Report of Analysis

Client Sample ID: P03SV-09
Lab Sample ID: JA27118-1 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A780 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22414.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25495.D	1	09/12/09	YMH	n/a	n/a	V2W1075

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.49	0.20	0.021	ppbv		1.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	1.6	0.20	0.034	ppbv		5.0	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.022	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	108 [a]	4.0	0.65	ppbv		437 [a]	16	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	1.8	0.20	0.044	ppbv		7.1	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.056	0.20	0.035	ppbv	J	0.22	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	0.077	0.040	0.037	ppbv		0.46	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.44	0.10	0.032	ppbv		2.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-09
Lab Sample ID: JA27118-1 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A780 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.45	0.20	0.019	ppbv		2.0	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.33	0.20	0.043	ppbv		1.6	0.98	ug/m3
76-13-1	187.4	Freon 113	13.1	0.040	0.022	ppbv		100	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.28	0.20	0.026	ppbv		1.1	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.12	0.20	0.025	ppbv	J	0.42	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.39	0.20	0.045	ppbv		1.6	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.29	0.20	0.018	ppbv		1.2	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	411 [a]	0.80	0.49	ppbv		2240 [a]	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.5	0.20	0.021	ppbv		7.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.56	0.20	0.026	ppbv		2.8	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	35.8	0.040	0.021	ppbv		243	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.1	0.20	0.018	ppbv		4.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	34.9	0.040	0.019	ppbv		188	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.9	0.040	0.021	ppbv		16	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.66	0.20	0.045	ppbv		2.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.46	0.20	0.023	ppbv		2.0	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.023	ppbv		4.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-09		
Lab Sample ID:	JA27118-1	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A780	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-10
Lab Sample ID: JA27118-2 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A898 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22415.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25496.D	1	09/12/09	YMH	n/a	n/a	V2W1075

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	85.3 [a]	1.0	0.20	ppbv		203 [a]	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	5.3	0.20	0.021	ppbv		17	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.24	0.20	0.034	ppbv		0.75	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	1.3	0.20	0.040	ppbv		3.4	0.53	ug/m3
67-66-3	119.4	Chloroform	0.28	0.20	0.028	ppbv		1.4	0.98	ug/m3
74-87-3	50.49	Chloromethane	1.1	0.20	0.047	ppbv		2.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.21	0.040	0.022	ppbv		1.3	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.053	0.20	0.036	ppbv	J	0.21	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	12.9	0.20	0.063	ppbv		46.5	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.89	0.20	0.024	ppbv		4.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.98	0.10	0.032	ppbv		5.9	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-10
Lab Sample ID: JA27118-2 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A898 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.7	0.50	0.077	ppbv		5.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	8.6	0.20	0.019	ppbv		37	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	3.4	0.040	0.022	ppbv		26	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	1.8	0.20	0.026	ppbv		7.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	1.5	0.20	0.019	ppbv		5.3	0.70	ug/m3
591-78-6	100	2-Hexanone	0.43	0.20	0.030	ppbv		1.8	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.7	0.20	0.035	ppbv		6.6	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.025	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	8.1	0.20	0.039	ppbv		24	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.2	0.20	0.045	ppbv		9.0	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	33.3	0.50	0.061	ppbv		57.2	0.86	ug/m3
100-42-5	104.1	Styrene	4.3	0.20	0.018	ppbv		18	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	9.8	0.040	0.025	ppbv		53	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	13.6	0.20	0.021	ppbv		66.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	5.2	0.20	0.026	ppbv		26	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.42	0.20	0.020	ppbv		2.0	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	3.1	0.20	0.023	ppbv		9.4	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	17.8	0.040	0.021	ppbv		121	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	85.8 [a]	1.0	0.089	ppbv		323 [a]	3.8	ug/m3
79-01-6	131.4	Trichloroethylene	5.1	0.040	0.019	ppbv		27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	5.4	0.040	0.021	ppbv		30	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	27.9	0.20	0.045	ppbv		121	0.87	ug/m3
95-47-6	106.2	o-Xylene	13.2	0.20	0.023	ppbv		57.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	41.1	0.20	0.023	ppbv		179	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	109%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-10		
Lab Sample ID:	JA27118-2	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A898	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-11
Lab Sample ID: JA27118-3 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A639 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22416.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25497.D	1	09/12/09	YMH	n/a	n/a	V2W1075

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	11.1	0.20	0.039	ppbv		26.4	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.38	0.20	0.021	ppbv		1.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	2.1	0.20	0.034	ppbv		6.5	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	13.2	0.20	0.028	ppbv		64.5	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.086	0.040	0.022	ppbv		0.54	0.25	ug/m3
110-82-7	84.16	Cyclohexane	1.1	0.20	0.061	ppbv		3.8	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	2.2	0.20	0.032	ppbv		8.9	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.33	0.20	0.044	ppbv		1.3	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.75	0.20	0.024	ppbv		3.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.10	0.20	0.035	ppbv	J	0.40	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.11	0.20	0.028	ppbv	J	0.44	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.38	0.10	0.032	ppbv		2.3	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-11
Lab Sample ID: JA27118-3 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A639 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.5	0.20	0.019	ppbv		6.5	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.075	0.20	0.043	ppbv	J	0.37	0.98	ug/m3
76-13-1	187.4	Freon 113	8.5	0.040	0.022	ppbv		65	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.75	0.20	0.026	ppbv		3.1	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	1.8	0.20	0.019	ppbv		6.3	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.7	0.20	0.039	ppbv		11	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	3.0	0.20	0.045	ppbv		12	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	2.7	0.50	0.061	ppbv		4.6	0.86	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.018	ppbv	J	0.47	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	192 [a]	0.80	0.49	ppbv		1050 [a]	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.32	0.040	0.021	ppbv		1.7	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.43	0.20	0.021	ppbv		2.1	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.14	0.20	0.026	ppbv	J	0.69	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.97	0.20	0.023	ppbv		2.9	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	17.4	0.040	0.021	ppbv		118	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	2.7	0.20	0.018	ppbv		10	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	694 [a]	0.80	0.37	ppbv		3730 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.7	0.040	0.021	ppbv		15	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	6.0	0.20	0.045	ppbv		26	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.0	0.20	0.023	ppbv		4.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	7.0	0.20	0.023	ppbv		30	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	92%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-11		
Lab Sample ID:	JA27118-3	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A639	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-12
Lab Sample ID: JA27118-4 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A300 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22417.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25540.D	1	09/14/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	88.6 [a]	0.80	0.16	ppbv		210 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.55	0.20	0.021	ppbv		1.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.33	0.20	0.034	ppbv		1.0	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	1.4	0.20	0.028	ppbv		6.8	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.31	0.040	0.022	ppbv		2.0	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	1.1	0.20	0.032	ppbv		4.5	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	1.9	0.20	0.044	ppbv		7.5	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	102 [a]	0.80	0.25	ppbv		368 [a]	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.072	0.20	0.035	ppbv	J	0.29	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.1	0.10	0.032	ppbv		6.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-12
Lab Sample ID: JA27118-4 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A300 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	7.0	0.50	0.077	ppbv		13	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	3.5	0.20	0.019	ppbv		15	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.4	0.20	0.051	ppbv		8.6	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.85	0.20	0.043	ppbv		4.2	0.98	ug/m3
76-13-1	187.4	Freon 113	6.7	0.040	0.022	ppbv		51	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.71	0.20	0.026	ppbv		2.9	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.37	0.20	0.019	ppbv		1.3	0.70	ug/m3
591-78-6	100	2-Hexanone	0.41	0.20	0.030	ppbv		1.7	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.7	0.20	0.035	ppbv		6.6	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.17	0.20	0.025	ppbv	J	0.59	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.5	0.20	0.039	ppbv		10	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.1	0.20	0.045	ppbv		8.6	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	1.4	0.50	0.061	ppbv		2.4	0.86	ug/m3
100-42-5	104.1	Styrene	1.4	0.20	0.018	ppbv		6.0	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	49.7 [a]	0.16	0.098	ppbv		271 [a]	0.87	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	6.5	0.20	0.021	ppbv		32	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.6	0.20	0.026	ppbv		7.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	17.4	0.20	0.023	ppbv		52.7	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	43.0 [a]	0.16	0.083	ppbv		292 [a]	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	3.7	0.20	0.018	ppbv		14	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	75.0 [a]	0.16	0.074	ppbv		403 [a]	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.0	0.040	0.021	ppbv		5.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	12.5	0.20	0.045	ppbv		54.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	3.2	0.20	0.023	ppbv		14	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	15.7	0.20	0.023	ppbv		68.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	96%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-12		
Lab Sample ID:	JA27118-4	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A300	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-13
Lab Sample ID: JA27118-5 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A237,A407 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22418.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25541.D	80	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	10.9	0.20	0.039	ppbv		25.9	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.1	0.20	0.021	ppbv		3.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.17	0.20	0.034	ppbv	J	0.53	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	8.5	0.20	0.028	ppbv		42	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.32	0.040	0.022	ppbv		2.0	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.42	0.20	0.032	ppbv		1.7	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.67	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.51	0.20	0.035	ppbv		2.0	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2.6	0.20	0.028	ppbv		10	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.47	0.10	0.032	ppbv		2.8	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-13
Lab Sample ID: JA27118-5 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A237,A407 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.085	0.20	0.019	ppbv	J	0.37	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	5.3	0.040	0.022	ppbv		41	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.025	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.86	0.50	0.061	ppbv		1.5	0.86	ug/m3
100-42-5	104.1	Styrene	0.078	0.20	0.018	ppbv	J	0.33	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	12.4	0.040	0.025	ppbv		67.7	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	1.2	0.040	0.021	ppbv		6.5	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.021	ppbv	J	0.74	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	781 [a]	13	6.7	ppbv		5300 [a]	88	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.49	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	6950 [a]	13	5.9	ppbv		37400 [a]	70	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.040	0.021	ppbv		6.2	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.27	0.20	0.045	ppbv		1.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.023	ppbv	J	0.56	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.40	0.20	0.023	ppbv		1.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%	81%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-13		
Lab Sample ID:	JA27118-5	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A237,A407	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-21
Lab Sample ID: JA27118-7 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A378 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22421.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25542.D	1	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.9	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.021	ppbv	J	0.48	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	19.8	0.20	0.028	ppbv		96.7	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.040	0.022	ppbv		0.82	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.37	0.20	0.032	ppbv		1.5	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.31	0.20	0.044	ppbv		1.2	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.14	0.20	0.036	ppbv	J	0.57	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.81	0.20	0.024	ppbv		4.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.081	0.20	0.035	ppbv	J	0.32	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.084	0.20	0.028	ppbv	J	0.33	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.50	0.10	0.032	ppbv		3.0	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-21
Lab Sample ID: JA27118-7 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A378 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.86	0.20	0.019	ppbv		3.7	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.4	0.20	0.051	ppbv		5.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.066	0.20	0.043	ppbv	J	0.32	0.98	ug/m3
76-13-1	187.4	Freon 113	4.6	0.040	0.022	ppbv		35	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.026	ppbv	J	0.53	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.025	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.23	0.20	0.039	ppbv		0.68	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.088	0.20	0.045	ppbv	J	0.36	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	2.4	0.50	0.061	ppbv		4.1	0.86	ug/m3
100-42-5	104.1	Styrene	0.082	0.20	0.018	ppbv	J	0.35	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	22.8	0.040	0.025	ppbv		124	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.32	0.040	0.021	ppbv		1.7	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.44	0.20	0.021	ppbv		2.2	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.097	0.20	0.026	ppbv	J	0.48	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	87.1 [a]	0.80	0.42	ppbv		591 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.8	0.20	0.018	ppbv		6.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	537 [a]	0.80	0.37	ppbv		2890 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.8	0.040	0.021	ppbv		27	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.2	0.20	0.045	ppbv		9.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.37	0.20	0.023	ppbv		1.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.6	0.20	0.023	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	81%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-21		
Lab Sample ID:	JA27118-7	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A378	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-22
Lab Sample ID: JA27118-8 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A656 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22422.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25543.D	1	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.6	0.20	0.039	ppbv		16	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.41	0.20	0.021	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	45.1 [a]	4.0	0.56	ppbv		220 [a]	20	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.30	0.040	0.022	ppbv		1.9	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.90	0.20	0.032	ppbv		3.6	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.29	0.20	0.044	ppbv		1.1	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.3	0.20	0.024	ppbv		6.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.085	0.20	0.035	ppbv	J	0.34	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.2	0.10	0.032	ppbv		7.2	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-22
Lab Sample ID: JA27118-8 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A656 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.51	0.20	0.019	ppbv		2.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.15	0.20	0.043	ppbv	J	0.74	0.98	ug/m3
76-13-1	187.4	Freon 113	14.6	0.040	0.022	ppbv		112	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.14	0.20	0.026	ppbv	J	0.57	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.22	0.20	0.030	ppbv		0.90	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.17	0.20	0.025	ppbv	J	0.59	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.41	0.20	0.039	ppbv		1.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.21	0.20	0.045	ppbv		0.86	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	1.3	0.20	0.018	ppbv		5.5	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	27.9	0.040	0.025	ppbv		152	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	1.2	0.040	0.021	ppbv		6.5	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.87	0.20	0.021	ppbv		4.3	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.20	0.20	0.026	ppbv		0.98	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	403 [a]	0.80	0.42	ppbv		2730 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.4	0.20	0.018	ppbv		5.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	311 [a]	0.80	0.37	ppbv		1670 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	11.7	0.040	0.021	ppbv		65.7	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.0	0.20	0.045	ppbv		8.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.59	0.20	0.023	ppbv		2.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.6	0.20	0.023	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%	83%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-22		
Lab Sample ID:	JA27118-8	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A656	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-23
Lab Sample ID: JA27118-9 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A473,A807 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22423.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25544.D	29	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.039	ppbv		6.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.29	0.20	0.021	ppbv		0.93	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	4.9	0.20	0.028	ppbv		24	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.27	0.040	0.022	ppbv		1.7	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.16	0.20	0.032	ppbv	J	0.65	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.065	0.20	0.044	ppbv	J	0.26	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.92	0.20	0.024	ppbv		4.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.084	0.20	0.035	ppbv	J	0.33	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.064	0.20	0.028	ppbv	J	0.25	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.27	0.10	0.032	ppbv		1.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-23
Lab Sample ID: JA27118-9 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A473,A807 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.8	0.50	0.077	ppbv		5.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.068	0.20	0.019	ppbv	J	0.30	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.051	ppbv		5.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	3.9	0.040	0.022	ppbv		30	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.48	0.20	0.039	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.17	0.20	0.018	ppbv	J	0.72	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	18.1	0.040	0.025	ppbv		98.8	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.049	0.040	0.021	ppbv		0.27	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1500 [a]	2.3	1.2	ppbv		10200 [a]	16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.16	0.20	0.018	ppbv	J	0.60	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	269 [a]	2.3	1.1	ppbv		1450 [a]	12	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.2	0.040	0.021	ppbv		18	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.045	ppbv		1.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.16	0.20	0.023	ppbv	J	0.69	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.39	0.20	0.023	ppbv		1.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	81%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-23		
Lab Sample ID:	JA27118-9	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A473,A807	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-24
Lab Sample ID: JA27118-10 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A091,A402 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22424.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25545.D	31	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.7	0.20	0.039	ppbv		30.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.29	0.20	0.021	ppbv		0.93	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	7.2	0.20	0.028	ppbv		35	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.31	0.040	0.022	ppbv		2.0	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23	0.20	0.032	ppbv		0.93	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.0	0.20	0.024	ppbv		4.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.080	0.20	0.035	ppbv	J	0.32	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.11	0.20	0.028	ppbv	J	0.44	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.51	0.10	0.032	ppbv		3.1	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-24
Lab Sample ID: JA27118-10 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A091,A402 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.16	0.20	0.019	ppbv	J	0.69	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	6.3	0.040	0.022	ppbv		48	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.29	0.20	0.030	ppbv		1.2	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.11	0.20	0.025	ppbv	J	0.38	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.90	0.20	0.039	ppbv		2.7	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.087	0.20	0.045	ppbv	J	0.36	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.85	0.20	0.018	ppbv		3.6	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	6.4	0.040	0.025	ppbv		35	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.13	0.040	0.021	ppbv		0.71	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.28	0.20	0.021	ppbv		1.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.061	0.20	0.026	ppbv	J	0.30	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1520 [a]	2.5	1.3	ppbv		10300 [a]	17	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.43	0.20	0.018	ppbv		1.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	636 [a]	2.5	1.1	ppbv		3420 [a]	13	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.4	0.040	0.021	ppbv		13	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.63	0.20	0.045	ppbv		2.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.22	0.20	0.023	ppbv		0.96	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.85	0.20	0.023	ppbv		3.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	81%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-24		
Lab Sample ID:	JA27118-10	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A091,A402	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-30
Lab Sample ID: JA27118-11 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A347 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22425.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25546.D	1	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	8.1	0.20	0.039	ppbv		19	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.33	0.20	0.021	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.37	0.20	0.034	ppbv		1.2	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	101 [a]	2.0	0.28	ppbv		493 [a]	9.8	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.040	0.022	ppbv		0.82	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.68	0.20	0.032	ppbv		2.8	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.14	0.20	0.044	ppbv	J	0.56	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.86	0.20	0.024	ppbv		4.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.060	0.20	0.035	ppbv	J	0.24	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.047	0.20	0.028	ppbv	J	0.19	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.99	0.10	0.032	ppbv		6.0	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-30
Lab Sample ID: JA27118-11 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A347 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.019	ppbv		1.0	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.75	0.20	0.051	ppbv		2.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.043	ppbv	J	0.54	0.98	ug/m3
76-13-1	187.4	Freon 113	21.6	0.040	0.022	ppbv		166	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.026	ppbv	J	0.41	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.63	0.20	0.025	ppbv		2.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.55	0.20	0.039	ppbv		1.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29	0.20	0.045	ppbv		1.2	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.018	ppbv	J	0.60	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	8.7	0.040	0.025	ppbv		47	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.56	0.040	0.021	ppbv		3.1	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.78	0.20	0.021	ppbv		3.8	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.19	0.20	0.026	ppbv	J	0.93	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	60.9 [a]	0.40	0.21	ppbv		413 [a]	2.7	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.94	0.20	0.018	ppbv		3.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	205 [a]	0.40	0.19	ppbv		1100 [a]	2.1	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.4	0.040	0.021	ppbv		19	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.88	0.20	0.045	ppbv		3.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.38	0.20	0.023	ppbv		1.7	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.023	ppbv		5.6	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	85%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-30		
Lab Sample ID:	JA27118-11	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A347	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-31
Lab Sample ID: JA27118-12 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A480 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22426.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25547.D	1	09/15/09	YMH	n/a	n/a	V2W1077
Run #3	2W25565.D	1	09/15/09	YMH	n/a	n/a	V2W1078

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml
Run #3	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.5	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.54	0.20	0.021	ppbv		1.7	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	45.8 [a]	2.0	0.28	ppbv		224 [a]	9.8	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.040	0.022	ppbv		0.88	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.40	0.20	0.032	ppbv		1.6	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.14	0.20	0.044	ppbv	J	0.56	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.98	0.20	0.024	ppbv		4.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.053	0.20	0.035	ppbv	J	0.21	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.058	0.20	0.028	ppbv	J	0.23	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-31
Lab Sample ID: JA27118-12 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A480 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
106-46-7	147	p-Dichlorobenzene	0.25	0.10	0.032	ppbv		1.5	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.019	ppbv	J	0.61	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.89	0.20	0.051	ppbv		3.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	18.1	0.040	0.022	ppbv		139	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.026	ppbv	J	0.45	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.46	0.20	0.039	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.86	0.20	0.018	ppbv		3.7	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	9.7	0.040	0.025	ppbv		53	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.81	0.040	0.021	ppbv		4.4	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.28	0.20	0.021	ppbv		1.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.084	0.20	0.026	ppbv	J	0.41	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	199 [a]	0.40	0.21	ppbv		1350 [a]	2.7	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.2	0.20	0.018	ppbv		4.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	520 [b]	0.80	0.37	ppbv		2790 [b]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	6.9	0.040	0.021	ppbv		39	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.76	0.20	0.045	ppbv		3.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.29	0.20	0.023	ppbv		1.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.023	ppbv		4.8	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-31
Lab Sample ID: JA27118-12 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A480 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	96%	84%	77%	65-128%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-32
Lab Sample ID: JA27118-13 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A017 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22427.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	2W25548.D	1	09/15/09	YMH	n/a	n/a	V2W1077

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.4	0.20	0.039	ppbv		18	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.27	0.20	0.021	ppbv		0.86	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	23.6	0.20	0.028	ppbv		115	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.19	0.040	0.022	ppbv		1.2	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.31	0.20	0.032	ppbv		1.3	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.33	0.20	0.044	ppbv		1.3	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.8	0.20	0.024	ppbv		8.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.068	0.20	0.035	ppbv	J	0.27	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.10	0.20	0.028	ppbv	J	0.40	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.34	0.10	0.032	ppbv		2.0	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-32
Lab Sample ID: JA27118-13 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A017 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.042	0.20	0.019	ppbv	J	0.18	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.8	0.20	0.051	ppbv		10	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	4.2	0.040	0.022	ppbv		32	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.14	0.20	0.030	ppbv	J	0.57	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.025	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.95	0.20	0.039	ppbv		2.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.13	0.20	0.045	ppbv	J	0.53	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.070	0.20	0.018	ppbv	J	0.30	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	6.2	0.040	0.025	ppbv		34	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.27	0.040	0.021	ppbv		1.5	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.021	ppbv	J	0.54	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	399 [a]	0.80	0.42	ppbv		2710 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.18	0.20	0.018	ppbv	J	0.68	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	530 [a]	0.80	0.37	ppbv		2850 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	5.0	0.040	0.021	ppbv		28	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.15	0.20	0.045	ppbv	J	0.65	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.050	0.20	0.023	ppbv	J	0.22	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.20	0.20	0.023	ppbv		0.87	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	83%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-32		
Lab Sample ID:	JA27118-13	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A017	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-34
Lab Sample ID: JA27118-15 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A269,A702 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22428.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	3W12532.D	71.5	09/14/09	YMH	n/a	n/a	V3W512
Run #3	3W12549.D	71.5	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	100 ml
Run #3	40.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.2	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.96	0.20	0.021	ppbv		3.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	33.0	0.20	0.028	ppbv		161	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.2	0.040	0.022	ppbv		7.5	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	9.8	0.20	0.032	ppbv		40	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	13.1	0.20	0.044	ppbv		51.9	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	1.1	0.20	0.036	ppbv		4.5	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.86	0.20	0.024	ppbv		4.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.7	0.20	0.035	ppbv		6.7	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	35.3	0.20	0.028	ppbv		140	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-34
Lab Sample ID: JA27118-15 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A269,A702 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
106-46-7	147	p-Dichlorobenzene	1.7	0.10	0.032	ppbv		10	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.48	0.20	0.019	ppbv		2.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.10	0.20	0.043	ppbv	J	0.49	0.98	ug/m3
76-13-1	187.4	Freon 113	36.8	0.040	0.022	ppbv		282	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.13	0.20	0.025	ppbv	J	0.45	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.71	0.20	0.039	ppbv		2.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.36	0.20	0.045	ppbv		1.5	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.19	0.20	0.018	ppbv	J	0.81	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	99.8 [a]	11	7.0	ppbv		545 [a]	60	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	2.1	0.040	0.021	ppbv		11	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.54	0.20	0.021	ppbv		2.7	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.12	0.20	0.026	ppbv	J	0.59	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	9430 [b]	29	15	ppbv		63900 [b]	200	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.98	0.20	0.018	ppbv		3.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	3180 [a]	11	5.3	ppbv		17100 [a]	59	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.9	0.040	0.021	ppbv		28	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	1.4	0.20	0.045	ppbv		6.1	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.41	0.20	0.023	ppbv		1.8	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.8	0.20	0.023	ppbv		7.8	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-34		
Lab Sample ID:	JA27118-15	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A269,A702	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	98%	92%	85%	65-128%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-35
Lab Sample ID: JA27118-16 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A897,A528 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22429.D	1	09/10/09	YMH	n/a	n/a	VW940
Run #2	3W12533.D	74	09/14/09	YMH	n/a	n/a	V3W512
Run #3	3W12550.D	74	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	100 ml
Run #3	40.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	119 [a]	59	12	ppbv		283 [a]	140	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.62	0.20	0.021	ppbv		2.0	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.26	0.20	0.034	ppbv		0.81	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	20.9	0.20	0.028	ppbv		102	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.30	0.040	0.022	ppbv		1.9	0.25	ug/m3
110-82-7	84.16	Cyclohexane	1.5	0.20	0.061	ppbv		5.2	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	24.2	0.20	0.032	ppbv		97.9	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	1.0	0.20	0.044	ppbv		4.0	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	1.3	0.20	0.036	ppbv		5.3	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.60	0.20	0.024	ppbv		3.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	4.4	0.20	0.035	ppbv		17	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	14.0	0.20	0.028	ppbv		55.5	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-35
Lab Sample ID: JA27118-16 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A897,A528 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
106-46-7	147	p-Dichlorobenzene	0.60	0.10	0.032	ppbv		3.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	2.6	0.20	0.019	ppbv		11	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.043	ppbv	J	0.54	0.98	ug/m3
76-13-1	187.4	Freon 113	13.4	0.040	0.022	ppbv		103	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.20	0.039	ppbv		3.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.093	0.20	0.018	ppbv	J	0.40	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	90.9 [a]	12	7.3	ppbv		496 [a]	65	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.42	0.040	0.021	ppbv		2.3	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.41	0.20	0.021	ppbv		2.0	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.099	0.20	0.026	ppbv	J	0.49	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	9660 [b]	30	15	ppbv		65500 [b]	200	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	2.3	0.20	0.018	ppbv		8.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	1940 [a]	12	5.5	ppbv		10400 [a]	64	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.92	0.040	0.021	ppbv		5.2	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	5.9	0.20	0.045	ppbv		26	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.7	0.20	0.023	ppbv		7.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	7.6	0.20	0.023	ppbv		33	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-35		
Lab Sample ID:	JA27118-16	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A897,A528	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	85%	90%	85%	65-128%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-42
Lab Sample ID: JA27118-17 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A831 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22430.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12534.D	1	09/14/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.5	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.21	0.20	0.021	ppbv		0.67	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	3.8	0.20	0.028	ppbv		19	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.040	0.022	ppbv		0.69	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.17	0.20	0.032	ppbv	J	0.69	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.054	0.20	0.044	ppbv	J	0.21	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.71	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.62	0.10	0.032	ppbv		3.7	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-42
Lab Sample ID: JA27118-17 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A831 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	173 [a]	2.0	0.31	ppbv	E	326 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.28	0.20	0.019	ppbv		1.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.051	ppbv		5.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.056	0.20	0.043	ppbv	J	0.28	0.98	ug/m3
76-13-1	187.4	Freon 113	12.3	0.040	0.022	ppbv		94.3	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.094	0.20	0.026	ppbv	J	0.39	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.14	0.20	0.025	ppbv	J	0.49	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.15	0.20	0.045	ppbv	J	0.61	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.18	0.20	0.018	ppbv	J	0.77	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	7.3	0.040	0.025	ppbv		40	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.048	0.040	0.021	ppbv		0.26	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.33	0.20	0.021	ppbv		1.6	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.078	0.20	0.026	ppbv	J	0.38	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.1	0.20	0.023	ppbv		3.3	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	37.0 [a]	0.16	0.083	ppbv		251 [a]	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.74	0.20	0.018	ppbv		2.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	15.7	0.040	0.019	ppbv		84.4	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.6	0.040	0.021	ppbv		20	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.96	0.20	0.045	ppbv		4.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.27	0.20	0.023	ppbv		1.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.023	ppbv		5.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	90%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-42		
Lab Sample ID:	JA27118-17	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A831	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-43
Lab Sample ID: JA27118-18 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A206 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22431.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12535.D	1	09/14/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.0	0.20	0.039	ppbv		9.5	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	7.4	0.20	0.028	ppbv		36	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.040	0.022	ppbv		0.69	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.097	0.20	0.032	ppbv	J	0.39	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.085	0.20	0.044	ppbv	J	0.34	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.29	0.10	0.032	ppbv		1.7	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-43
Lab Sample ID: JA27118-18 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A206 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	2.2	0.20	0.019	ppbv		9.6	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.051	ppbv		4.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.096	0.20	0.043	ppbv	J	0.47	0.98	ug/m3
76-13-1	187.4	Freon 113	1.4	0.040	0.022	ppbv		11	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.089	0.20	0.026	ppbv	J	0.36	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.18	0.20	0.025	ppbv	J	0.63	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.25	0.20	0.039	ppbv		0.74	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.076	0.20	0.045	ppbv	J	0.31	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.045	0.20	0.018	ppbv	J	0.19	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	7.0	0.040	0.025	ppbv		38	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.046	0.040	0.021	ppbv		0.25	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.63	0.20	0.021	ppbv		3.1	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.22	0.20	0.026	ppbv		1.1	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	95.1 [a]	0.20	0.10	ppbv		645 [a]	1.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.4	0.20	0.018	ppbv		5.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	52.5 [a]	0.20	0.093	ppbv		282 [a]	1.1	ug/m3
75-69-4	137.4	Trichlorofluoromethane	6.2	0.040	0.021	ppbv		35	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	8.5	0.20	0.045	ppbv		37	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.9	0.20	0.023	ppbv		8.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	10.4	0.20	0.023	ppbv		45.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-43		
Lab Sample ID:	JA27118-18	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A206	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-44
Lab Sample ID: JA27118-19 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A710 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22432.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12536.D	1	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.5	0.20	0.039	ppbv		8.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.21	0.20	0.021	ppbv		0.67	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	1.2	0.20	0.028	ppbv		5.9	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.040	0.022	ppbv		0.75	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.041	0.20	0.032	ppbv	J	0.17	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.62	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.41	0.10	0.032	ppbv		2.5	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-44
Lab Sample ID: JA27118-19 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A710 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.062	0.20	0.019	ppbv	J	0.27	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.051	ppbv		4.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	1.3	0.040	0.022	ppbv		10	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.073	0.20	0.026	ppbv	J	0.30	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.12	0.20	0.030	ppbv	J	0.49	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.14	0.20	0.025	ppbv	J	0.49	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.38	0.20	0.039	ppbv		1.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	1.1	0.50	0.061	ppbv		1.9	0.86	ug/m3
100-42-5	104.1	Styrene	0.066	0.20	0.018	ppbv	J	0.28	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	6.6	0.040	0.025	ppbv		36	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.23	0.20	0.021	ppbv		1.1	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.069	0.20	0.026	ppbv	J	0.34	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	158 [a]	0.80	0.42	ppbv		1070 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.66	0.20	0.018	ppbv		2.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	61.9 [a]	0.80	0.37	ppbv		333 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	7.8	0.040	0.021	ppbv		44	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.25	0.20	0.045	ppbv		1.1	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.10	0.20	0.023	ppbv	J	0.43	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.35	0.20	0.023	ppbv		1.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	90%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-44		
Lab Sample ID:	JA27118-19	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A710	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-45
Lab Sample ID: JA27118-20 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A487,A503 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22433.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12537.D	29	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.039	ppbv		6.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.23	0.20	0.021	ppbv		0.73	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.22	0.20	0.028	ppbv		1.1	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.095	0.040	0.022	ppbv		0.60	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.61	0.20	0.024	ppbv		3.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.3	0.10	0.032	ppbv		7.8	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-45
Lab Sample ID: JA27118-20 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A487,A503 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.066	0.20	0.019	ppbv	J	0.29	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.6	0.20	0.051	ppbv		9.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	1.6	0.040	0.022	ppbv		12	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.073	0.20	0.026	ppbv	J	0.30	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.025	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.27	0.20	0.039	ppbv		0.80	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.25	0.20	0.018	ppbv		1.1	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	10.3	0.040	0.025	ppbv		56.2	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	725 [a]	2.3	1.2	ppbv		4920 [a]	16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	23.4	0.040	0.019	ppbv		126	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	12.9	0.040	0.021	ppbv		72.5	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.30	0.20	0.045	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.21	0.20	0.023	ppbv		0.91	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.51	0.20	0.023	ppbv		2.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	88%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-45		
Lab Sample ID:	JA27118-20	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A487,A503	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-46
Lab Sample ID: JA27118-21 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A709,A676 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22434.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12538.D	28.6	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	11.0	0.20	0.039	ppbv		26.1	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.66	0.20	0.028	ppbv		3.2	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.040	0.022	ppbv		0.69	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	7.8	0.20	0.032	ppbv		32	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.59	0.20	0.044	ppbv		2.3	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.61	0.20	0.024	ppbv		3.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.51	0.20	0.035	ppbv		2.0	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.9	0.20	0.028	ppbv		7.5	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.39	0.10	0.032	ppbv		2.3	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P03SV-46
Lab Sample ID: JA27118-21 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A709,A676 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.3	0.50	0.077	ppbv		4.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.95	0.20	0.019	ppbv		4.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.051	ppbv		8.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	1.4	0.040	0.022	ppbv		11	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.019	ppbv	J	0.63	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.025	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.82	0.20	0.039	ppbv		2.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.055	0.20	0.018	ppbv	J	0.23	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	17.3	0.040	0.025	ppbv		94.4	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.18	0.20	0.021	ppbv	J	0.88	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.052	0.20	0.026	ppbv	J	0.26	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1580 [a]	2.3	1.2	ppbv		10700 [a]	16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.85	0.20	0.018	ppbv		3.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	84.5 [a]	2.3	1.1	ppbv		454 [a]	12	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.3	0.040	0.021	ppbv		7.3	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	3.2	0.20	0.045	ppbv		14	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.55	0.20	0.023	ppbv		2.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	3.7	0.20	0.023	ppbv		16	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P03SV-46		
Lab Sample ID:	JA27118-21	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A709,A676	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P10SV-01
Lab Sample ID: JA27118-22 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A270 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22435.D	1	09/11/09	YMH	n/a	n/a	VW940
Run #2	3W12539.D	1	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	370 [a]	4.0	0.78	ppbv		879 [a]	9.5	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.87	0.20	0.021	ppbv		2.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	2.9	0.20	0.028	ppbv		14	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.21	0.040	0.022	ppbv		1.3	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.78	0.20	0.032	ppbv		3.2	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.20	0.024	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.76	0.20	0.035	ppbv		3.0	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	3.3	0.20	0.028	ppbv		13	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	6.1	0.10	0.032	ppbv		37	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P10SV-01
Lab Sample ID: JA27118-22 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A270 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	15.3	0.50	0.077	ppbv		28.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	27.9 [a]	4.0	0.39	ppbv		121 [a]	17	ug/m3
141-78-6	88	Ethyl Acetate	0.50	0.20	0.051	ppbv		1.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.82	0.20	0.043	ppbv		4.0	0.98	ug/m3
76-13-1	187.4	Freon 113	57.3 [a]	0.80	0.44	ppbv		439 [a]	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.32	0.20	0.026	ppbv		1.3	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	1.2	0.20	0.030	ppbv		4.9	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	179 [a]	4.0	0.69	ppbv		440 [a]	9.8	ug/m3
75-09-2	84.94	Methylene chloride	0.17	0.20	0.025	ppbv	J	0.59	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	14.0	0.20	0.039	ppbv		41.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	3.8	0.20	0.045	ppbv		16	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.74	0.50	0.061	ppbv		1.3	0.86	ug/m3
100-42-5	104.1	Styrene	0.75	0.20	0.018	ppbv		3.2	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	4.3	0.040	0.025	ppbv		23	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.9	0.20	0.021	ppbv		19	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.1	0.20	0.026	ppbv		5.4	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.0	0.20	0.023	ppbv		3.0	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	15.7	0.040	0.021	ppbv		106	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	32.1	0.20	0.018	ppbv		121	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	233 [a]	0.80	0.37	ppbv		1250 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	0.040	0.021	ppbv		1.9	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	106 [a]	4.0	0.90	ppbv		460 [a]	17	ug/m3
95-47-6	106.2	o-Xylene	33.2 [a]	4.0	0.47	ppbv		144 [a]	17	ug/m3
1330-20-7	106.2	Xylenes (total)	139 [a]	4.0	0.47	ppbv		604 [a]	17	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	136% [b]	97%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P10SV-01		
Lab Sample ID:	JA27118-22	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A270	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P10SV-02
Lab Sample ID: JA27118-23 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A088 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22446.D	1	09/11/09	YMH	n/a	n/a	VW941
Run #2	3W12540.D	1	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	386 [a]	4.0	0.78	ppbv		917 [a]	9.5	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.4	0.20	0.021	ppbv		4.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	34.2	0.20	0.028	ppbv		167	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.79	0.040	0.022	ppbv		5.0	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	3.7	0.20	0.032	ppbv		15	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.024	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.42	0.20	0.035	ppbv		1.7	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.3	0.10	0.032	ppbv		7.8	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P10SV-02
Lab Sample ID: JA27118-23 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A088 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	122 [a]	10	1.5	ppbv		230 [a]	19	ug/m3
100-41-4	106.2	Ethylbenzene	27.1	0.20	0.019	ppbv		118	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	2.0	0.20	0.043	ppbv		9.8	0.98	ug/m3
76-13-1	187.4	Freon 113	224 [a]	0.80	0.44	ppbv		1720 [a]	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.38	0.20	0.026	ppbv		1.6	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.33	0.20	0.019	ppbv		1.2	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	31.6	0.20	0.035	ppbv		77.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.025	ppbv		0.80	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	34.2	0.20	0.039	ppbv		101	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	30.5	0.20	0.045	ppbv		125	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	3.5	0.50	0.061	ppbv		6.0	0.86	ug/m3
100-42-5	104.1	Styrene	0.44	0.20	0.018	ppbv		1.9	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	23.8	0.040	0.025	ppbv		130	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	10.9	0.20	0.021	ppbv		53.6	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	7.1	0.20	0.026	ppbv		35	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.6	0.20	0.023	ppbv		14	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	61.9 [a]	0.80	0.42	ppbv		420 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	8.8	0.20	0.018	ppbv		33	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	214 [a]	0.80	0.37	ppbv		1150 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.58	0.040	0.021	ppbv		3.3	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	95.9 [a]	4.0	0.90	ppbv		417 [a]	17	ug/m3
95-47-6	106.2	o-Xylene	43.9 [a]	4.0	0.47	ppbv		191 [a]	17	ug/m3
1330-20-7	106.2	Xylenes (total)	140 [a]	4.0	0.47	ppbv		608 [a]	17	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	214% [b]	92%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P10SV-02		
Lab Sample ID:	JA27118-23	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A088	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-01
Lab Sample ID: JA27118-24 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A652 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22448.D	1	09/11/09	YMH	n/a	n/a	VW941
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.039	ppbv		6.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.10	0.20	0.028	ppbv	J	0.49	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.040	0.022	ppbv		0.75	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.23	0.10	0.032	ppbv		1.4	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-01
Lab Sample ID: JA27118-24 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A652 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.1	0.50	0.077	ppbv		2.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.33	0.20	0.019	ppbv		1.4	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.53	0.20	0.051	ppbv		1.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.25	0.040	0.022	ppbv		1.9	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.3	0.20	0.035	ppbv		8.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.20	0.025	ppbv		4.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.35	0.20	0.039	ppbv		1.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.47	0.50	0.061	ppbv	J	0.81	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.16	0.040	0.025	ppbv		0.87	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.13	0.20	0.021	ppbv	J	0.64	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	19.5	0.040	0.021	ppbv		132	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.64	0.20	0.018	ppbv		2.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	3.5	0.040	0.019	ppbv		19	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.6	0.040	0.021	ppbv		15	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.045	ppbv		4.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.39	0.20	0.023	ppbv		1.7	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.4	0.20	0.023	ppbv		6.1	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-03
Lab Sample ID: JA27118-26 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A227 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22515.D	1	09/15/09	YMH	n/a	n/a	VW944
Run #2	3W12541.D	1	09/15/09	YMH	n/a	n/a	V3W512

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	31.2	0.20	0.039	ppbv		74.1	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.44	0.20	0.021	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.44	0.20	0.034	ppbv		1.4	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.040	0.022	ppbv		0.69	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.71	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	0.11	0.10	0.032	ppbv		0.66	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.9	0.10	0.032	ppbv		11	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-03
Lab Sample ID: JA27118-26 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A227 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	7.3	0.20	0.019	ppbv		32	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.12	0.20	0.043	ppbv	J	0.59	0.98	ug/m3
76-13-1	187.4	Freon 113	4.9	0.040	0.022	ppbv		38	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.026	ppbv	J	0.53	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	0.12	0.20	0.030	ppbv	J	0.49	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.12	0.20	0.025	ppbv	J	0.42	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.7	0.20	0.039	ppbv		8.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.27	0.20	0.045	ppbv		1.1	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	2.1	0.50	0.061	ppbv		3.6	0.86	ug/m3
100-42-5	104.1	Styrene	0.34	0.20	0.018	ppbv		1.4	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.2	0.040	0.025	ppbv		6.5	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.55	0.20	0.021	ppbv		2.7	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.15	0.20	0.026	ppbv	J	0.74	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	30.6 [a]	0.16	0.083	ppbv		208 [a]	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	4.8	0.20	0.018	ppbv		18	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.96	0.040	0.021	ppbv		5.4	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	22.9	0.20	0.045	ppbv		99.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	5.9	0.20	0.023	ppbv		26	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	28.9	0.20	0.023	ppbv		126	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-03		
Lab Sample ID:	JA27118-26	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A227	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-04
Lab Sample ID: JA27118-27 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A093 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22450.D	1	09/11/09	YMH	n/a	n/a	VW941
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	14.2	0.20	0.039	ppbv		33.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.25	0.20	0.021	ppbv		0.80	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.58	0.20	0.034	ppbv		1.8	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.022	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.024	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32	0.10	0.032	ppbv		1.9	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-04
Lab Sample ID: JA27118-27 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A093 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.3	0.50	0.077	ppbv		4.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	14.3	0.20	0.019	ppbv		62.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	3.3	0.20	0.051	ppbv		12	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.85	0.040	0.022	ppbv		6.5	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.096	0.20	0.026	ppbv	J	0.39	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.14	0.20	0.019	ppbv	J	0.49	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.5	0.20	0.035	ppbv		16	0.49	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.20	0.025	ppbv		4.5	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.20	0.039	ppbv		3.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.097	0.20	0.045	ppbv	J	0.40	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.97	0.50	0.061	ppbv		1.7	0.86	ug/m3
100-42-5	104.1	Styrene	0.10	0.20	0.018	ppbv	J	0.43	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.3	0.040	0.025	ppbv		7.1	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.32	0.20	0.021	ppbv		1.6	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.089	0.20	0.020	ppbv	J	0.42	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	5.9	0.040	0.021	ppbv		40	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	3.6	0.20	0.018	ppbv		14	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.040	0.040	0.019	ppbv		0.21	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	8.5	0.040	0.021	ppbv		48	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	48.6	0.20	0.045	ppbv		211	0.87	ug/m3
95-47-6	106.2	o-Xylene	15.6	0.20	0.023	ppbv		67.8	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	64.2	0.20	0.023	ppbv		279	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		65-128%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-05
Lab Sample ID: JA27118-28 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A484 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22451.D	1	09/11/09	YMH	n/a	n/a	VW941
Run #2	3W12551.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.4	0.20	0.039	ppbv		5.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.61	0.20	0.021	ppbv		1.9	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.24	0.20	0.034	ppbv		0.75	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.74	0.20	0.028	ppbv		3.6	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.2	0.040	0.022	ppbv		7.5	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.38	0.20	0.032	ppbv		1.5	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	0.024	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.11	0.10	0.032	ppbv		0.66	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-05
Lab Sample ID: JA27118-28 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A484 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.1	0.50	0.077	ppbv		2.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.072	0.20	0.019	ppbv	J	0.31	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.051	ppbv		6.1	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.043	ppbv	J	0.54	0.98	ug/m3
76-13-1	187.4	Freon 113	1.2	0.040	0.022	ppbv		9.2	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.019	ppbv	J	0.56	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.2	0.20	0.035	ppbv		2.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.30	0.20	0.025	ppbv		1.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.039	ppbv		0.71	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.39	0.50	0.061	ppbv	J	0.67	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	22.9	0.040	0.025	ppbv		125	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.1	0.20	0.021	ppbv		10	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.7	0.20	0.026	ppbv		8.4	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	60.6 [a]	0.16	0.083	ppbv		411 [a]	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.49	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	38.7	0.040	0.019	ppbv		208	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	9.8	0.040	0.021	ppbv		55	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.38	0.20	0.045	ppbv		1.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.50	0.20	0.023	ppbv		2.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.88	0.20	0.023	ppbv		3.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	87%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-05		
Lab Sample ID:	JA27118-28	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A484	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-06
Lab Sample ID: JA27118-29 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A646 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22452.D	1	09/11/09	YMH	n/a	n/a	VW941
Run #2	3W12552.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.0	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.021	ppbv		0.70	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.11	0.20	0.034	ppbv	J	0.34	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.39	0.20	0.028	ppbv		1.9	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.040	0.022	ppbv		0.88	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.22	0.20	0.032	ppbv		0.89	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	0.20	0.024	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	1.3	0.10	0.032	ppbv		7.8	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-06
Lab Sample ID: JA27118-29 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A646 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.2	0.50	0.077	ppbv		2.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.21	0.20	0.019	ppbv		0.91	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.051	ppbv		4.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.77	0.040	0.022	ppbv		5.9	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.11	0.20	0.030	ppbv	J	0.45	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.035	ppbv		2.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.18	0.20	0.025	ppbv	J	0.63	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.72	0.50	0.061	ppbv		1.2	0.86	ug/m3
100-42-5	104.1	Styrene	0.10	0.20	0.018	ppbv	J	0.43	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	10.2	0.040	0.025	ppbv		55.7	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.29	0.20	0.021	ppbv		1.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	68.1 [a]	0.20	0.10	ppbv		462 [a]	1.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	3.2	0.040	0.019	ppbv		17	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	11.1	0.040	0.021	ppbv		62.4	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.74	0.20	0.045	ppbv		3.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.28	0.20	0.023	ppbv		1.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.20	0.023	ppbv		4.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	87%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-06		
Lab Sample ID:	JA27118-29	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A646	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-07
Lab Sample ID: JA27118-30 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A755 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22453.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2	3W12553.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	1.9	0.20	0.039	ppbv		4.5	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.44	0.20	0.021	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	1.3	0.20	0.034	ppbv		4.0	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	2.4	0.20	0.028	ppbv		12	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.35	0.040	0.022	ppbv		2.2	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	7.4	0.20	0.032	ppbv		30	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2.8	0.20	0.044	ppbv		11	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.20	0.024	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.57	0.20	0.028	ppbv		2.3	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-07
Lab Sample ID: JA27118-30 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A755 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	2.0	0.040	0.022	ppbv		15	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.10	0.20	0.019	ppbv	J	0.35	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.035	ppbv		2.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.12	0.20	0.025	ppbv	J	0.42	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.21	0.20	0.039	ppbv		0.62	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.12	0.20	0.022	ppbv	J	0.43	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	31.3	0.040	0.025	ppbv		171	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	286 [a]	0.80	0.42	ppbv		1940 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.19	0.20	0.018	ppbv	J	0.72	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	51.2 [a]	0.80	0.37	ppbv		275 [a]	4.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	10.6	0.040	0.021	ppbv		59.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	86%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-07		
Lab Sample ID:	JA27118-30	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A755	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-08
Lab Sample ID: JA27118-31 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A633 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22454.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2	3W12554.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	50.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.8	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.35	0.20	0.021	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.23	0.20	0.034	ppbv		0.72	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	2.9	0.20	0.028	ppbv		14	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.37	0.040	0.022	ppbv		2.3	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	3.6	0.20	0.032	ppbv		15	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.72	0.20	0.044	ppbv		2.9	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.024	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.51	0.10	0.032	ppbv		3.1	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-08
Lab Sample ID: JA27118-31 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A633 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	0.81	0.50	0.077	ppbv		1.5	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.2	0.20	0.019	ppbv		5.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.5	0.20	0.051	ppbv		5.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.83	0.040	0.022	ppbv		6.4	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.045	0.20	0.026	ppbv	J	0.18	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.27	0.20	0.039	ppbv		0.80	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.018	ppbv	J	0.47	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	23.2	0.040	0.025	ppbv		127	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	0.20	0.021	ppbv	J	0.84	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	119 [a]	0.32	0.17	ppbv		807 [a]	2.2	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.66	0.20	0.018	ppbv		2.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	19.6	0.040	0.019	ppbv		105	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	10.1	0.040	0.021	ppbv		56.8	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	4.5	0.20	0.045	ppbv		20	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.6	0.20	0.023	ppbv		6.9	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	6.1	0.20	0.023	ppbv		26	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	90%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-08		
Lab Sample ID:	JA27118-31	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A633	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-09
Lab Sample ID: JA27118-32 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A739 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22455.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.41	0.20	0.021	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.022	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.93	0.10	0.032	ppbv		5.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-09
Lab Sample ID: JA27118-32 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A739 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.35	0.20	0.019	ppbv		1.5	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.022	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.025	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.38	0.20	0.021	ppbv		1.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	12.7	0.040	0.021	ppbv		86.1	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.61	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	10.1	0.040	0.021	ppbv		56.8	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.86	0.20	0.045	ppbv		3.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.35	0.20	0.023	ppbv		1.5	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.023	ppbv		5.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-10
Lab Sample ID: JA27118-33 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A775 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22456.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2	3W12555.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.7	0.20	0.039	ppbv		6.4	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.50	0.20	0.028	ppbv		2.4	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.25	0.040	0.022	ppbv		1.6	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.82	0.10	0.032	ppbv		4.9	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-10
Lab Sample ID: JA27118-33 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A775 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.5	0.50	0.077	ppbv		2.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	0.20	0.019	ppbv		4.8	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.5	0.20	0.051	ppbv		5.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	3.5	0.040	0.022	ppbv		27	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.79	0.20	0.035	ppbv		1.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.11	0.20	0.025	ppbv	J	0.38	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.23	0.20	0.039	ppbv		0.68	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	1.2	0.50	0.061	ppbv		2.1	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	3.2	0.040	0.025	ppbv		17	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	0.20	0.021	ppbv	J	0.84	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	94.5 [a]	0.80	0.42	ppbv		641 [a]	5.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.75	0.20	0.018	ppbv		2.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.079	0.040	0.019	ppbv		0.42	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	18.7	0.040	0.021	ppbv		105	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	3.9	0.20	0.045	ppbv		17	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.1	0.20	0.023	ppbv		4.8	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	5.0	0.20	0.023	ppbv		22	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	88%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-10		
Lab Sample ID:	JA27118-33	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A775	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-11
Lab Sample ID: JA27118-34 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A148 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22457.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2	3W12556.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	75.4 [a]	0.80	0.16	ppbv		179 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.38	0.20	0.021	ppbv		1.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.22	0.20	0.034	ppbv		0.69	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.60	0.20	0.028	ppbv		2.9	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.040	0.022	ppbv		0.88	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	2.9	0.10	0.032	ppbv		17	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-11
Lab Sample ID: JA27118-34 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A148 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	4.3	0.50	0.077	ppbv		8.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	38.8 [a]	0.80	0.077	ppbv		169 [a]	3.5	ug/m3
141-78-6	88	Ethyl Acetate	10.1	0.20	0.051	ppbv		36.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.38	0.20	0.043	ppbv		1.9	0.98	ug/m3
76-13-1	187.4	Freon 113	0.74	0.040	0.022	ppbv		5.7	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.16	0.20	0.026	ppbv	J	0.66	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.23	0.20	0.019	ppbv		0.81	0.70	ug/m3
591-78-6	100	2-Hexanone	0.37	0.20	0.030	ppbv		1.5	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.20	0.035	ppbv		3.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.49	0.20	0.025	ppbv		1.7	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.5	0.20	0.039	ppbv		10	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.23	0.20	0.045	ppbv		0.94	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.89	0.50	0.061	ppbv		1.5	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.18	0.040	0.025	ppbv		0.98	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.79	0.20	0.021	ppbv		3.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.20	0.20	0.026	ppbv		0.98	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.21	0.20	0.023	ppbv		0.64	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.6	0.040	0.021	ppbv		24	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	21.5	0.20	0.018	ppbv		81.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	38.5	0.040	0.019	ppbv		207	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.3	0.040	0.021	ppbv		7.3	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	132 [a]	0.80	0.18	ppbv		573 [a]	3.5	ug/m3
95-47-6	106.2	o-Xylene	36.5 [a]	0.80	0.094	ppbv		159 [a]	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	169 [a]	0.80	0.094	ppbv		734 [a]	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	125%	67%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-11		
Lab Sample ID:	JA27118-34	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A148	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-12
Lab Sample ID: JA27118-35 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A288 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22458.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.6	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.73	0.20	0.034	ppbv		2.3	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.13	0.20	0.028	ppbv	J	0.63	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.040	0.022	ppbv		0.82	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.024	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.87	0.10	0.032	ppbv		5.2	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-12
Lab Sample ID: JA27118-35 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A288 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.0	0.50	0.077	ppbv		1.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	12.0	0.20	0.019	ppbv		52.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.4	0.20	0.051	ppbv		5.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.54	0.040	0.022	ppbv		4.1	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.51	0.20	0.035	ppbv		1.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.31	0.20	0.039	ppbv		0.91	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.53	0.040	0.025	ppbv		2.9	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.31	0.20	0.021	ppbv		1.5	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	25.7	0.040	0.021	ppbv		174	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	5.5	0.20	0.018	ppbv		21	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.060	0.040	0.019	ppbv		0.32	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.1	0.040	0.021	ppbv		23	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	39.0	0.20	0.045	ppbv		169	0.87	ug/m3
95-47-6	106.2	o-Xylene	11.7	0.20	0.023	ppbv		50.8	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	50.6	0.20	0.023	ppbv		220	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-13
Lab Sample ID: JA27118-36 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A360 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W22459.D	1	09/12/09	YMH	n/a	n/a	VW941
Run #2	3W12557.D	1	09/15/09	YMH	n/a	n/a	V3W513

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	212 [a]	2.0	0.39	ppbv		504 [a]	4.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.49	0.20	0.021	ppbv		1.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.022	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.040	0.022	ppbv		0.69	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.021	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.024	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.034	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.032	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.037	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.61	0.10	0.032	ppbv		3.7	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17SSV-13
Lab Sample ID: JA27118-36 **Date Sampled:** 09/03/09
Matrix: AIR - Air Summa ID: A360 **Date Received:** 09/03/09
Method: TO-15 **Percent Solids:** n/a
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	30.4 [a]	2.0	0.19	ppbv		132 [a]	8.7	ug/m3
141-78-6	88	Ethyl Acetate	0.80	0.20	0.051	ppbv		2.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.22	0.20	0.043	ppbv		1.1	0.98	ug/m3
76-13-1	187.4	Freon 113	0.25	0.040	0.022	ppbv		1.9	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.022	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.043	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.20	0.035	ppbv		3.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.15	0.20	0.025	ppbv	J	0.52	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.7	0.20	0.039	ppbv		5.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	2.8	0.50	0.061	ppbv		4.8	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.38	0.040	0.025	ppbv		2.1	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.023	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.021	ppbv		ND	0.22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.065	ppbv		ND	0.74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.52	0.20	0.021	ppbv		2.6	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.14	0.20	0.026	ppbv	J	0.69	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.29	0.20	0.023	ppbv		0.88	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	20.2	0.040	0.021	ppbv		137	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	75.4 [a]	2.0	0.18	ppbv		284 [a]	7.5	ug/m3
79-01-6	131.4	Trichloroethylene	0.069	0.040	0.019	ppbv		0.37	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	6.5	0.040	0.021	ppbv		37	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	260 [a]	2.0	0.45	ppbv		1130 [a]	8.7	ug/m3
95-47-6	106.2	o-Xylene	73.3 [a]	2.0	0.23	ppbv		318 [a]	8.7	ug/m3
1330-20-7	106.2	Xylenes (total)	333 [a]	2.0	0.23	ppbv		1450 [a]	8.7	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	152% [b]	57% [b]	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17SSV-13		
Lab Sample ID:	JA27118-36	**Date Sampled:**	09/03/09
Matrix:	AIR - Air Summa ID: A360	**Date Received:**	09/03/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-01
Lab Sample ID: JA26923-1 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 73.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91416.D	1	09/03/09	YXC	n/a	n/a	VY3837
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	36.2	16	3.6	ug/kg	
71-43-2	Benzene	ND	1.6	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	8.1	0.42	ug/kg	
75-25-2	Bromoform	ND	8.1	0.25	ug/kg	
74-83-9	Bromomethane	ND	8.1	0.66	ug/kg	
78-93-3	2-Butanone (MEK)	ND	16	3.2	ug/kg	
75-15-0	Carbon disulfide	1.0	8.1	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	8.1	0.90	ug/kg	
108-90-7	Chlorobenzene	ND	8.1	0.55	ug/kg	
75-00-3	Chloroethane	ND	8.1	1.9	ug/kg	
67-66-3	Chloroform	ND	8.1	0.52	ug/kg	
74-87-3	Chloromethane	ND	8.1	0.27	ug/kg	
110-82-7	Cyclohexane	ND	8.1	0.25	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	16	0.88	ug/kg	
124-48-1	Dibromochloromethane	ND	8.1	0.18	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.6	0.22	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	8.1	0.44	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	8.1	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	8.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.1	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.1	0.22	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.56	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8.1	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8.1	0.39	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8.1	0.73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.1	0.21	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.1	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.1	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.60	ug/kg	
76-13-1	Freon 113	ND	8.1	0.92	ug/kg	
591-78-6	2-Hexanone	ND	8.1	1.6	ug/kg	
98-82-8	Isopropylbenzene	ND	8.1	0.84	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-01		
Lab Sample ID:	JA26923-1	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	73.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	9.3	8.1	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	8.1	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.6	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8.1	1.3	ug/kg	
75-09-2	Methylene chloride	5.1	8.1	0.36	ug/kg	J
100-42-5	Styrene	ND	8.1	0.17	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.1	0.48	ug/kg	
127-18-4	Tetrachloroethene	ND	8.1	0.24	ug/kg	
108-88-3	Toluene	ND	1.6	0.48	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.1	0.56	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.1	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.1	0.30	ug/kg	
79-01-6	Trichloroethene	ND	8.1	0.86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.1	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	8.1	0.29	ug/kg	
	m,p-Xylene	ND	3.3	0.76	ug/kg	
95-47-6	o-Xylene	ND	1.6	0.76	ug/kg	
1330-20-7	Xylene (total)	ND	3.3	0.76	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	73%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-01
Lab Sample ID: JA26923-1 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 73.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83452.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	47	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	420	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	41	ug/kg	
95-48-7	2-Methylphenol	ND	78	42	ug/kg	
	3&4-Methylphenol	ND	78	52	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	50	ug/kg	
87-86-5	Pentachlorophenol	ND	390	50	ug/kg	
108-95-2	Phenol	ND	78	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	52	ug/kg	
83-32-9	Acenaphthene	47.6	39	21	ug/kg	
208-96-8	Acenaphthylene	26.1	39	17	ug/kg	J
98-86-2	Acetophenone	ND	200	19	ug/kg	
120-12-7	Anthracene	188	39	18	ug/kg	
1912-24-9	Atrazine	ND	200	25	ug/kg	
56-55-3	Benzo(a)anthracene	527	39	24	ug/kg	
50-32-8	Benzo(a)pyrene	578	39	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	893	39	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	464	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	506	39	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	20	ug/kg	
100-52-7	Benzaldehyde	ND	200	110	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	17	ug/kg	
106-47-8	4-Chloroaniline	ND	200	16	ug/kg	
86-74-8	Carbazole	110	78	17	ug/kg	
105-60-2	Caprolactam	ND	78	31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-01		
Lab Sample ID:	JA26923-1	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	73.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	869	39	18	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	19	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	18	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	26	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	21	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	68	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	74.9	39	19	ug/kg	
132-64-9	Dibenzofuran	30.5	78	18	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	78	24	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	17	ug/kg	
84-66-2	Diethyl phthalate	ND	78	18	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	19	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	531	78	20	ug/kg	
206-44-0	Fluoranthene	2470	39	18	ug/kg	
86-73-7	Fluorene	80.3	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	22	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	37	ug/kg	
67-72-1	Hexachloroethane	ND	200	25	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	450	39	14	ug/kg	
78-59-1	Isophorone	ND	78	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	78	18	ug/kg	
88-74-4	2-Nitroaniline	ND	200	29	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	24	ug/kg	
91-20-3	Naphthalene	ND	39	17	ug/kg	
98-95-3	Nitrobenzene	ND	78	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	24	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	26	ug/kg	
85-01-8	Phenanthrene	954	39	19	ug/kg	
129-00-0	Pyrene	1580	39	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		30-109%
4165-62-2	Phenol-d5	78%		28-108%
118-79-6	2,4,6-Tribromophenol	103%		28-125%
4165-60-0	Nitrobenzene-d5	91%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-01		
Lab Sample ID:	JA26923-1	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	73.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		38-107%
1718-51-0	Terphenyl-d14	76%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-01
Lab Sample ID: JA26923-1 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 73.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48317.D	1	09/09/09	OPM	09/02/09	OP39731	G1G1760
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.6	0.72	ug/kg	
319-84-6	alpha-BHC	ND	1.6	0.49	ug/kg	
319-85-7	beta-BHC	ND	1.6	0.78	ug/kg	
319-86-8	delta-BHC	ND	1.6	0.44	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.6	0.49	ug/kg	
5103-71-9	alpha-Chlordane	1.7	1.6	0.54	ug/kg	
5103-74-2	gamma-Chlordane	1.9	1.6	0.63	ug/kg	
60-57-1	Dieldrin	ND	1.6	0.54	ug/kg	
72-54-8	4,4'-DDD	4.2	1.6	0.68	ug/kg	
72-55-9	4,4'-DDE	18.4	1.6	0.55	ug/kg	
50-29-3	4,4'-DDT [a]	5.9	1.6	0.67	ug/kg	
72-20-8	Endrin	ND	1.6	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.6	0.61	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.6	0.75	ug/kg	
959-98-8	Endosulfan-I	ND	1.6	0.55	ug/kg	
33213-65-9	Endosulfan-II	ND	1.6	0.61	ug/kg	
76-44-8	Heptachlor	ND	1.6	0.72	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.6	0.61	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.71	ug/kg	
53494-70-5	Endrin ketone	ND	1.6	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		28-138%
877-09-8	Tetrachloro-m-xylene	75%		28-138%
2051-24-3	Decachlorobiphenyl	64%		22-156%
2051-24-3	Decachlorobiphenyl	68%		22-156%

(a) Reported from 2nd signal. %D of check on 1st signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-01
Lab Sample ID: JA26923-1 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 73.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85448.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	14	ug/kg	
11104-28-2	Aroclor 1221	ND	40	26	ug/kg	
11141-16-5	Aroclor 1232	ND	40	13	ug/kg	
53469-21-9	Aroclor 1242	ND	40	14	ug/kg	
12672-29-6	Aroclor 1248	102	40	7.9	ug/kg	
11097-69-1	Aroclor 1254	ND	40	10	ug/kg	
11096-82-5	Aroclor 1260	ND	40	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		33-141%
877-09-8	Tetrachloro-m-xylene	91%		33-141%
2051-24-3	Decachlorobiphenyl	91%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-01
Lab Sample ID: JA26923-1 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 73.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.7	2.7	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	5.2	2.7	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.67	0.67	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	1.4	0.67	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium	16.6	1.3	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	33.1	3.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Lead	95.0	2.7	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.053	0.045	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	18.0	5.4	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium	< 2.7	2.7	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	283	2.7	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: DRYWELL-02
Lab Sample ID: JA26923-2 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 79.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91417.D	1	09/03/09	YXC	n/a	n/a	VY3837
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.3	14	3.0	ug/kg	
71-43-2	Benzene	ND	1.4	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	0.35	ug/kg	
75-25-2	Bromoform	ND	6.8	0.21	ug/kg	
74-83-9	Bromomethane	ND	6.8	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.7	ug/kg	
75-15-0	Carbon disulfide	1.2	6.8	0.41	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.8	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.8	1.6	ug/kg	
67-66-3	Chloroform	ND	6.8	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.8	0.22	ug/kg	
110-82-7	Cyclohexane	ND	6.8	0.21	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.8	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.8	0.37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.8	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.8	0.90	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.8	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.8	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.50	ug/kg	
76-13-1	Freon 113	ND	6.8	0.76	ug/kg	
591-78-6	2-Hexanone	ND	6.8	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	0.70	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-02		
Lab Sample ID:	JA26923-2	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	79.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	5.8	6.8	1.1	ug/kg	J
108-87-2	Methylcyclohexane	ND	6.8	0.89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	1.1	ug/kg	
75-09-2	Methylene chloride	3.6	6.8	0.30	ug/kg	J
100-42-5	Styrene	ND	6.8	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	6.8	0.20	ug/kg	
108-88-3	Toluene	ND	1.4	0.40	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.8	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	0.31	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	0.24	ug/kg	
	m,p-Xylene	ND	2.7	0.64	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	71%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-02
Lab Sample ID: JA26923-2 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 79.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83453.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	30	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	44	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	39	ug/kg	
	3&4-Methylphenol	ND	72	48	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	46	ug/kg	
87-86-5	Pentachlorophenol	ND	360	46	ug/kg	
108-95-2	Phenol	ND	72	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	48	ug/kg	
83-32-9	Acenaphthene	45.8	36	19	ug/kg	
208-96-8	Acenaphthylene	15.1	36	15	ug/kg	J
98-86-2	Acetophenone	ND	180	18	ug/kg	
120-12-7	Anthracene	105	36	16	ug/kg	
1912-24-9	Atrazine	ND	180	22	ug/kg	
56-55-3	Benzo(a)anthracene	421	36	22	ug/kg	
50-32-8	Benzo(a)pyrene	513	36	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	683	36	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	404	36	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	447	36	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	19	ug/kg	
85-68-7	Butyl benzyl phthalate	199	72	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	18	ug/kg	
100-52-7	Benzaldehyde	ND	180	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	15	ug/kg	
86-74-8	Carbazole	64.6	72	15	ug/kg	J
105-60-2	Caprolactam	ND	72	29	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-02		
Lab Sample ID:	JA26923-2	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	662	36	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	62	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	91.8	36	17	ug/kg	
132-64-9	Dibenzofuran	24.4	72	17	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	72	22	ug/kg	
117-84-0	Di-n-octyl phthalate	223	72	16	ug/kg	
84-66-2	Diethyl phthalate	ND	72	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	2310	72	19	ug/kg	
206-44-0	Fluoranthene	1430	36	16	ug/kg	
86-73-7	Fluorene	67.7	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	34	ug/kg	
67-72-1	Hexachloroethane	ND	180	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	382	36	13	ug/kg	
78-59-1	Isophorone	ND	72	31	ug/kg	
91-57-6	2-Methylnaphthalene	18.1	72	16	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	26	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	22	ug/kg	
91-20-3	Naphthalene	ND	36	16	ug/kg	
98-95-3	Nitrobenzene	ND	72	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	24	ug/kg	
85-01-8	Phenanthrene	637	36	18	ug/kg	
129-00-0	Pyrene	932	36	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		30-109%
4165-62-2	Phenol-d5	84%		28-108%
118-79-6	2,4,6-Tribromophenol	109%		28-125%
4165-60-0	Nitrobenzene-d5	99%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-02		
Lab Sample ID:	JA26923-2	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	90%		38-107%
1718-51-0	Terphenyl-d14	80%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-02
Lab Sample ID: JA26923-2 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 79.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48318.D	1	09/09/09	OPM	09/02/09	OP39731	G1G1760
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.71	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.45	ug/kg	
5103-71-9	alpha-Chlordane	1.6	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	2.1	1.5	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.49	ug/kg	
72-54-8	4,4'-DDD	1.5	1.5	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.61	ug/kg	
72-20-8	Endrin	ND	1.5	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.56	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		28-138%
877-09-8	Tetrachloro-m-xylene	54%		28-138%
2051-24-3	Decachlorobiphenyl	42%		22-156%
2051-24-3	Decachlorobiphenyl	55%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-02
Lab Sample ID: JA26923-2 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 79.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85449.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	500	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.2	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		33-141%
877-09-8	Tetrachloro-m-xylene	72%		33-141%
2051-24-3	Decachlorobiphenyl	71%		32-154%
2051-24-3	Decachlorobiphenyl	77%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-02
Lab Sample ID: JA26923-2
Matrix: SO - Soil
Date Sampled: 08/31/09
Date Received: 09/01/09
Percent Solids: 79.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	3.3	2.5	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.61	0.61	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	1.7	0.61	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium	20.1	1.2	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	22.1	3.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Lead	112	2.5	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.076	0.038	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	18.5	4.9	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.5	2.5	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	146	2.5	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91418.D	1	09/03/09	YXC	n/a	n/a	VY3837
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20.8	15	3.4	ug/kg	
71-43-2	Benzene	ND	1.5	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	0.39	ug/kg	
75-25-2	Bromoform	ND	7.5	0.23	ug/kg	
74-83-9	Bromomethane	ND	7.5	0.61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.0	ug/kg	
75-15-0	Carbon disulfide	0.67	7.5	0.46	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.5	0.83	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	0.51	ug/kg	
75-00-3	Chloroethane	ND	7.5	1.7	ug/kg	
67-66-3	Chloroform	ND	7.5	0.48	ug/kg	
74-87-3	Chloromethane	ND	7.5	0.25	ug/kg	
110-82-7	Cyclohexane	ND	7.5	0.23	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	15	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	0.17	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.21	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.5	0.41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.5	0.41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.5	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	0.21	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.5	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.5	0.36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.5	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	0.14	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.56	ug/kg	
76-13-1	Freon 113	ND	7.5	0.85	ug/kg	
591-78-6	2-Hexanone	ND	7.5	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	0.78	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-03		
Lab Sample ID:	JA26923-3	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	77.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	7.5	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	7.5	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.5	1.2	ug/kg	
75-09-2	Methylene chloride	ND	7.5	0.34	ug/kg	
100-42-5	Styrene	ND	7.5	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.5	0.44	ug/kg	
127-18-4	Tetrachloroethene	ND	7.5	0.22	ug/kg	
108-88-3	Toluene	ND	1.5	0.44	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	0.19	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.5	0.28	ug/kg	
79-01-6	Trichloroethene	ND	7.5	0.79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	0.34	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	0.27	ug/kg	
	m,p-Xylene	ND	3.0	0.71	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.71	ug/kg	
1330-20-7	Xylene (total)	ND	3.0	0.71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	71%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83454.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	45	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	45	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	40	ug/kg	
	3&4-Methylphenol	ND	74	50	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	47	ug/kg	
87-86-5	Pentachlorophenol	ND	370	48	ug/kg	
108-95-2	Phenol	ND	74	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	49	ug/kg	
83-32-9	Acenaphthene	82.3	37	20	ug/kg	
208-96-8	Acenaphthylene	ND	37	16	ug/kg	
98-86-2	Acetophenone	ND	180	18	ug/kg	
120-12-7	Anthracene	172	37	17	ug/kg	
1912-24-9	Atrazine	ND	180	23	ug/kg	
56-55-3	Benzo(a)anthracene	490	37	22	ug/kg	
50-32-8	Benzo(a)pyrene	487	37	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	590	37	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	345	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	428	37	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	20	ug/kg	
85-68-7	Butyl benzyl phthalate	193	74	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	19	ug/kg	
100-52-7	Benzaldehyde	ND	180	110	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	15	ug/kg	
86-74-8	Carbazole	103	74	16	ug/kg	
105-60-2	Caprolactam	ND	74	30	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	622	37	17	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	20	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	64	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	86.7	37	18	ug/kg	
132-64-9	Dibenzofuran	64.1	74	17	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	74	23	ug/kg	
117-84-0	Di-n-octyl phthalate	201	74	16	ug/kg	
84-66-2	Diethyl phthalate	ND	74	17	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	18	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	2100	74	19	ug/kg	
206-44-0	Fluoranthene	1590	37	17	ug/kg	
86-73-7	Fluorene	122	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	35	ug/kg	
67-72-1	Hexachloroethane	ND	180	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	336	37	14	ug/kg	
78-59-1	Isophorone	ND	74	32	ug/kg	
91-57-6	2-Methylnaphthalene	41.4	74	17	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	27	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	23	ug/kg	
91-20-3	Naphthalene	56.7	37	16	ug/kg	
98-95-3	Nitrobenzene	ND	74	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	23	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	25	ug/kg	
85-01-8	Phenanthrene	1020	37	18	ug/kg	
129-00-0	Pyrene	1030	37	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		30-109%
4165-62-2	Phenol-d5	76%		28-108%
118-79-6	2,4,6-Tribromophenol	99%		28-125%
4165-60-0	Nitrobenzene-d5	92%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-03		
Lab Sample ID:	JA26923-3	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	83%		38-107%
1718-51-0	Terphenyl-d14	75%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48468.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.68	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.47	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.74	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.42	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.47	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.51	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.60	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.65	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.53	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.64	ug/kg	
72-20-8	Endrin	ND	1.5	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.71	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.52	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.58	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.58	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.68	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		28-138%
877-09-8	Tetrachloro-m-xylene	82%		28-138%
2051-24-3	Decachlorobiphenyl	55%		22-156%
2051-24-3	Decachlorobiphenyl	75%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85450.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	14	ug/kg	
11104-28-2	Aroclor 1221	ND	38	25	ug/kg	
11141-16-5	Aroclor 1232	ND	38	12	ug/kg	
53469-21-9	Aroclor 1242	ND	38	14	ug/kg	
12672-29-6	Aroclor 1248	1180	38	7.5	ug/kg	
11097-69-1	Aroclor 1254	ND	38	9.6	ug/kg	
11096-82-5	Aroclor 1260	ND	38	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		33-141%
877-09-8	Tetrachloro-m-xylene	72%		33-141%
2051-24-3	Decachlorobiphenyl	71%		32-154%
2051-24-3	Decachlorobiphenyl	89%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-03
Lab Sample ID: JA26923-3
Matrix: SO - Soil
Date Sampled: 08/31/09
Date Received: 09/01/09
Percent Solids: 77.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.6	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	6.2	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.65	0.65	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	2.0	0.65	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium	27.4	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Copper	28.4	3.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Lead	115	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.069	0.041	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	17.7	5.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.6	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	183	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: DRYWELL-04
Lab Sample ID: JA26923-4 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 96.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91419.D	1	09/03/09	YXC	n/a	n/a	VY3837
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-04		
Lab Sample ID:	JA26923-4	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	96.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.93	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	3.0	5.7	0.25	ug/kg	J
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	73%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-04
Lab Sample ID: JA26923-4 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83455.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	32	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	19.9	30	18	ug/kg	J
50-32-8	Benzo(a)pyrene	23.1	30	12	ug/kg	J
205-99-2	Benzo(b)fluoranthene	32.7	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22.5	30	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	16.6	30	15	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-04		
Lab Sample ID:	JA26923-4	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	30.8	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	16	ug/kg	
206-44-0	Fluoranthene	52.9	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	21.6	30	11	ug/kg	J
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	33.0	30	15	ug/kg	
129-00-0	Pyrene	38.9	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	76%		28-108%
118-79-6	2,4,6-Tribromophenol	95%		28-125%
4165-60-0	Nitrobenzene-d5	90%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-04		
Lab Sample ID:	JA26923-4	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	83%		38-107%
1718-51-0	Terphenyl-d14	70%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-04
Lab Sample ID: JA26923-4 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 96.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48469.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		28-138%
877-09-8	Tetrachloro-m-xylene	73%		28-138%
2051-24-3	Decachlorobiphenyl	90%		22-156%
2051-24-3	Decachlorobiphenyl	79%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-04
Lab Sample ID: JA26923-4 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 96.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85451.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	701	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		33-141%
877-09-8	Tetrachloro-m-xylene	92%		33-141%
2051-24-3	Decachlorobiphenyl	87%		32-154%
2051-24-3	Decachlorobiphenyl	82%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-04
Lab Sample ID: JA26923-4 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 96.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.53	0.53	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.53	0.53	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	6.0	1.1	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	7.2	2.7	mg/kg	1	09/04/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	7.7	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.033	0.033	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	< 4.2	4.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	27.0	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91544.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.37	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.4	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
76-13-1	Freon 113	ND	6.0	0.68	ug/kg	
591-78-6	2-Hexanone	ND	6.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-05		
Lab Sample ID:	JA26923-5	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	11.9	6.0	0.99	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.98	ug/kg	
75-09-2	Methylene chloride	2.5	6.0	0.27	ug/kg	J
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	99%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83456.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	30	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	44	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	39	ug/kg	
	3&4-Methylphenol	ND	72	48	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	46	ug/kg	
87-86-5	Pentachlorophenol	ND	360	46	ug/kg	
108-95-2	Phenol	ND	72	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	48	ug/kg	
83-32-9	Acenaphthene	ND	36	19	ug/kg	
208-96-8	Acenaphthylene	ND	36	15	ug/kg	
98-86-2	Acetophenone	ND	180	18	ug/kg	
120-12-7	Anthracene	49.0	36	16	ug/kg	
1912-24-9	Atrazine	ND	180	23	ug/kg	
56-55-3	Benzo(a)anthracene	188	36	22	ug/kg	
50-32-8	Benzo(a)pyrene	228	36	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	254	36	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	187	36	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	194	36	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	20	ug/kg	
85-68-7	Butyl benzyl phthalate	177	72	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	18	ug/kg	
100-52-7	Benzaldehyde	ND	180	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	15	ug/kg	
86-74-8	Carbazole	30.0	72	15	ug/kg	J
105-60-2	Caprolactam	ND	72	29	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	229	36	17	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	20	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	62	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	41.3	36	17	ug/kg	
132-64-9	Dibenzofuran	ND	72	17	ug/kg	
84-74-2	Di-n-butyl phthalate	303	72	22	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	16	ug/kg	
84-66-2	Diethyl phthalate	ND	72	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	577	72	19	ug/kg	
206-44-0	Fluoranthene	489	36	16	ug/kg	
86-73-7	Fluorene	17.2	36	17	ug/kg	J
118-74-1	Hexachlorobenzene	ND	72	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	34	ug/kg	
67-72-1	Hexachloroethane	ND	180	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	175	36	13	ug/kg	
78-59-1	Isophorone	ND	72	31	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	16	ug/kg	
88-74-4	2-Nitroaniline	ND	180	26	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	22	ug/kg	
91-20-3	Naphthalene	ND	36	16	ug/kg	
98-95-3	Nitrobenzene	ND	72	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	24	ug/kg	
85-01-8	Phenanthrene	194	36	18	ug/kg	
129-00-0	Pyrene	320	36	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-109%
4165-62-2	Phenol-d5	76%		28-108%
118-79-6	2,4,6-Tribromophenol	98%		28-125%
4165-60-0	Nitrobenzene-d5	89%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-05		
Lab Sample ID:	JA26923-5	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48470.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.45	ug/kg	
5103-71-9	alpha-Chlordane	1.7	1.4	0.49	ug/kg	
5103-74-2	gamma-Chlordane	1.8	1.4	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.61	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		28-138%
877-09-8	Tetrachloro-m-xylene	86%		28-138%
2051-24-3	Decachlorobiphenyl	70%		22-156%
2051-24-3	Decachlorobiphenyl	88%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85452.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	250	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		33-141%
877-09-8	Tetrachloro-m-xylene	91%		33-141%
2051-24-3	Decachlorobiphenyl	85%		32-154%
2051-24-3	Decachlorobiphenyl	85%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-05
Lab Sample ID: JA26923-5
Matrix: SO - Soil
Date Sampled: 08/31/09
Date Received: 09/01/09
Percent Solids: 79.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.6	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	3.6	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.66	0.66	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.66	0.66	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	26.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Copper	20.9	3.3	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	57.8	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	10.9	5.3	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium	< 2.6	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	87.8	2.6	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91545.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	50.7	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.33	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	1.1	6.5	0.39	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.5	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.44	ug/kg	
75-00-3	Chloroethane	ND	6.5	1.5	ug/kg	
67-66-3	Chloroform	ND	6.5	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.86	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
76-13-1	Freon 113	ND	6.5	0.73	ug/kg	
591-78-6	2-Hexanone	ND	6.5	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.67	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	9.0	6.5	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.5	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.5	0.29	ug/kg	
100-42-5	Styrene	ND	6.5	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.5	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.38	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.30	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.23	ug/kg	
	m,p-Xylene	ND	2.6	0.61	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.61	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	107%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83476.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	38	ug/kg	
	3&4-Methylphenol	ND	71	48	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	45	ug/kg	
87-86-5	Pentachlorophenol	ND	350	46	ug/kg	
108-95-2	Phenol	ND	71	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	47	ug/kg	
83-32-9	Acenaphthene	38.0	35	19	ug/kg	
208-96-8	Acenaphthylene	ND	35	15	ug/kg	
98-86-2	Acetophenone	ND	180	17	ug/kg	
120-12-7	Anthracene	79.4	35	16	ug/kg	
1912-24-9	Atrazine	ND	180	22	ug/kg	
56-55-3	Benzo(a)anthracene	161	35	21	ug/kg	
50-32-8	Benzo(a)pyrene	209	35	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	269	35	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	184	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	170	35	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	19	ug/kg	
85-68-7	Butyl benzyl phthalate	73.9	71	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	18	ug/kg	
100-52-7	Benzaldehyde	ND	180	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	14	ug/kg	
86-74-8	Carbazole	31.1	71	15	ug/kg	J
105-60-2	Caprolactam	ND	71	28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-06		
Lab Sample ID:	JA26923-6	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	243	35	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	61	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	40.0	35	17	ug/kg	
132-64-9	Dibenzofuran	36.0	71	17	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	71	22	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	16	ug/kg	
84-66-2	Diethyl phthalate	ND	71	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	301	71	19	ug/kg	
206-44-0	Fluoranthene	560	35	16	ug/kg	
86-73-7	Fluorene	63.1	35	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	33	ug/kg	
67-72-1	Hexachloroethane	ND	180	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	174	35	13	ug/kg	
78-59-1	Isophorone	ND	71	31	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	16	ug/kg	
88-74-4	2-Nitroaniline	ND	180	26	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	22	ug/kg	
91-20-3	Naphthalene	ND	35	15	ug/kg	
98-95-3	Nitrobenzene	ND	71	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	24	ug/kg	
85-01-8	Phenanthrene	472	35	17	ug/kg	
129-00-0	Pyrene	346	35	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	73%		28-108%
118-79-6	2,4,6-Tribromophenol	105%		28-125%
4165-60-0	Nitrobenzene-d5	91%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRYWELL-06		
Lab Sample ID:	JA26923-6	**Date Sampled:**	08/31/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48471.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		28-138%
877-09-8	Tetrachloro-m-xylene	99%		28-138%
2051-24-3	Decachlorobiphenyl	74%		22-156%
2051-24-3	Decachlorobiphenyl	91%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6 **Date Sampled:** 08/31/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85453.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	47.9	36	7.1	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.0	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		33-141%
877-09-8	Tetrachloro-m-xylene	93%		33-141%
2051-24-3	Decachlorobiphenyl	87%		32-154%
2051-24-3	Decachlorobiphenyl	92%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRYWELL-06
Lab Sample ID: JA26923-6
Matrix: SO - Soil
Date Sampled: 08/31/09
Date Received: 09/01/09
Percent Solids: 80.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.4	2.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.59	0.59	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.93	0.59	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium	13.4	1.2	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	15.3	3.0	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	30.5	2.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	7.5	4.7	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	79.2	2.4	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB01-0'-4'
Lab Sample ID: JA26923-7 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 98.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91546.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB01-0'-4'		
Lab Sample ID:	JA26923-7	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	98.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.90	ug/kg	
75-09-2	Methylene chloride	2.4	5.5	0.25	ug/kg	J
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	ND	2.2	0.52	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		67-127%
17060-07-0	1,2-Dichloroethane-D4	108%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-0'-4'
Lab Sample ID: JA26923-7 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 98.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83440.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	310	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	31	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	37	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	12	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB01-0'-4'		
Lab Sample ID:	JA26923-7	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	98.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	27	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	25	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-109%
4165-62-2	Phenol-d5	72%		28-108%
118-79-6	2,4,6-Tribromophenol	89%		28-125%
4165-60-0	Nitrobenzene-d5	83%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB01-0'-4'		
Lab Sample ID:	JA26923-7	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	98.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		38-107%
1718-51-0	Terphenyl-d14	79%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-0'-4'
Lab Sample ID: JA26923-7 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 98.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48194.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		28-138%
877-09-8	Tetrachloro-m-xylene	85%		28-138%
2051-24-3	Decachlorobiphenyl	79%		22-156%
2051-24-3	Decachlorobiphenyl	95%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-0'-4'
Lab Sample ID: JA26923-7 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 98.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85458.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		33-141%
877-09-8	Tetrachloro-m-xylene	98%		33-141%
2051-24-3	Decachlorobiphenyl	108%		32-154%
2051-24-3	Decachlorobiphenyl	105%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-0'-4'
Lab Sample ID: JA26923-7 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 98.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.50	0.50	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	1.4	1.0	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	2.9	2.5	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.032	0.032	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	< 4.0	4.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	4.5	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91547.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.3	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
76-13-1	Freon 113	ND	5.8	0.65	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	0.96	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.94	ug/kg	
75-09-2	Methylene chloride	3.2	5.8	0.26	ug/kg	J
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.22	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	ND	2.3	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	109%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83443.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	32	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	74%		28-108%
118-79-6	2,4,6-Tribromophenol	89%		28-125%
4165-60-0	Nitrobenzene-d5	88%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB01-4'-8'		
Lab Sample ID:	JA26923-8	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	97.7
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		38-107%
1718-51-0	Terphenyl-d14	78%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48195.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		28-138%
877-09-8	Tetrachloro-m-xylene	86%		28-138%
2051-24-3	Decachlorobiphenyl	90%		22-156%
2051-24-3	Decachlorobiphenyl	99%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85459.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.6	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		33-141%
877-09-8	Tetrachloro-m-xylene	95%		33-141%
2051-24-3	Decachlorobiphenyl	110%		32-154%
2051-24-3	Decachlorobiphenyl	105%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB01-4'-8'
Lab Sample ID: JA26923-8 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 97.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.53	0.53	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.53	0.53	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	3.0	1.1	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	9.7	2.6	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	3.8	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.032	0.032	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	< 4.2	4.2	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc	8.6	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91548.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	0.37	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.4	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
76-13-1	Freon 113	ND	6.1	0.69	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.63	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB02-0'-4'		
Lab Sample ID:	JA26923-9	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	95.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.1	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.80	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	3.1	6.1	0.27	ug/kg	J
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	103%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83444.D	1	09/12/09	NAP	09/02/09	OP39730	EF3948
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	600	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	32	ug/kg	
95-48-7	2-Methylphenol	ND	60	32	ug/kg	
	3&4-Methylphenol	ND	60	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	39	ug/kg	
108-95-2	Phenol	ND	60	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	60	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	60	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	60	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	88	ug/kg	
91-58-7	2-Chloronaphthalene	ND	60	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	60	13	ug/kg	
105-60-2	Caprolactam	ND	60	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	60	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	60	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	60	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	60	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	52	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	60	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	60	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	60	13	ug/kg	
84-66-2	Diethyl phthalate	ND	60	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	60	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	60	16	ug/kg	
206-44-0	Fluoranthene	ND	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	60	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	60	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	60	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	60	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	60	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		30-109%
4165-62-2	Phenol-d5	74%		28-108%
118-79-6	2,4,6-Tribromophenol	87%		28-125%
4165-60-0	Nitrobenzene-d5	87%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB02-0'-4'		
Lab Sample ID:	JA26923-9	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	95.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		38-107%
1718-51-0	Terphenyl-d14	77%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48472.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.55	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.38	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.60	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.42	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.48	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.42	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.53	ug/kg	
72-55-9	4,4'-DDE [a]	11.8	1.2	0.43	ug/kg	
50-29-3	4,4'-DDT [a]	13.3	1.2	0.52	ug/kg	
72-20-8	Endrin	ND	1.2	0.43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.47	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.58	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.47	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.44	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		28-138%
877-09-8	Tetrachloro-m-xylene	95%		28-138%
2051-24-3	Decachlorobiphenyl	79%		22-156%
2051-24-3	Decachlorobiphenyl	90%		22-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85460.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2	EF85470.D	5	09/09/09	VDT	09/02/09	OP39732	GEF3818

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2	17.0 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	20	ug/kg	
11141-16-5	Aroclor 1232	ND	31	9.9	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	1930 [a]	150	31	ug/kg	
11097-69-1	Aroclor 1254	ND	31	7.8	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	79%	33-141%
877-09-8	Tetrachloro-m-xylene	99%	70%	33-141%
2051-24-3	Decachlorobiphenyl	112%	90%	32-154%
2051-24-3	Decachlorobiphenyl	117%	83%	32-154%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-0'-4'
Lab Sample ID: JA26923-9
Matrix: SO - Soil
Date Sampled: 09/01/09
Date Received: 09/01/09
Percent Solids: 95.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	36.5	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.54	0.54	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.54	0.54	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	11.6	1.1	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Copper	9.6	2.7	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	19.5	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.031	0.031	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	5.8	4.3	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	23.2	2.1	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123310.D	1	09/03/09	SJM	n/a	n/a	VG5872
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB02-4'-8'		
Lab Sample ID:	JA26923-10	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	95.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.93	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	76%		65-132%
2037-26-5	Toluene-D8	109%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83469.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	600	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	32	ug/kg	
95-48-7	2-Methylphenol	ND	60	32	ug/kg	
	3&4-Methylphenol	ND	60	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	60	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	60	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	60	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	60	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	60	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	60	13	ug/kg	
105-60-2	Caprolactam	ND	60	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	60	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	60	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	60	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	60	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	52	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	60	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	60	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	60	13	ug/kg	
84-66-2	Diethyl phthalate	ND	60	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	60	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	60	16	ug/kg	
206-44-0	Fluoranthene	ND	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	60	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	60	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	60	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	60	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	60	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-109%
4165-62-2	Phenol-d5	69%		28-108%
118-79-6	2,4,6-Tribromophenol	85%		28-125%
4165-60-0	Nitrobenzene-d5	83%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB02-4'-8'		
Lab Sample ID:	JA26923-10	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	95.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	74%		38-107%
1718-51-0	Terphenyl-d14	72%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48196.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		28-138%
877-09-8	Tetrachloro-m-xylene	89%		28-138%
2051-24-3	Decachlorobiphenyl	92%		22-156%
2051-24-3	Decachlorobiphenyl	102%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85471.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3818
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.8	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		33-141%
877-09-8	Tetrachloro-m-xylene	97%		33-141%
2051-24-3	Decachlorobiphenyl	110%		32-154%
2051-24-3	Decachlorobiphenyl	103%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB02-4'-8'
Lab Sample ID: JA26923-10 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.2	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.51	0.51	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.51	0.51	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Chromium	5.5	1.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Copper	8.0	2.6	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Lead	2.6	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.032	0.032	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [2]	SW846 7471A [5]
Nickel	4.9	4.1	mg/kg	1	09/04/09	09/13/09	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]
Zinc	11.0	2.0	mg/kg	1	09/04/09	09/09/09	GT	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23090
(2) Instrument QC Batch: MA23092
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49525
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123311.D	1	09/03/09	SJM	n/a	n/a	VG5872
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	144	14	3.2	ug/kg	
71-43-2	Benzene	ND	1.4	0.49	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	0.37	ug/kg	
75-25-2	Bromoform	ND	7.1	0.22	ug/kg	
74-83-9	Bromomethane	ND	7.1	0.58	ug/kg	
78-93-3	2-Butanone (MEK)	40.7	14	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.1	0.44	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.1	0.79	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	0.48	ug/kg	
75-00-3	Chloroethane	ND	7.1	1.6	ug/kg	
67-66-3	Chloroform	ND	7.1	0.45	ug/kg	
74-87-3	Chloromethane	ND	7.1	0.24	ug/kg	
110-82-7	Cyclohexane	ND	7.1	0.22	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.77	ug/kg	
124-48-1	Dibromochloromethane	ND	7.1	0.16	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.20	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.1	0.39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.1	0.39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.1	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.1	0.95	ug/kg	
156-59-2	cis-1,2-Dichloroethene	1.5	7.1	0.34	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	7.1	0.64	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	0.14	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.53	ug/kg	
76-13-1	Freon 113	ND	7.1	0.80	ug/kg	
591-78-6	2-Hexanone	ND	7.1	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	7.1	0.74	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB03-0'-4'		
Lab Sample ID:	JA26923-11	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	7.1	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	7.1	0.93	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.1	1.2	ug/kg	
75-09-2	Methylene chloride	ND	7.1	0.32	ug/kg	
100-42-5	Styrene	ND	7.1	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	0.42	ug/kg	
127-18-4	Tetrachloroethene	ND	7.1	0.21	ug/kg	
108-88-3	Toluene	ND	1.4	0.42	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.1	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.1	0.26	ug/kg	
79-01-6	Trichloroethene	ND	7.1	0.75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.1	0.33	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	0.25	ug/kg	
	m,p-Xylene	ND	2.9	0.67	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	2.9	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	79%		65-132%
2037-26-5	Toluene-D8	109%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83470.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	36	ug/kg	
95-48-7	2-Methylphenol	ND	69	37	ug/kg	
	3&4-Methylphenol	ND	69	46	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	44	ug/kg	
87-86-5	Pentachlorophenol	ND	340	44	ug/kg	
108-95-2	Phenol	ND	69	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	46	ug/kg	
83-32-9	Acenaphthene	ND	34	18	ug/kg	
208-96-8	Acenaphthylene	ND	34	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	34	15	ug/kg	
1912-24-9	Atrazine	ND	170	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	69	15	ug/kg	
105-60-2	Caprolactam	ND	69	27	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	59	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	16	ug/kg	
132-64-9	Dibenzofuran	ND	69	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	21	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	15	ug/kg	
84-66-2	Diethyl phthalate	ND	69	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	18	ug/kg	
206-44-0	Fluoranthene	ND	34	16	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	32	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	13	ug/kg	
78-59-1	Isophorone	ND	69	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	21	ug/kg	
91-20-3	Naphthalene	ND	34	15	ug/kg	
98-95-3	Nitrobenzene	ND	69	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	ND	34	17	ug/kg	
129-00-0	Pyrene	ND	34	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	75%		28-108%
118-79-6	2,4,6-Tribromophenol	100%		28-125%
4165-60-0	Nitrobenzene-d5	87%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB03-0'-4'		
Lab Sample ID:	JA26923-11	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		38-107%
1718-51-0	Terphenyl-d14	79%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48197.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.66	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		28-138%
877-09-8	Tetrachloro-m-xylene	73%		28-138%
2051-24-3	Decachlorobiphenyl	85%		22-156%
2051-24-3	Decachlorobiphenyl	86%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85462.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		33-141%
877-09-8	Tetrachloro-m-xylene	75%		33-141%
2051-24-3	Decachlorobiphenyl	94%		32-154%
2051-24-3	Decachlorobiphenyl	88%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-0'-4'
Lab Sample ID: JA26923-11 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	5.2	2.5	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.62	0.62	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.62	0.62	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	18.0	1.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	9.4	3.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	9.2	2.5	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [5]
Nickel	9.4	4.9	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.5	2.5	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	09/08/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc	22.7	2.5	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49541
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB03-4'-8'
Lab Sample ID: JA26923-12 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123312.D	1	09/03/09	SJM	n/a	n/a	VG5872
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.32	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.2	1.4	ug/kg	
67-66-3	Chloroform	ND	6.2	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.46	ug/kg	
76-13-1	Freon 113	ND	6.2	0.69	ug/kg	
591-78-6	2-Hexanone	ND	6.2	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.64	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB03-4'-8'		
Lab Sample ID:	JA26923-12	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.2	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.2	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.2	0.27	ug/kg	
100-42-5	Styrene	ND	6.2	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.2	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.65	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.22	ug/kg	
	m,p-Xylene	ND	2.5	0.58	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.58	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	77%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-4'-8'
Lab Sample ID: JA26923-12 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83471.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	31	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB03-4'-8'		
Lab Sample ID:	JA26923-12	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	30	13	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	65%		28-108%
118-79-6	2,4,6-Tribromophenol	84%		28-125%
4165-60-0	Nitrobenzene-d5	79%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB03-4'-8'		
Lab Sample ID:	JA26923-12	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-4'-8'
Lab Sample ID: JA26923-12 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48198.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		28-138%
877-09-8	Tetrachloro-m-xylene	82%		28-138%
2051-24-3	Decachlorobiphenyl	90%		22-156%
2051-24-3	Decachlorobiphenyl	93%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-4'-8'
Lab Sample ID: JA26923-12 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85463.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		33-141%
877-09-8	Tetrachloro-m-xylene	86%		33-141%
2051-24-3	Decachlorobiphenyl	101%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB03-4'-8'
Lab Sample ID: JA26923-12 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.51	0.51	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.9	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	4.1	2.6	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	2.8	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.030	0.030	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 4.1	4.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	9.9	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Prep QC Batch: MP49541
(4) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G123313.D	1	09/03/09	SJM	n/a	n/a	VG5872
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.4	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
76-13-1	Freon 113	ND	6.3	0.71	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.65	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB04-0'-4'		
Lab Sample ID:	JA26923-13	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	97.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.3	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.29	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.22	ug/kg	
	m,p-Xylene	ND	2.5	0.59	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.59	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	77%		65-132%
2037-26-5	Toluene-D8	107%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83472.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	31	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	38	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	16	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	65%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB04-0'-4'		
Lab Sample ID:	JA26923-13	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	97.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	68%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48199.D	1	09/02/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		28-138%
877-09-8	Tetrachloro-m-xylene	98%		28-138%
2051-24-3	Decachlorobiphenyl	102%		22-156%
2051-24-3	Decachlorobiphenyl	113%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85464.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.6	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		33-141%
877-09-8	Tetrachloro-m-xylene	116%		33-141%
2051-24-3	Decachlorobiphenyl	129%		32-154%
2051-24-3	Decachlorobiphenyl	126%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-0'-4'
Lab Sample ID: JA26923-13 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 97.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.4	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	3.9	2.6	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 4.2	4.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	5.8	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Prep QC Batch: MP49541
(4) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB04-4'-8'
Lab Sample ID: JA26923-14 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91543.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.2	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	0.29	ug/kg	
75-25-2	Bromoform	ND	5.6	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.6	1.3	ug/kg	
67-66-3	Chloroform	ND	5.6	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.6	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.6	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.6	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.6	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.6	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.6	0.63	ug/kg	
591-78-6	2-Hexanone	ND	5.6	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	0.58	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB04-4'-8'		
Lab Sample ID:	JA26923-14	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.6	0.93	ug/kg	
108-87-2	Methylcyclohexane	ND	5.6	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	0.91	ug/kg	
75-09-2	Methylene chloride	5.6	5.6	0.25	ug/kg	
100-42-5	Styrene	ND	5.6	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.6	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.6	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		67-127%
17060-07-0	1,2-Dichloroethane-D4	94%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-4'-8'
Lab Sample ID: JA26923-14 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83473.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	31	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB04-4'-8'		
Lab Sample ID:	JA26923-14	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	30	13	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-109%
4165-62-2	Phenol-d5	67%		28-108%
118-79-6	2,4,6-Tribromophenol	86%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB04-4'-8'		
Lab Sample ID:	JA26923-14	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-4'-8'
Lab Sample ID: JA26923-14 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48200.D	1	09/03/09	OPM	09/02/09	OP39731	G1G1756
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		28-138%
877-09-8	Tetrachloro-m-xylene	75%		28-138%
2051-24-3	Decachlorobiphenyl	80%		22-156%
2051-24-3	Decachlorobiphenyl	88%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-4'-8'
Lab Sample ID: JA26923-14 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85465.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		33-141%
877-09-8	Tetrachloro-m-xylene	86%		33-141%
2051-24-3	Decachlorobiphenyl	101%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB04-4'-8'
Lab Sample ID: JA26923-14 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Percent Solids: 96.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.5	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	3.5	2.6	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 4.2	4.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	5.2	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Prep QC Batch: MP49541
(4) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91549.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.8	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	0.37	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.4	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
76-13-1	Freon 113	ND	6.1	0.69	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.63	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB05-0'-4'		
Lab Sample ID:	JA26923-15	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	97.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.1	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.80	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	6.4	6.1	0.27	ug/kg	
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	109%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83474.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	310	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	31	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	37	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	38	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	12	ug/kg	
98-86-2	Acetophenone	ND	140	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	140	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	140	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	140	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	27	ug/kg	
67-72-1	Hexachloroethane	ND	140	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	25	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	140	21	ug/kg	
99-09-2	3-Nitroaniline	ND	140	12	ug/kg	
100-01-6	4-Nitroaniline	ND	140	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		30-109%
4165-62-2	Phenol-d5	75%		28-108%
118-79-6	2,4,6-Tribromophenol	100%		28-125%
4165-60-0	Nitrobenzene-d5	86%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB05-0'-4'		
Lab Sample ID:	JA26923-15	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	97.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	79%		38-107%
1718-51-0	Terphenyl-d14	81%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48431.D	1	09/14/09	OPM	09/02/09	OP39731	G1G1764
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		28-138%
877-09-8	Tetrachloro-m-xylene	86%		28-138%
2051-24-3	Decachlorobiphenyl	95%		22-156%
2051-24-3	Decachlorobiphenyl	97%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85456.D	1	09/08/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		33-141%
877-09-8	Tetrachloro-m-xylene	94%		33-141%
2051-24-3	Decachlorobiphenyl	101%		32-154%
2051-24-3	Decachlorobiphenyl	100%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-0'-4'
Lab Sample ID: JA26923-15
Matrix: SO - Soil
Date Sampled: 09/01/09
Date Received: 09/01/09
Percent Solids: 97.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.52	0.52	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	2.4	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	4.8	2.6	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.030	0.030	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [5]
Nickel	< 4.1	4.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	09/08/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc	7.1	2.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49541
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8260B **Percent Solids:** 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y91550.D	1	09/08/09	YXC	n/a	n/a	VY3843
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.7	12	2.8	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.32	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.2	1.4	ug/kg	
67-66-3	Chloroform	ND	6.2	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.46	ug/kg	
76-13-1	Freon 113	ND	6.2	0.69	ug/kg	
591-78-6	2-Hexanone	ND	6.2	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.64	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB05-4'-8'		
Lab Sample ID:	JA26923-16	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8260B	**Percent Solids:**	96.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.2	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.2	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	1.0	ug/kg	
75-09-2	Methylene chloride	6.4	6.2	0.28	ug/kg	
100-42-5	Styrene	ND	6.2	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.2	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.65	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.22	ug/kg	
	m,p-Xylene	ND	2.5	0.58	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.58	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	109%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F83475.D	1	09/14/09	NAP	09/02/09	OP39730	EF3949
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	31	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	30	13	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		30-109%
4165-62-2	Phenol-d5	75%		28-108%
118-79-6	2,4,6-Tribromophenol	96%		28-125%
4165-60-0	Nitrobenzene-d5	90%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB05-4'-8'		
Lab Sample ID:	JA26923-16	**Date Sampled:**	09/01/09
Matrix:	SO - Soil	**Date Received:**	09/01/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	83%		38-107%
1718-51-0	Terphenyl-d14	82%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G48467.D	1	09/16/09	OPM	09/02/09	OP39731	G1G1767
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		28-138%
877-09-8	Tetrachloro-m-xylene	80%		28-138%
2051-24-3	Decachlorobiphenyl	71%		22-156%
2051-24-3	Decachlorobiphenyl	93%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16 **Date Sampled:** 09/01/09
Matrix: SO - Soil **Date Received:** 09/01/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85457.D	1	09/09/09	VDT	09/02/09	OP39732	GEF3817
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		33-141%
877-09-8	Tetrachloro-m-xylene	82%		33-141%
2051-24-3	Decachlorobiphenyl	95%		32-154%
2051-24-3	Decachlorobiphenyl	91%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB05-4'-8'
Lab Sample ID: JA26923-16
Matrix: SO - Soil
Date Sampled: 09/01/09
Date Received: 09/01/09
Percent Solids: 96.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	< 2.2	2.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.54	0.54	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.54	0.54	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.2	1.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	3.4	2.7	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	2.5	2.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.031	0.031	mg/kg	1	09/10/09	09/10/09	TG	SW846 7471A [1]	SW846 7471A [5]
Nickel	< 4.3	4.3	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/08/09	09/12/09	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc	14.0	2.2	mg/kg	1	09/08/09	09/11/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23092
(2) Instrument QC Batch: MA23097
(3) Instrument QC Batch: MA23108
(4) Prep QC Batch: MP49541
(5) Prep QC Batch: MP49569

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B01-0'-4'
Lab Sample ID: JA27176-1 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 85.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54734.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.3	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.49	5.8	0.28	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
76-13-1	Freon 113	ND	5.8	0.66	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.61	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B01-0'-4'		
Lab Sample ID:	JA27176-1	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	85.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	0.96	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.95	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
100-42-5	Styrene	ND	5.8	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.22	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.62	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	ND	2.3	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		67-127%
17060-07-0	1,2-Dichloroethane-D4	119%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	87%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-0'-4'
Lab Sample ID: JA27176-1 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 85.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50958.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	35	ug/kg	
95-48-7	2-Methylphenol	ND	67	36	ug/kg	
	3&4-Methylphenol	ND	67	45	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	43	ug/kg	
87-86-5	Pentachlorophenol	ND	330	43	ug/kg	
108-95-2	Phenol	ND	67	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	44	ug/kg	
83-32-9	Acenaphthene	22.7	33	18	ug/kg	J
208-96-8	Acenaphthylene	82.8	33	14	ug/kg	
98-86-2	Acetophenone	ND	170	16	ug/kg	
120-12-7	Anthracene	112	33	15	ug/kg	
1912-24-9	Atrazine	ND	170	21	ug/kg	
56-55-3	Benzo(a)anthracene	271	33	20	ug/kg	
50-32-8	Benzo(a)pyrene	598	33	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	615	33	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	399	33	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	241	33	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	98	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	18.1	67	14	ug/kg	J
105-60-2	Caprolactam	ND	67	27	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B01-0'-4'		
Lab Sample ID:	JA27176-1	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	85.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	355	33	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	22	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	58	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	118	33	16	ug/kg	
132-64-9	Dibenzofuran	18.3	67	16	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	67	21	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	15	ug/kg	
84-66-2	Diethyl phthalate	ND	67	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	17	ug/kg	
206-44-0	Fluoranthene	423	33	15	ug/kg	
86-73-7	Fluorene	27.2	33	16	ug/kg	J
118-74-1	Hexachlorobenzene	ND	67	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	32	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	419	33	12	ug/kg	
78-59-1	Isophorone	ND	67	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	21	ug/kg	
91-20-3	Naphthalene	ND	33	15	ug/kg	
98-95-3	Nitrobenzene	ND	67	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	95.9	33	16	ug/kg	
129-00-0	Pyrene	508	33	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	73%		28-108%
118-79-6	2,4,6-Tribromophenol	89%		28-125%
4165-60-0	Nitrobenzene-d5	74%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B01-0'-4'		
Lab Sample ID:	JA27176-1	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	85.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-0'-4'
Lab Sample ID: JA27176-1 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 85.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40043.D	1	09/14/09	OYA	09/05/09	OP39803	G3G1496
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.61	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.66	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
5103-71-9	alpha-Chlordane [a]	3.9	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane [a]	3.1	1.4	0.53	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.59	ug/kg	
72-55-9	4,4'-DDE	1.8	1.4	0.47	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.57	ug/kg	
72-20-8	Endrin	ND	1.4	0.47	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.64	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		28-138%
877-09-8	Tetrachloro-m-xylene	86%		28-138%
2051-24-3	Decachlorobiphenyl	100%		22-156%
2051-24-3	Decachlorobiphenyl	105%		22-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-0'-4'
Lab Sample ID: JA27176-1 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 85.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85591.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	23	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.8	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.6	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		33-141%
877-09-8	Tetrachloro-m-xylene	87%		33-141%
2051-24-3	Decachlorobiphenyl	81%		32-154%
2051-24-3	Decachlorobiphenyl	97%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-0'-4'
Lab Sample ID: JA27176-1 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 85.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	2.9	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.60	0.60	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.60	0.60	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	13.3	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	9.8	3.0	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	17.7	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.059	0.036	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	7.6	4.8	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	72.5	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54735.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.2	ug/kg	
67-66-3	Chloroform	ND	5.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.4	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
76-13-1	Freon 113	ND	5.4	0.61	ug/kg	
591-78-6	2-Hexanone	ND	5.4	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	0.56	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B01-4'-8'		
Lab Sample ID:	JA27176-2	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	95.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.4	0.89	ug/kg	
108-87-2	Methylcyclohexane	ND	5.4	0.71	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.88	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
	m,p-Xylene	ND	2.2	0.51	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	86%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50943.D	1	09/16/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	600	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	32	ug/kg	
95-48-7	2-Methylphenol	ND	60	32	ug/kg	
	3&4-Methylphenol	ND	60	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	60	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	60	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	60	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	60	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	60	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	60	13	ug/kg	
105-60-2	Caprolactam	ND	60	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	60	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	60	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	60	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	60	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	52	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	60	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	60	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	60	13	ug/kg	
84-66-2	Diethyl phthalate	ND	60	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	60	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	60	16	ug/kg	
206-44-0	Fluoranthene	ND	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	60	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	60	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	60	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	60	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	60	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		30-109%
4165-62-2	Phenol-d5	72%		28-108%
118-79-6	2,4,6-Tribromophenol	94%		28-125%
4165-60-0	Nitrobenzene-d5	71%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B01-4'-8'		
Lab Sample ID:	JA27176-2	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	95.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39914.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.55	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.38	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.48	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.47	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.47	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		28-138%
877-09-8	Tetrachloro-m-xylene	90%		28-138%
2051-24-3	Decachlorobiphenyl	81%		22-156%
2051-24-3	Decachlorobiphenyl	117%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85592.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	20	ug/kg	
11141-16-5	Aroclor 1232	ND	31	9.8	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	ND	31	6.1	ug/kg	
11097-69-1	Aroclor 1254	ND	31	7.7	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		33-141%
877-09-8	Tetrachloro-m-xylene	96%		33-141%
2051-24-3	Decachlorobiphenyl	95%		32-154%
2051-24-3	Decachlorobiphenyl	95%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B01-4'-8'
Lab Sample ID: JA27176-2 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 95.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.52	0.52	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.52	0.52	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	3.5	1.0	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	2.8	2.6	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.1	4.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	6.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B02-0'-4'
Lab Sample ID: JA27176-3 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 82.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54736.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.4	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
76-13-1	Freon 113	ND	6.3	0.71	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.65	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-0'-4'		
Lab Sample ID:	JA27176-3	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.3	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.29	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.22	ug/kg	
	m,p-Xylene	ND	2.5	0.59	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.59	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		67-127%
17060-07-0	1,2-Dichloroethane-D4	117%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	85%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-0'-4'
Lab Sample ID: JA27176-3 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 82.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50957.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	37	ug/kg	
	3&4-Methylphenol	ND	69	46	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	44	ug/kg	
87-86-5	Pentachlorophenol	ND	340	44	ug/kg	
108-95-2	Phenol	ND	69	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	46	ug/kg	
83-32-9	Acenaphthene	ND	34	18	ug/kg	
208-96-8	Acenaphthylene	ND	34	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	34	15	ug/kg	
1912-24-9	Atrazine	ND	170	22	ug/kg	
56-55-3	Benzo(a)anthracene	26.1	34	21	ug/kg	J
50-32-8	Benzo(a)pyrene	26.8	34	14	ug/kg	J
205-99-2	Benzo(b)fluoranthene	40.7	34	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	19.2	34	17	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	34	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	69	15	ug/kg	
105-60-2	Caprolactam	ND	69	28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-0'-4'		
Lab Sample ID:	JA27176-3	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	82.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	36.0	34	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	60	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	16	ug/kg	
132-64-9	Dibenzofuran	ND	69	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	22	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	15	ug/kg	
84-66-2	Diethyl phthalate	ND	69	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	652	69	18	ug/kg	
206-44-0	Fluoranthene	62.1	34	16	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	33	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	20.4	34	13	ug/kg	J
78-59-1	Isophorone	ND	69	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	22	ug/kg	
91-20-3	Naphthalene	ND	34	15	ug/kg	
98-95-3	Nitrobenzene	ND	69	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	22.8	34	17	ug/kg	J
129-00-0	Pyrene	40.6	34	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	76%		28-108%
118-79-6	2,4,6-Tribromophenol	104%		28-125%
4165-60-0	Nitrobenzene-d5	74%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-0'-4'		
Lab Sample ID:	JA27176-3	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	82.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-0'-4'
Lab Sample ID: JA27176-3 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 82.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39915.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.66	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		28-138%
877-09-8	Tetrachloro-m-xylene	58%		28-138%
2051-24-3	Decachlorobiphenyl	67%		22-156%
2051-24-3	Decachlorobiphenyl	84%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-0'-4'
Lab Sample ID: JA27176-3 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 82.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85593.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		33-141%
877-09-8	Tetrachloro-m-xylene	62%		33-141%
2051-24-3	Decachlorobiphenyl	76%		32-154%
2051-24-3	Decachlorobiphenyl	76%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-0'-4'
Lab Sample ID: JA27176-3
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 82.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	3.9	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.59	0.59	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	10.0	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	7.5	3.0	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	5.2	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.040	0.040	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	7.8	4.7	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	32.7	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B02-4'-8'
Lab Sample ID: JA27176-4 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 98.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54737.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.27	ug/kg	
75-25-2	Bromoform	ND	5.3	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	0.32	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.36	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.2	ug/kg	
67-66-3	Chloroform	ND	5.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.17	ug/kg	
110-82-7	Cyclohexane	ND	5.3	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.3	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.3	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.3	0.36	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.39	ug/kg	
76-13-1	Freon 113	ND	5.3	0.60	ug/kg	
591-78-6	2-Hexanone	ND	5.3	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	0.55	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-4'-8'		
Lab Sample ID:	JA27176-4	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	98.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.3	0.87	ug/kg	
108-87-2	Methylcyclohexane	ND	5.3	0.69	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	0.86	ug/kg	
75-09-2	Methylene chloride	ND	5.3	0.24	ug/kg	
100-42-5	Styrene	ND	5.3	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.15	ug/kg	
108-88-3	Toluene	ND	1.1	0.31	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.3	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.24	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	0.19	ug/kg	
	m,p-Xylene	ND	2.1	0.50	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	85%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-4'-8'
Lab Sample ID: JA27176-4 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 98.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50944.D	1	09/16/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	310	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	31	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	37	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	12	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-4'-8'		
Lab Sample ID:	JA27176-4	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	98.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	27	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-109%
4165-62-2	Phenol-d5	69%		28-108%
118-79-6	2,4,6-Tribromophenol	92%		28-125%
4165-60-0	Nitrobenzene-d5	73%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B02-4'-8'		
Lab Sample ID:	JA27176-4	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	98.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-4'-8'
Lab Sample ID: JA27176-4 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 98.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39916.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.36	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		28-138%
877-09-8	Tetrachloro-m-xylene	72%		28-138%
2051-24-3	Decachlorobiphenyl	74%		22-156%
2051-24-3	Decachlorobiphenyl	109%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-4'-8'
Lab Sample ID: JA27176-4 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 98.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85594.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		33-141%
877-09-8	Tetrachloro-m-xylene	78%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B02-4'-8'
Lab Sample ID: JA27176-4
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 98.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	1.9	1.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	3.0	2.6	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.030	0.030	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.2	4.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	6.3	2.1	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B03-0'-4'
Lab Sample ID: JA27176-5 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 88.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54738.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.3	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
76-13-1	Freon 113	ND	5.8	0.65	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-0'-4'		
Lab Sample ID:	JA27176-5	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	0.95	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.94	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	ND	2.3	0.54	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	122%		67-127%
17060-07-0	1,2-Dichloroethane-D4	119%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	82%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-0'-4'
Lab Sample ID: JA27176-5 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 88.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50945.D	1	09/16/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	27	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	34	ug/kg	
95-48-7	2-Methylphenol	ND	65	35	ug/kg	
	3&4-Methylphenol	ND	65	44	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	42	ug/kg	
87-86-5	Pentachlorophenol	ND	320	42	ug/kg	
108-95-2	Phenol	ND	65	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	43	ug/kg	
83-32-9	Acenaphthene	ND	32	17	ug/kg	
208-96-8	Acenaphthylene	ND	32	14	ug/kg	
98-86-2	Acetophenone	ND	160	16	ug/kg	
120-12-7	Anthracene	ND	32	15	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	20	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	65	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	95	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	65	14	ug/kg	
105-60-2	Caprolactam	ND	65	26	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-0'-4'		
Lab Sample ID:	JA27176-5	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	88.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	32	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	22	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	56	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	15	ug/kg	
132-64-9	Dibenzofuran	ND	65	15	ug/kg	
84-74-2	Di-n-butyl phthalate	68.9	65	20	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	14	ug/kg	
84-66-2	Diethyl phthalate	ND	65	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	17	ug/kg	
206-44-0	Fluoranthene	ND	32	15	ug/kg	
86-73-7	Fluorene	ND	32	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	31	ug/kg	
67-72-1	Hexachloroethane	ND	160	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	12	ug/kg	
78-59-1	Isophorone	ND	65	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	15	ug/kg	
88-74-4	2-Nitroaniline	ND	160	24	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	32	14	ug/kg	
98-95-3	Nitrobenzene	ND	65	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	22	ug/kg	
85-01-8	Phenanthrene	ND	32	16	ug/kg	
129-00-0	Pyrene	ND	32	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	72%		28-108%
118-79-6	2,4,6-Tribromophenol	99%		28-125%
4165-60-0	Nitrobenzene-d5	72%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-0'-4'		
Lab Sample ID:	JA27176-5	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	88.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-0'-4'
Lab Sample ID: JA27176-5 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 88.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39917.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.59	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.45	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.52	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.57	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.56	ug/kg	
72-20-8	Endrin	ND	1.3	0.46	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.62	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.51	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.47	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		28-138%
877-09-8	Tetrachloro-m-xylene	69%		28-138%
2051-24-3	Decachlorobiphenyl	85%		22-156%
2051-24-3	Decachlorobiphenyl	119%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-0'-4'
Lab Sample ID: JA27176-5 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 88.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85595.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.6	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.4	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		33-141%
877-09-8	Tetrachloro-m-xylene	64%		33-141%
2051-24-3	Decachlorobiphenyl	99%		32-154%
2051-24-3	Decachlorobiphenyl	97%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-0'-4'
Lab Sample ID: JA27176-5
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 88.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.59	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.59	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Chromium	12.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Copper	7.9	3.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Lead	6.1	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [5]
Nickel	9.3	4.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	GT	SW846 6010B [3]	SW846 3050B [4]
Zinc	21.2	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Instrument QC Batch: MA23124
(4) Prep QC Batch: MP49620
(5) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B03-4'-8'
Lab Sample ID: JA27176-6 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54739.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.27	ug/kg	
75-25-2	Bromoform	ND	5.3	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	0.32	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.36	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.2	ug/kg	
67-66-3	Chloroform	ND	5.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.3	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.58	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.3	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.3	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.3	0.36	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.39	ug/kg	
76-13-1	Freon 113	ND	5.3	0.60	ug/kg	
591-78-6	2-Hexanone	ND	5.3	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	0.55	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-4'-8'		
Lab Sample ID:	JA27176-6	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.3	0.87	ug/kg	
108-87-2	Methylcyclohexane	ND	5.3	0.70	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	0.86	ug/kg	
75-09-2	Methylene chloride	ND	5.3	0.24	ug/kg	
100-42-5	Styrene	ND	5.3	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.15	ug/kg	
108-88-3	Toluene	ND	1.1	0.31	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.3	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.24	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	0.19	ug/kg	
	m,p-Xylene	ND	2.1	0.50	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	122%		67-127%
17060-07-0	1,2-Dichloroethane-D4	118%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	85%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-4'-8'
Lab Sample ID: JA27176-6 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50946.D	1	09/16/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	310	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	31	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-4'-8'		
Lab Sample ID:	JA27176-6	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	52.3	58	18	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-109%
4165-62-2	Phenol-d5	69%		28-108%
118-79-6	2,4,6-Tribromophenol	91%		28-125%
4165-60-0	Nitrobenzene-d5	73%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B03-4'-8'		
Lab Sample ID:	JA27176-6	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	79%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-4'-8'
Lab Sample ID: JA27176-6 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39918.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		28-138%
877-09-8	Tetrachloro-m-xylene	81%		28-138%
2051-24-3	Decachlorobiphenyl	80%		22-156%
2051-24-3	Decachlorobiphenyl	102%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-4'-8'
Lab Sample ID: JA27176-6 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85596.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.6	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		33-141%
877-09-8	Tetrachloro-m-xylene	87%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B03-4'-8'
Lab Sample ID: JA27176-6
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Chromium	13.3	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Copper	5.0	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Lead	4.0	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.031	0.031	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [5]
Nickel	< 4.3	4.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Selenium	2.2	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	GT	SW846 6010B [3]	SW846 3050B [4]
Zinc	9.5	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Instrument QC Batch: MA23124
(4) Prep QC Batch: MP49620
(5) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B04-0'-4'
Lab Sample ID: JA27176-7 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 93.4
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54740.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.3	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.8	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
76-13-1	Freon 113	ND	5.8	0.65	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-0'-4'		
Lab Sample ID:	JA27176-7	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	93.4
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.8	0.96	ug/kg	
108-87-2	Methylcyclohexane	ND	5.8	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.94	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	0.44	1.2	0.34	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.22	ug/kg	
79-01-6	Trichloroethene	1.6	5.8	0.61	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	5.8	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	ND	2.3	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	125%		67-127%
17060-07-0	1,2-Dichloroethane-D4	122%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	84%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-0'-4'
Lab Sample ID: JA27176-7 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 93.4
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50961.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	610	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	32	ug/kg	
95-48-7	2-Methylphenol	ND	61	33	ug/kg	
	3&4-Methylphenol	ND	61	41	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	310	39	ug/kg	
87-86-5	Pentachlorophenol	ND	310	39	ug/kg	
108-95-2	Phenol	ND	61	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	41	ug/kg	
83-32-9	Acenaphthene	ND	31	16	ug/kg	
208-96-8	Acenaphthylene	ND	31	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	31	14	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	31	19	ug/kg	
50-32-8	Benzo(a)pyrene	20.6	31	13	ug/kg	J
205-99-2	Benzo(b)fluoranthene	20.9	31	17	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	61	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	61	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	61	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	61	14	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	61	13	ug/kg	
105-60-2	Caprolactam	ND	61	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-0'-4'		
Lab Sample ID:	JA27176-7	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	93.4
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	16.7	31	14	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	61	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	61	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	61	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	61	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	61	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	61	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	53	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	15	ug/kg	
132-64-9	Dibenzofuran	ND	61	14	ug/kg	
84-74-2	Di-n-butyl phthalate	78.9	61	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	61	14	ug/kg	
84-66-2	Diethyl phthalate	ND	61	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	61	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	61	16	ug/kg	
206-44-0	Fluoranthene	37.2	31	14	ug/kg	
86-73-7	Fluorene	ND	31	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	61	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	29	ug/kg	
67-72-1	Hexachloroethane	ND	150	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	31	11	ug/kg	
78-59-1	Isophorone	ND	61	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	61	14	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	31	13	ug/kg	
98-95-3	Nitrobenzene	ND	61	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	61	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	21	ug/kg	
85-01-8	Phenanthrene	ND	31	15	ug/kg	
129-00-0	Pyrene	30.2	31	13	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-109%
4165-62-2	Phenol-d5	67%		28-108%
118-79-6	2,4,6-Tribromophenol	79%		28-125%
4165-60-0	Nitrobenzene-d5	70%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-0'-4'		
Lab Sample ID:	JA27176-7	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	93.4
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-0'-4'
Lab Sample ID: JA27176-7 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 93.4
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40044.D	1	09/14/09	OYA	09/05/09	OP39803	G3G1496
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.56	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.38	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.60	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.42	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.49	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.42	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.53	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.43	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.52	ug/kg	
72-20-8	Endrin	ND	1.2	0.43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.47	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.58	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.47	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.44	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	33%		28-138%
877-09-8	Tetrachloro-m-xylene	32%		28-138%
2051-24-3	Decachlorobiphenyl	31%		22-156%
2051-24-3	Decachlorobiphenyl	35%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-0'-4'
Lab Sample ID: JA27176-7 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 93.4
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85599.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	21	ug/kg	
11141-16-5	Aroclor 1232	ND	31	10	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	342	31	6.2	ug/kg	
11097-69-1	Aroclor 1254	119	31	7.8	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	36%		33-141%
877-09-8	Tetrachloro-m-xylene	33%		33-141%
2051-24-3	Decachlorobiphenyl	38%		32-154%
2051-24-3	Decachlorobiphenyl	39%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-0'-4'
Lab Sample ID: JA27176-7
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 93.4
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.55	0.55	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	9.3	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	13.4	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	9.1	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	5.9	4.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	25.9	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B04-4'-8'
Lab Sample ID: JA27176-8 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 92.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54771.D	1	09/16/09	NDJ	n/a	n/a	V3C2397
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-4'-8'		
Lab Sample ID:	JA27176-8	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	92.7
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.89	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.25	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	0.41	1.1	0.32	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	0.73	5.5	0.58	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	ND	2.2	0.52	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	96%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-4'-8'
Lab Sample ID: JA27176-8 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 92.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50970.D	1	09/17/09	VN	09/04/09	OP39784	EZ1859
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	33	ug/kg	
95-48-7	2-Methylphenol	ND	62	33	ug/kg	
	3&4-Methylphenol	ND	62	41	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	310	39	ug/kg	
87-86-5	Pentachlorophenol	ND	310	40	ug/kg	
108-95-2	Phenol	ND	62	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	41	ug/kg	
83-32-9	Acenaphthene	ND	31	16	ug/kg	
208-96-8	Acenaphthylene	ND	31	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	31	14	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	70.1	31	19	ug/kg	
50-32-8	Benzo(a)pyrene	61.6	31	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	90.2	31	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	38.3	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	32.1	31	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	62	16	ug/kg	
100-52-7	Benzaldehyde	ND	150	90	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	14	ug/kg	
106-47-8	4-Chloroaniline	ND	150	13	ug/kg	
86-74-8	Carbazole	ND	62	13	ug/kg	
105-60-2	Caprolactam	ND	62	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-4'-8'		
Lab Sample ID:	JA27176-8	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.7
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	73.5	31	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	53	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15.7	31	15	ug/kg	J
132-64-9	Dibenzofuran	ND	62	14	ug/kg	
84-74-2	Di-n-butyl phthalate	71.6	62	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	62	14	ug/kg	
84-66-2	Diethyl phthalate	ND	62	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	104	62	16	ug/kg	
206-44-0	Fluoranthene	139	31	14	ug/kg	
86-73-7	Fluorene	ND	31	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	29	ug/kg	
67-72-1	Hexachloroethane	ND	150	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	41.4	31	11	ug/kg	
78-59-1	Isophorone	ND	62	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	62	14	ug/kg	
88-74-4	2-Nitroaniline	ND	150	23	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	31	13	ug/kg	
98-95-3	Nitrobenzene	ND	62	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	21	ug/kg	
85-01-8	Phenanthrene	37.4	31	15	ug/kg	
129-00-0	Pyrene	101	31	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-109%
4165-62-2	Phenol-d5	67%		28-108%
118-79-6	2,4,6-Tribromophenol	102%		28-125%
4165-60-0	Nitrobenzene-d5	73%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B04-4' -8'		
Lab Sample ID:	JA27176-8	**Date Sampled:**	09/02/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.7
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-4'-8'
Lab Sample ID: JA27176-8 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 92.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40045.D	1	09/14/09	OYA	09/05/09	OP39803	G3G1496
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.56	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.39	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.61	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.39	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.42	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.49	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.42	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.54	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.43	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.53	ug/kg	
72-20-8	Endrin	ND	1.3	0.43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.48	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.59	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.48	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.44	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		28-138%
877-09-8	Tetrachloro-m-xylene	95%		28-138%
2051-24-3	Decachlorobiphenyl	84%		22-156%
2051-24-3	Decachlorobiphenyl	93%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-4'-8'
Lab Sample ID: JA27176-8 **Date Sampled:** 09/02/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 92.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85600.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	21	ug/kg	
11141-16-5	Aroclor 1232	ND	31	10	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	1020	31	6.2	ug/kg	
11097-69-1	Aroclor 1254	365	31	7.9	ug/kg	
11096-82-5	Aroclor 1260	43.2	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		33-141%
877-09-8	Tetrachloro-m-xylene	107%		33-141%
2051-24-3	Decachlorobiphenyl	104%		32-154%
2051-24-3	Decachlorobiphenyl	108%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B04-4'-8'
Lab Sample ID: JA27176-8
Matrix: SO - Soil
Date Sampled: 09/02/09
Date Received: 09/03/09
Percent Solids: 92.7
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Arsenic	3.1	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.54	0.54	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.54	0.54	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Chromium	10.3	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Copper	8.5	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Lead	7.6	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.035	0.035	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [5]
Nickel	13.7	4.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	GT	SW846 6010B [3]	SW846 3050B [4]
Zinc	44.3	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Instrument QC Batch: MA23124
(4) Prep QC Batch: MP49620
(5) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54772.D	1	09/16/09	NDJ	n/a	n/a	V3C2397
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	42.4	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.27	5.5	0.26	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B05-0'-4'		
Lab Sample ID:	JA27176-9	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.90	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.25	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	ND	2.2	0.52	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	96%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50968.D	1	09/17/09	VN	09/04/09	OP39784	EZ1859
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	33	ug/kg	
95-48-7	2-Methylphenol	ND	62	33	ug/kg	
	3&4-Methylphenol	ND	62	42	ug/kg	
88-75-5	2-Nitrophenol	ND	150	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	40	ug/kg	
87-86-5	Pentachlorophenol	ND	310	40	ug/kg	
108-95-2	Phenol	ND	62	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	41	ug/kg	
83-32-9	Acenaphthene	ND	31	16	ug/kg	
208-96-8	Acenaphthylene	46.0	31	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	75.1	31	14	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	140	31	19	ug/kg	
50-32-8	Benzo(a)pyrene	121	31	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	119	31	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	105	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	42.5	31	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	15	ug/kg	
92-52-4	1,1'-Biphenyl	19.9	62	16	ug/kg	J
100-52-7	Benzaldehyde	ND	150	90	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	14	ug/kg	
106-47-8	4-Chloroaniline	ND	150	13	ug/kg	
86-74-8	Carbazole	ND	62	13	ug/kg	
105-60-2	Caprolactam	ND	62	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	163	31	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	54	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	32.2	31	15	ug/kg	
132-64-9	Dibenzofuran	ND	62	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	62	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	62	14	ug/kg	
84-66-2	Diethyl phthalate	ND	62	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	58.5	62	16	ug/kg	J
206-44-0	Fluoranthene	199	31	14	ug/kg	
86-73-7	Fluorene	58.1	31	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	29	ug/kg	
67-72-1	Hexachloroethane	ND	150	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	83.3	31	11	ug/kg	
78-59-1	Isophorone	ND	62	27	ug/kg	
91-57-6	2-Methylnaphthalene	106	62	14	ug/kg	
88-74-4	2-Nitroaniline	ND	150	23	ug/kg	
99-09-2	3-Nitroaniline	ND	150	13	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	66.1	31	13	ug/kg	
98-95-3	Nitrobenzene	ND	62	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	21	ug/kg	
85-01-8	Phenanthrene	296	31	15	ug/kg	
129-00-0	Pyrene	350	31	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-109%
4165-62-2	Phenol-d5	68%		28-108%
118-79-6	2,4,6-Tribromophenol	87%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B05-0'-4'		
Lab Sample ID:	JA27176-9	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		38-107%
1718-51-0	Terphenyl-d14	85%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40087.D	1	09/15/09	TDR	09/05/09	OP39803	G3G1497
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.56	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.39	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.61	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.39	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.42	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.49	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.42	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.54	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.43	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.53	ug/kg	
72-20-8	Endrin	ND	1.3	0.43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.48	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.59	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.48	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.44	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		28-138%
877-09-8	Tetrachloro-m-xylene	76%		28-138%
2051-24-3	Decachlorobiphenyl	69%		22-156%
2051-24-3	Decachlorobiphenyl	76%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85601.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	21	ug/kg	
11141-16-5	Aroclor 1232	ND	31	10	ug/kg	
53469-21-9	Aroclor 1242	206	31	11	ug/kg	
12672-29-6	Aroclor 1248	ND	31	6.2	ug/kg	
11097-69-1	Aroclor 1254	85.1	31	7.9	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		33-141%
877-09-8	Tetrachloro-m-xylene	81%		33-141%
2051-24-3	Decachlorobiphenyl	79%		32-154%
2051-24-3	Decachlorobiphenyl	84%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-0'-4'
Lab Sample ID: JA27176-9
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 92.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	5.3	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	15.5	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	15.0	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	17.6	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.19	0.034	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	5.1	4.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	23.6	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B05-4'-8'
Lab Sample ID: JA27176-10 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 97.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54733.D	1	09/15/09	NDJ	n/a	n/a	V3C2395
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.9	2.2	ug/kg	
71-43-2	Benzene	ND	0.99	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	0.25	ug/kg	
75-25-2	Bromoform	ND	4.9	0.15	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.9	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	0.30	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.34	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.1	ug/kg	
67-66-3	Chloroform	ND	4.9	0.31	ug/kg	
74-87-3	Chloromethane	ND	4.9	0.16	ug/kg	
110-82-7	Cyclohexane	ND	4.9	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	9.9	0.53	ug/kg	
124-48-1	Dibromochloromethane	ND	4.9	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.99	0.14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.33	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.93	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.99	0.34	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.9	0.65	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.9	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.9	0.44	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.095	ug/kg	
100-41-4	Ethylbenzene	ND	0.99	0.37	ug/kg	
76-13-1	Freon 113	ND	4.9	0.56	ug/kg	
591-78-6	2-Hexanone	ND	4.9	0.95	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	0.51	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B05-4'-8'		
Lab Sample ID:	JA27176-10	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	97.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	4.9	0.81	ug/kg	
108-87-2	Methylcyclohexane	ND	4.9	0.65	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.99	0.28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	0.80	ug/kg	
75-09-2	Methylene chloride	ND	4.9	0.22	ug/kg	
100-42-5	Styrene	ND	4.9	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	4.9	0.14	ug/kg	
108-88-3	Toluene	ND	0.99	0.29	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.34	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.18	ug/kg	
79-01-6	Trichloroethene	ND	4.9	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.23	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	0.18	ug/kg	
	m,p-Xylene	ND	2.0	0.46	ug/kg	
95-47-6	o-Xylene	ND	0.99	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	99%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	86%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-4'-8'
Lab Sample ID: JA27176-10 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 97.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50947.D	1	09/16/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	590	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	31	ug/kg	
95-48-7	2-Methylphenol	ND	59	32	ug/kg	
	3&4-Methylphenol	ND	59	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	38	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	59	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	16	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	59	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	59	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	59	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	59	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	59	13	ug/kg	
105-60-2	Caprolactam	ND	59	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B05-4'-8'		
Lab Sample ID:	JA27176-10	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	97.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	59	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	59	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	59	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	59	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	59	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	59	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	59	13	ug/kg	
84-66-2	Diethyl phthalate	ND	59	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	59	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	59	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	59	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	59	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	65%		28-108%
118-79-6	2,4,6-Tribromophenol	86%		28-125%
4165-60-0	Nitrobenzene-d5	66%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B05-4'-8'		
Lab Sample ID:	JA27176-10	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	97.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-4'-8'
Lab Sample ID: JA27176-10 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 97.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39910.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		28-138%
877-09-8	Tetrachloro-m-xylene	69%		28-138%
2051-24-3	Decachlorobiphenyl	74%		22-156%
2051-24-3	Decachlorobiphenyl	90%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-4'-8'
Lab Sample ID: JA27176-10 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 97.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85602.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		33-141%
877-09-8	Tetrachloro-m-xylene	76%		33-141%
2051-24-3	Decachlorobiphenyl	89%		32-154%
2051-24-3	Decachlorobiphenyl	89%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B05-4'-8'
Lab Sample ID: JA27176-10
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 97.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.50	0.50	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.50	0.50	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	3.9	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	3.2	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	2.7	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.064	0.033	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.0	4.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	11.9	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49634

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B06-0'-4'
Lab Sample ID: JA27176-11 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C54773.D	1	09/16/09	NDJ	n/a	n/a	V3C2397
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.37	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.4	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
76-13-1	Freon 113	ND	6.0	0.67	ug/kg	
591-78-6	2-Hexanone	ND	6.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-0'-4'		
Lab Sample ID:	JA27176-11	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	0.99	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
	m,p-Xylene	ND	2.4	0.56	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	89%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-0'-4'
Lab Sample ID: JA27176-11 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50948.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	36	ug/kg	
95-48-7	2-Methylphenol	ND	69	37	ug/kg	
	3&4-Methylphenol	ND	69	46	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	44	ug/kg	
87-86-5	Pentachlorophenol	ND	340	44	ug/kg	
108-95-2	Phenol	ND	69	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	46	ug/kg	
83-32-9	Acenaphthene	ND	34	18	ug/kg	
208-96-8	Acenaphthylene	ND	34	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	34	15	ug/kg	
1912-24-9	Atrazine	ND	170	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	69	15	ug/kg	
105-60-2	Caprolactam	ND	69	27	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-0'-4'		
Lab Sample ID:	JA27176-11	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	83.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	59	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	16	ug/kg	
132-64-9	Dibenzofuran	ND	69	16	ug/kg	
84-74-2	Di-n-butyl phthalate	38.7	69	21	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	69	15	ug/kg	
84-66-2	Diethyl phthalate	ND	69	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	18	ug/kg	
206-44-0	Fluoranthene	ND	34	16	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	32	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	13	ug/kg	
78-59-1	Isophorone	ND	69	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	21	ug/kg	
91-20-3	Naphthalene	ND	34	15	ug/kg	
98-95-3	Nitrobenzene	ND	69	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	ND	34	17	ug/kg	
129-00-0	Pyrene	ND	34	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-109%
4165-62-2	Phenol-d5	67%		28-108%
118-79-6	2,4,6-Tribromophenol	93%		28-125%
4165-60-0	Nitrobenzene-d5	68%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-0'-4'		
Lab Sample ID:	JA27176-11	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	83.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		38-107%
1718-51-0	Terphenyl-d14	70%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-0'-4'
Lab Sample ID: JA27176-11 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39909.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.66	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		28-138%
877-09-8	Tetrachloro-m-xylene	84%		28-138%
2051-24-3	Decachlorobiphenyl	88%		22-156%
2051-24-3	Decachlorobiphenyl	98%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-0'-4'
Lab Sample ID: JA27176-11 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85603.D	1	09/14/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		33-141%
877-09-8	Tetrachloro-m-xylene	88%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	99%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-0'-4'
Lab Sample ID: JA27176-11
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 83.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	9.1	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	6.9	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.59	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	1.9	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	27.9	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	86.6	3.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	200	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.037	0.037	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	13.4	4.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	136	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B06-4'-8'
Lab Sample ID: JA27176-12 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 82.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94640.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	0.33	ug/kg	
75-25-2	Bromoform	ND	6.4	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	0.39	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	0.71	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.4	1.4	ug/kg	
67-66-3	Chloroform	ND	6.4	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.4	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.4	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.4	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.4	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.4	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.4	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.4	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.4	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
76-13-1	Freon 113	3.6	6.4	0.71	ug/kg	J
591-78-6	2-Hexanone	ND	6.4	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	0.66	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-4'-8'		
Lab Sample ID:	JA27176-12	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	82.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.4	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.4	0.83	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.4	0.28	ug/kg	
100-42-5	Styrene	ND	6.4	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.4	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.4	0.67	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.29	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	0.23	ug/kg	
	m,p-Xylene	ND	2.5	0.60	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	78%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-4'-8'
Lab Sample ID: JA27176-12 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 82.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50949.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	38	ug/kg	
	3&4-Methylphenol	ND	70	47	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	45	ug/kg	
87-86-5	Pentachlorophenol	ND	350	45	ug/kg	
108-95-2	Phenol	ND	70	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	46	ug/kg	
83-32-9	Acenaphthene	ND	35	18	ug/kg	
208-96-8	Acenaphthylene	ND	35	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	35	16	ug/kg	
1912-24-9	Atrazine	ND	170	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	18	ug/kg	
100-52-7	Benzaldehyde	ND	170	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	70	15	ug/kg	
105-60-2	Caprolactam	ND	70	28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-4'-8'		
Lab Sample ID:	JA27176-12	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	82.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	60	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	17	ug/kg	
132-64-9	Dibenzofuran	ND	70	16	ug/kg	
84-74-2	Di-n-butyl phthalate	44.3	70	22	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	70	15	ug/kg	
84-66-2	Diethyl phthalate	ND	70	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	18	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	33	ug/kg	
67-72-1	Hexachloroethane	ND	170	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	13	ug/kg	
78-59-1	Isophorone	ND	70	31	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	16	ug/kg	
88-74-4	2-Nitroaniline	ND	170	26	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	22	ug/kg	
91-20-3	Naphthalene	ND	35	15	ug/kg	
98-95-3	Nitrobenzene	ND	70	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	24	ug/kg	
85-01-8	Phenanthrene	ND	35	17	ug/kg	
129-00-0	Pyrene	ND	35	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	65%		28-108%
118-79-6	2,4,6-Tribromophenol	84%		28-125%
4165-60-0	Nitrobenzene-d5	67%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-4'-8'		
Lab Sample ID:	JA27176-12	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	82.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	74%		38-107%
1718-51-0	Terphenyl-d14	62%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B06-4'-8'		
Lab Sample ID:	JA27176-12	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	82.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40088.D	1	09/15/09	TDR	09/05/09	OP39803	G3G1497
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.69	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.66	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		28-138%
877-09-8	Tetrachloro-m-xylene	72%		28-138%
2051-24-3	Decachlorobiphenyl	64%		22-156%
2051-24-3	Decachlorobiphenyl	64%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-4'-8'
Lab Sample ID: JA27176-12 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 82.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85604.D	1	09/15/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		33-141%
877-09-8	Tetrachloro-m-xylene	113%		33-141%
2051-24-3	Decachlorobiphenyl	105%		32-154%
2051-24-3	Decachlorobiphenyl	105%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B06-4'-8'
Lab Sample ID: JA27176-12 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 82.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	5.3	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	5.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.60	0.60	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	1.2	0.60	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	15.8	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	56.7	3.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	120	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.075	0.040	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	7.5	4.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	77.2	2.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B07-0'-4'
Lab Sample ID: JA27176-13 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 90.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94641.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-0'-4'		
Lab Sample ID:	JA27176-13	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	90.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.73	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.34	1.1	0.31	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.90	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.25	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	0.93	1.1	0.32	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	1.1	2.2	0.52	ug/kg	J
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	1.4	2.2	0.52	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	76%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	67%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-0'-4'
Lab Sample ID: JA27176-13 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 90.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50950.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	34	ug/kg	
95-48-7	2-Methylphenol	ND	63	34	ug/kg	
	3&4-Methylphenol	ND	63	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	320	41	ug/kg	
87-86-5	Pentachlorophenol	ND	320	41	ug/kg	
108-95-2	Phenol	ND	63	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	42	ug/kg	
83-32-9	Acenaphthene	ND	32	17	ug/kg	
208-96-8	Acenaphthylene	ND	32	14	ug/kg	
98-86-2	Acetophenone	ND	160	16	ug/kg	
120-12-7	Anthracene	ND	32	14	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	19	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	63	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	63	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	92	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	63	13	ug/kg	
105-60-2	Caprolactam	ND	63	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-0'-4'		
Lab Sample ID:	JA27176-13	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	90.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	32	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	63	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	55	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	15	ug/kg	
132-64-9	Dibenzofuran	ND	63	15	ug/kg	
84-74-2	Di-n-butyl phthalate	50.7	63	20	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	63	14	ug/kg	
84-66-2	Diethyl phthalate	ND	63	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	63	17	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	30	ug/kg	
67-72-1	Hexachloroethane	ND	160	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	12	ug/kg	
78-59-1	Isophorone	ND	63	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	63	14	ug/kg	
88-74-4	2-Nitroaniline	ND	160	23	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	32	14	ug/kg	
98-95-3	Nitrobenzene	ND	63	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	21	ug/kg	
85-01-8	Phenanthrene	ND	32	16	ug/kg	
129-00-0	Pyrene	ND	32	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-109%
4165-62-2	Phenol-d5	66%		28-108%
118-79-6	2,4,6-Tribromophenol	93%		28-125%
4165-60-0	Nitrobenzene-d5	69%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-0'-4'		
Lab Sample ID:	JA27176-13	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	90.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-0'-4'		
Lab Sample ID:	JA27176-13	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	90.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G39908.D	1	09/09/09	TDR	09/05/09	OP39803	G3G1492
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.58	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.55	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.54	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.61	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.49	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		28-138%
877-09-8	Tetrachloro-m-xylene	84%		28-138%
2051-24-3	Decachlorobiphenyl	78%		22-156%
2051-24-3	Decachlorobiphenyl	97%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-0'-4'
Lab Sample ID: JA27176-13 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 90.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85605.D	1	09/15/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	12	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	12	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.4	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.2	ug/kg	
11096-82-5	Aroclor 1260	ND	32	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		33-141%
877-09-8	Tetrachloro-m-xylene	90%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	106%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-0'-4'
Lab Sample ID: JA27176-13
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 90.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	9.6	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	0.80	0.56	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	1.5	0.56	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	52.7	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	35.1	2.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	19.5	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.070	0.035	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	19.0	4.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	2.9	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	158	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IR3B07-4'-8'		
Lab Sample ID:	JA27176-14	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	81.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94698.D	1	09/17/09	JLI	n/a	n/a	VV3910
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	3.0	ug/kg	
71-43-2	Benzene	ND	1.4	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	0.35	ug/kg	
75-25-2	Bromoform	ND	6.8	0.21	ug/kg	
74-83-9	Bromomethane	ND	6.8	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	0.42	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.8	1.6	ug/kg	
67-66-3	Chloroform	ND	6.8	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.8	0.22	ug/kg	
110-82-7	Cyclohexane	ND	6.8	0.21	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.8	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.8	0.37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.8	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.8	0.90	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.8	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.8	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.51	ug/kg	
76-13-1	Freon 113	ND	6.8	0.77	ug/kg	
591-78-6	2-Hexanone	ND	6.8	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	0.71	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-4'-8'		
Lab Sample ID:	JA27176-14	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	81.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.8	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.8	0.89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.8	0.30	ug/kg	
100-42-5	Styrene	ND	6.8	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	6.8	0.20	ug/kg	
108-88-3	Toluene	ND	1.4	0.40	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.8	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	0.31	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	0.24	ug/kg	
	m,p-Xylene	ND	2.7	0.64	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	72%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-4'-8'
Lab Sample ID: JA27176-14 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 81.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50951.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	38	ug/kg	
	3&4-Methylphenol	ND	70	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	45	ug/kg	
87-86-5	Pentachlorophenol	ND	350	45	ug/kg	
108-95-2	Phenol	ND	70	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	47	ug/kg	
83-32-9	Acenaphthene	ND	35	18	ug/kg	
208-96-8	Acenaphthylene	ND	35	15	ug/kg	
98-86-2	Acetophenone	ND	180	17	ug/kg	
120-12-7	Anthracene	ND	35	16	ug/kg	
1912-24-9	Atrazine	ND	180	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	18	ug/kg	
100-52-7	Benzaldehyde	ND	180	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	14	ug/kg	
86-74-8	Carbazole	ND	70	15	ug/kg	
105-60-2	Caprolactam	ND	70	28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-4'-8'		
Lab Sample ID:	JA27176-14	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	81.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	61	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	17	ug/kg	
132-64-9	Dibenzofuran	ND	70	16	ug/kg	
84-74-2	Di-n-butyl phthalate	36.7	70	22	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	70	15	ug/kg	
84-66-2	Diethyl phthalate	ND	70	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	18	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	33	ug/kg	
67-72-1	Hexachloroethane	ND	180	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	13	ug/kg	
78-59-1	Isophorone	ND	70	31	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	16	ug/kg	
88-74-4	2-Nitroaniline	ND	180	26	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	22	ug/kg	
91-20-3	Naphthalene	ND	35	15	ug/kg	
98-95-3	Nitrobenzene	ND	70	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	24	ug/kg	
85-01-8	Phenanthrene	ND	35	17	ug/kg	
129-00-0	Pyrene	ND	35	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		30-109%
4165-62-2	Phenol-d5	63%		28-108%
118-79-6	2,4,6-Tribromophenol	86%		28-125%
4165-60-0	Nitrobenzene-d5	66%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B07-4' -8'		
Lab Sample ID:	JA27176-14	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	81.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	76%		38-107%
1718-51-0	Terphenyl-d14	71%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-4'-8'
Lab Sample ID: JA27176-14 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 81.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40053.D	1	09/14/09	OYA	09/12/09	OP39893	G3G1496
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		28-138%
877-09-8	Tetrachloro-m-xylene	61%		28-138%
2051-24-3	Decachlorobiphenyl	79%		22-156%
2051-24-3	Decachlorobiphenyl	100%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-4'-8'
Lab Sample ID: JA27176-14 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 81.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56845.D	1	09/17/09	TDR	09/12/09	OP39894	GOA2052
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.1	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.0	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		33-141%
877-09-8	Tetrachloro-m-xylene	66%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	99%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B07-4'-8'
Lab Sample ID: JA27176-14 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 81.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.59	0.59	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	2.0	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	< 2.9	2.9	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.085	0.040	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.7	4.7	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	4.6	2.4	mg/kg	1	09/15/09	09/15/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B08-0'-4'
Lab Sample ID: JA27176-15 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 92.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94643.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.6	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.30	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.43	ug/kg	
76-13-1	Freon 113	ND	5.7	0.65	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.60	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-0'-4'		
Lab Sample ID:	JA27176-15	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	92.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.95	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.75	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.93	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.26	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.17	ug/kg	
108-88-3	Toluene	0.36	1.1	0.34	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	0.83	5.7	0.60	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.54	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	77%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	67%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-0'-4'
Lab Sample ID: JA27176-15 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 92.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50969.D	1	09/17/09	VN	09/04/09	OP39784	EZ1859
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	33	ug/kg	
95-48-7	2-Methylphenol	ND	62	33	ug/kg	
	3&4-Methylphenol	ND	62	41	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	310	39	ug/kg	
87-86-5	Pentachlorophenol	ND	310	40	ug/kg	
108-95-2	Phenol	ND	62	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	41	ug/kg	
83-32-9	Acenaphthene	ND	31	16	ug/kg	
208-96-8	Acenaphthylene	ND	31	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	31	14	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	24.4	31	19	ug/kg	J
50-32-8	Benzo(a)pyrene	18.7	31	13	ug/kg	J
205-99-2	Benzo(b)fluoranthene	26.1	31	17	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	62	16	ug/kg	
100-52-7	Benzaldehyde	ND	150	90	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	14	ug/kg	
106-47-8	4-Chloroaniline	ND	150	13	ug/kg	
86-74-8	Carbazole	ND	62	13	ug/kg	
105-60-2	Caprolactam	ND	62	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-0'-4'		
Lab Sample ID:	JA27176-15	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	37.2	31	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	53	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	15	ug/kg	
132-64-9	Dibenzofuran	ND	62	14	ug/kg	
84-74-2	Di-n-butyl phthalate	37.3	62	19	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	62	14	ug/kg	
84-66-2	Diethyl phthalate	ND	62	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	62	16	ug/kg	
206-44-0	Fluoranthene	24.1	31	14	ug/kg	J
86-73-7	Fluorene	ND	31	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	29	ug/kg	
67-72-1	Hexachloroethane	ND	150	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	14.2	31	11	ug/kg	J
78-59-1	Isophorone	ND	62	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	62	14	ug/kg	
88-74-4	2-Nitroaniline	ND	150	23	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	31	13	ug/kg	
98-95-3	Nitrobenzene	ND	62	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	21	ug/kg	
85-01-8	Phenanthrene	ND	31	15	ug/kg	
129-00-0	Pyrene	33.2	31	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	74%		28-108%
118-79-6	2,4,6-Tribromophenol	108%		28-125%
4165-60-0	Nitrobenzene-d5	79%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-0'-4'		
Lab Sample ID:	JA27176-15	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	89%		38-107%
1718-51-0	Terphenyl-d14	76%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-0'-4'
Lab Sample ID: JA27176-15 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 92.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G40089.D	1	09/15/09	TDR	09/05/09	OP39803	G3G1497
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.57	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.39	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.61	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.39	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.43	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.49	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.43	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.54	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.44	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.53	ug/kg	
72-20-8	Endrin	ND	1.3	0.44	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.48	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.59	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.48	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.45	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		28-138%
877-09-8	Tetrachloro-m-xylene	84%		28-138%
2051-24-3	Decachlorobiphenyl	82%		22-156%
2051-24-3	Decachlorobiphenyl	79%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-0'-4'
Lab Sample ID: JA27176-15 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 92.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF85607.D	1	09/15/09	VDT	09/05/09	OP39804	GEF3821
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	11	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	11	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.3	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.0	ug/kg	
11096-82-5	Aroclor 1260	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		33-141%
877-09-8	Tetrachloro-m-xylene	90%		33-141%
2051-24-3	Decachlorobiphenyl	98%		32-154%
2051-24-3	Decachlorobiphenyl	97%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-0'-4'
Lab Sample ID: JA27176-15
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 92.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	5.5	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.54	0.54	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	12.5	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	12.2	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	34.7	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	10.3	4.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	27.0	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IR3B08-4'-8'		
Lab Sample ID:	JA27176-16	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94644.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	0.33	ug/kg	
75-25-2	Bromoform	ND	6.4	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	0.39	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	0.71	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.4	1.5	ug/kg	
67-66-3	Chloroform	ND	6.4	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.4	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.4	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.4	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.4	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.4	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.4	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.4	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.4	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
76-13-1	Freon 113	ND	6.4	0.72	ug/kg	
591-78-6	2-Hexanone	ND	6.4	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	0.66	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-4'-8'		
Lab Sample ID:	JA27176-16	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.4	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.4	0.84	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.4	0.29	ug/kg	
100-42-5	Styrene	ND	6.4	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.4	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.4	0.67	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.29	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	0.23	ug/kg	
	m,p-Xylene	ND	2.6	0.60	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	76%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-4'-8'
Lab Sample ID: JA27176-16 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 86.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50952.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	27	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	35	ug/kg	
95-48-7	2-Methylphenol	ND	66	36	ug/kg	
	3&4-Methylphenol	ND	66	44	ug/kg	
88-75-5	2-Nitrophenol	ND	160	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	42	ug/kg	
87-86-5	Pentachlorophenol	ND	330	43	ug/kg	
108-95-2	Phenol	ND	66	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	44	ug/kg	
83-32-9	Acenaphthene	ND	33	17	ug/kg	
208-96-8	Acenaphthylene	ND	33	14	ug/kg	
98-86-2	Acetophenone	ND	160	16	ug/kg	
120-12-7	Anthracene	ND	33	15	ug/kg	
1912-24-9	Atrazine	ND	160	21	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	20	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	66	17	ug/kg	
100-52-7	Benzaldehyde	ND	160	96	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	15	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	66	14	ug/kg	
105-60-2	Caprolactam	ND	66	26	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-4'-8'		
Lab Sample ID:	JA27176-16	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	86.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	22	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	57	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	16	ug/kg	
132-64-9	Dibenzofuran	ND	66	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	21	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	15	ug/kg	
84-66-2	Diethyl phthalate	ND	66	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	17	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	31	ug/kg	
67-72-1	Hexachloroethane	ND	160	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	66	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	15	ug/kg	
88-74-4	2-Nitroaniline	ND	160	24	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	21	ug/kg	
91-20-3	Naphthalene	ND	33	14	ug/kg	
98-95-3	Nitrobenzene	ND	66	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	22	ug/kg	
85-01-8	Phenanthrene	ND	33	16	ug/kg	
129-00-0	Pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	86%		30-109%
4165-62-2	Phenol-d5	83%		28-108%
118-79-6	2,4,6-Tribromophenol	113%		28-125%
4165-60-0	Nitrobenzene-d5	89%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-4'-8'		
Lab Sample ID:	JA27176-16	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	86.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	98%		38-107%
1718-51-0	Terphenyl-d14	88%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B08-4'-8'		
Lab Sample ID:	JA27176-16	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	86.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89422.D	1	09/11/09	OPM	09/10/09	OP39852	GXX3579
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.60	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.66	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.45	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.53	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.58	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.47	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.57	ug/kg	
72-20-8	Endrin	ND	1.4	0.47	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.63	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		28-138%
877-09-8	Tetrachloro-m-xylene	58%		28-138%
2051-24-3	Decachlorobiphenyl	69%		22-156%
2051-24-3	Decachlorobiphenyl	68%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-4'-8'
Lab Sample ID: JA27176-16 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 86.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56769.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	22	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.7	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.5	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		33-141%
877-09-8	Tetrachloro-m-xylene	57%		33-141%
2051-24-3	Decachlorobiphenyl	67%		32-154%
2051-24-3	Decachlorobiphenyl	61%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B08-4'-8'
Lab Sample ID: JA27176-16
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 86.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.57	0.57	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.57	0.57	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	7.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	4.7	2.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	3.6	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.038	0.038	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.5	4.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	11.9	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IR3B09-0'-4'		
Lab Sample ID:	JA27176-17	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	89.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94645.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	92.3	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	12.2	12	2.4	ug/kg	
75-15-0	Carbon disulfide	0.68	6.1	0.37	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.4	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.48	6.1	0.29	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
76-13-1	Freon 113	ND	6.1	0.68	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.63	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-0'-4'		
Lab Sample ID:	JA27176-17	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	89.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.1	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.80	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	ND	6.1	0.27	ug/kg	
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	80%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	69%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-0'-4'
Lab Sample ID: JA27176-17 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 89.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50953.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	34	ug/kg	
95-48-7	2-Methylphenol	ND	64	35	ug/kg	
	3&4-Methylphenol	ND	64	43	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	41	ug/kg	
87-86-5	Pentachlorophenol	ND	320	41	ug/kg	
108-95-2	Phenol	ND	64	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	43	ug/kg	
83-32-9	Acenaphthene	ND	32	17	ug/kg	
208-96-8	Acenaphthylene	ND	32	14	ug/kg	
98-86-2	Acetophenone	ND	160	16	ug/kg	
120-12-7	Anthracene	ND	32	14	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	19	ug/kg	
50-32-8	Benzo(a)pyrene	13.1	32	13	ug/kg	J
205-99-2	Benzo(b)fluoranthene	18.5	32	17	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	32	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	94	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	64	14	ug/kg	
105-60-2	Caprolactam	ND	64	26	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-0'-4'		
Lab Sample ID:	JA27176-17	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	89.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	32	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	55	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	15	ug/kg	
132-64-9	Dibenzofuran	ND	64	15	ug/kg	
84-74-2	Di-n-butyl phthalate	33.2	64	20	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	64	14	ug/kg	
84-66-2	Diethyl phthalate	ND	64	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	17	ug/kg	
206-44-0	Fluoranthene	23.1	32	15	ug/kg	J
86-73-7	Fluorene	ND	32	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	30	ug/kg	
67-72-1	Hexachloroethane	ND	160	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	12	ug/kg	
78-59-1	Isophorone	ND	64	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	14	ug/kg	
88-74-4	2-Nitroaniline	ND	160	24	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	32	14	ug/kg	
98-95-3	Nitrobenzene	ND	64	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	22	ug/kg	
85-01-8	Phenanthrene	ND	32	16	ug/kg	
129-00-0	Pyrene	17.9	32	14	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		30-109%
4165-62-2	Phenol-d5	73%		28-108%
118-79-6	2,4,6-Tribromophenol	101%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-0'-4'		
Lab Sample ID:	JA27176-17	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	89.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-0'-4'
Lab Sample ID: JA27176-17 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 89.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89442.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.58	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.55	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.54	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.61	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.49	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		28-138%
877-09-8	Tetrachloro-m-xylene	55%		28-138%
2051-24-3	Decachlorobiphenyl	74%		22-156%
2051-24-3	Decachlorobiphenyl	73%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-0'-4'
Lab Sample ID: JA27176-17 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 89.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56770.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	12	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	12	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.4	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.2	ug/kg	
11096-82-5	Aroclor 1260	ND	32	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		33-141%
877-09-8	Tetrachloro-m-xylene	48%		33-141%
2051-24-3	Decachlorobiphenyl	62%		32-154%
2051-24-3	Decachlorobiphenyl	57%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-0'-4'
Lab Sample ID: JA27176-17 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 89.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	2.4	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	8.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	6.4	2.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	14.4	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	5.1	4.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	23.6	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IR3B09-4'-8'		
Lab Sample ID:	JA27176-18	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94646.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	59.0	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	11.1	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.36	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.2	ug/kg	
67-66-3	Chloroform	ND	5.4	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.4	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.58	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.36	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.56	5.4	0.26	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	0.48	1.1	0.40	ug/kg	J
76-13-1	Freon 113	ND	5.4	0.60	ug/kg	
591-78-6	2-Hexanone	ND	5.4	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	0.56	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-4'-8'		
Lab Sample ID:	JA27176-18	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.4	0.88	ug/kg	
108-87-2	Methylcyclohexane	ND	5.4	0.70	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.87	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
100-42-5	Styrene	ND	5.4	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.31	ug/kg	
127-18-4	Tetrachloroethene	0.27	5.4	0.16	ug/kg	J
108-88-3	Toluene	0.52	1.1	0.31	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.4	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
	m,p-Xylene	1.4	2.1	0.50	ug/kg	J
95-47-6	o-Xylene	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total)	1.8	2.1	0.50	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	78%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-4'-8'
Lab Sample ID: JA27176-18 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 87.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50954.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	27	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	34	ug/kg	
95-48-7	2-Methylphenol	ND	65	35	ug/kg	
	3&4-Methylphenol	ND	65	44	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	330	42	ug/kg	
87-86-5	Pentachlorophenol	ND	330	42	ug/kg	
108-95-2	Phenol	ND	65	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	43	ug/kg	
83-32-9	Acenaphthene	ND	33	17	ug/kg	
208-96-8	Acenaphthylene	ND	33	14	ug/kg	
98-86-2	Acetophenone	ND	160	16	ug/kg	
120-12-7	Anthracene	ND	33	15	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	20	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	65	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	95	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	65	14	ug/kg	
105-60-2	Caprolactam	ND	65	26	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-4'-8'		
Lab Sample ID:	JA27176-18	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	87.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	22	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	56	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	16	ug/kg	
132-64-9	Dibenzofuran	ND	65	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	20	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	14	ug/kg	
84-66-2	Diethyl phthalate	ND	65	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	17	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	31	ug/kg	
67-72-1	Hexachloroethane	ND	160	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	65	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	15	ug/kg	
88-74-4	2-Nitroaniline	ND	160	24	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	33	14	ug/kg	
98-95-3	Nitrobenzene	ND	65	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	22	ug/kg	
85-01-8	Phenanthrene	ND	33	16	ug/kg	
129-00-0	Pyrene	ND	33	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		30-109%
4165-62-2	Phenol-d5	74%		28-108%
118-79-6	2,4,6-Tribromophenol	102%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-4' -8'		
Lab Sample ID:	JA27176-18	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	87.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B09-4'-8'		
Lab Sample ID:	JA27176-18	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	87.9
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89443.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.59	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.56	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.55	ug/kg	
72-20-8	Endrin	ND	1.3	0.46	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.62	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.50	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		28-138%
877-09-8	Tetrachloro-m-xylene	78%		28-138%
2051-24-3	Decachlorobiphenyl	88%		22-156%
2051-24-3	Decachlorobiphenyl	95%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-4' -8'
Lab Sample ID: JA27176-18 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 87.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56771.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.5	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.3	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		33-141%
877-09-8	Tetrachloro-m-xylene	73%		33-141%
2051-24-3	Decachlorobiphenyl	86%		32-154%
2051-24-3	Decachlorobiphenyl	79%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B09-4'-8'
Lab Sample ID: JA27176-18 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 87.9
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.59	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	5.3	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	4.4	2.9	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	4.8	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.041	0.037	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.7	4.7	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	11.6	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B10-0'-4'
Lab Sample ID: JA27176-19 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 84.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94647.D	1	09/15/09	JLI	n/a	n/a	VV3906
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.32	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.2	1.4	ug/kg	
67-66-3	Chloroform	ND	6.2	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.46	ug/kg	
76-13-1	Freon 113	ND	6.2	0.69	ug/kg	
591-78-6	2-Hexanone	ND	6.2	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.64	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-0'-4'		
Lab Sample ID:	JA27176-19	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.2	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.2	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.2	0.27	ug/kg	
100-42-5	Styrene	ND	6.2	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.2	0.18	ug/kg	
108-88-3	Toluene	0.58	1.2	0.36	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.65	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.28	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.22	ug/kg	
	m,p-Xylene	ND	2.5	0.58	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.58	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	80%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	67%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-0'-4'
Lab Sample ID: JA27176-19 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 84.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50955.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	36	ug/kg	
95-48-7	2-Methylphenol	ND	68	37	ug/kg	
	3&4-Methylphenol	ND	68	45	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	43	ug/kg	
87-86-5	Pentachlorophenol	ND	340	44	ug/kg	
108-95-2	Phenol	ND	68	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	34	18	ug/kg	
208-96-8	Acenaphthylene	ND	34	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	34	15	ug/kg	
1912-24-9	Atrazine	ND	170	21	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	20	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	99	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	68	14	ug/kg	
105-60-2	Caprolactam	ND	68	27	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-0'-4'		
Lab Sample ID:	JA27176-19	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	84.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	58	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	16	ug/kg	
132-64-9	Dibenzofuran	ND	68	16	ug/kg	
84-74-2	Di-n-butyl phthalate	73.6	68	21	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	15	ug/kg	
84-66-2	Diethyl phthalate	ND	68	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	18	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	32	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	13	ug/kg	
78-59-1	Isophorone	ND	68	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	21	ug/kg	
91-20-3	Naphthalene	ND	34	15	ug/kg	
98-95-3	Nitrobenzene	ND	68	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	ND	34	17	ug/kg	
129-00-0	Pyrene	ND	34	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		30-109%
4165-62-2	Phenol-d5	74%		28-108%
118-79-6	2,4,6-Tribromophenol	94%		28-125%
4165-60-0	Nitrobenzene-d5	75%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-0'-4'		
Lab Sample ID:	JA27176-19	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	84.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		38-107%
1718-51-0	Terphenyl-d14	62%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-0'-4'
Lab Sample ID: JA27176-19 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 84.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89444.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.62	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.65	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.53	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.62	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		28-138%
877-09-8	Tetrachloro-m-xylene	88%		28-138%
2051-24-3	Decachlorobiphenyl	99%		22-156%
2051-24-3	Decachlorobiphenyl	101%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-0'-4'
Lab Sample ID: JA27176-19 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 84.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56772.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	12	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		33-141%
877-09-8	Tetrachloro-m-xylene	74%		33-141%
2051-24-3	Decachlorobiphenyl	97%		32-154%
2051-24-3	Decachlorobiphenyl	90%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-0'-4'
Lab Sample ID: JA27176-19
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 84.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	4.4	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.62	0.62	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	19.5	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	19.5	3.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	21.8	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.058	0.038	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	13.4	5.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	47.2	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B10-4'-8'
Lab Sample ID: JA27176-20 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 95.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94697.D	1	09/17/09	JLI	n/a	n/a	VV3910
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-4'-8'		
Lab Sample ID:	JA27176-20	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	95.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.94	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.35	1.1	0.32	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	86%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	73%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-4'-8'
Lab Sample ID: JA27176-20 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3510C **Percent Solids:** 95.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z50956.D	1	09/17/09	LP	09/04/09	OP39784	EZ1858
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	600	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	32	ug/kg	
95-48-7	2-Methylphenol	ND	60	32	ug/kg	
	3&4-Methylphenol	ND	60	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	39	ug/kg	
108-95-2	Phenol	ND	60	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	60	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	60	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	60	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	60	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	60	13	ug/kg	
105-60-2	Caprolactam	ND	60	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-4'-8'		
Lab Sample ID:	JA27176-20	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	95.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	60	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	60	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	60	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	60	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	52	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	60	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	60	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	60	13	ug/kg	
84-66-2	Diethyl phthalate	ND	60	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	60	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	60	16	ug/kg	
206-44-0	Fluoranthene	ND	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	60	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	60	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	60	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	60	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	60	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-109%
4165-62-2	Phenol-d5	69%		28-108%
118-79-6	2,4,6-Tribromophenol	96%		28-125%
4165-60-0	Nitrobenzene-d5	76%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B10-4'-8'		
Lab Sample ID:	JA27176-20	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	95.6
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	84%		38-107%
1718-51-0	Terphenyl-d14	74%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-4'-8'
Lab Sample ID: JA27176-20 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 95.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89445.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.47	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.46	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.46	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		28-138%
877-09-8	Tetrachloro-m-xylene	106%		28-138%
2051-24-3	Decachlorobiphenyl	104%		22-156%
2051-24-3	Decachlorobiphenyl	106%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-4'-8'
Lab Sample ID: JA27176-20 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 95.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56766.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	6.0	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.6	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		33-141%
877-09-8	Tetrachloro-m-xylene	90%		33-141%
2051-24-3	Decachlorobiphenyl	96%		32-154%
2051-24-3	Decachlorobiphenyl	89%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B10-4'-8'
Lab Sample ID: JA27176-20
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 95.6
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	3.4	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	2.7	2.6	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	2.2	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.2	4.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	6.4	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49620
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B11-0'-4'
Lab Sample ID: JA27176-21 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 90.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94678.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-0'-4'		
Lab Sample ID:	JA27176-21	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	90.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.90	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.25	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	ND	2.2	0.52	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	76%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	67%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-0'-4'
Lab Sample ID: JA27176-21 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 90.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67419.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	33	ug/kg	
95-48-7	2-Methylphenol	ND	63	34	ug/kg	
	3&4-Methylphenol	ND	63	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	320	40	ug/kg	
87-86-5	Pentachlorophenol	ND	320	41	ug/kg	
108-95-2	Phenol	ND	63	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	42	ug/kg	
83-32-9	Acenaphthene	ND	32	17	ug/kg	
208-96-8	Acenaphthylene	ND	32	14	ug/kg	
98-86-2	Acetophenone	ND	160	15	ug/kg	
120-12-7	Anthracene	ND	32	14	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	49.7	32	19	ug/kg	
50-32-8	Benzo(a)pyrene	39.9	32	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	83.7	32	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	40.1	32	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	19.2	32	16	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	63	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	63	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	92	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	63	13	ug/kg	
105-60-2	Caprolactam	ND	63	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-0'-4'		
Lab Sample ID:	JA27176-21	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	70.4	32	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	63	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	55	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	15	ug/kg	
132-64-9	Dibenzofuran	ND	63	15	ug/kg	
84-74-2	Di-n-butyl phthalate	70.2	63	20	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	63	14	ug/kg	
84-66-2	Diethyl phthalate	ND	63	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	63	17	ug/kg	
206-44-0	Fluoranthene	58.1	32	14	ug/kg	
86-73-7	Fluorene	ND	32	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	30	ug/kg	
67-72-1	Hexachloroethane	ND	160	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	34.2	32	12	ug/kg	
78-59-1	Isophorone	ND	63	28	ug/kg	
91-57-6	2-Methylnaphthalene	14.9	63	14	ug/kg	J
88-74-4	2-Nitroaniline	ND	160	23	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	32	14	ug/kg	
98-95-3	Nitrobenzene	ND	63	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	21	ug/kg	
85-01-8	Phenanthrene	42.8	32	16	ug/kg	
129-00-0	Pyrene	65.3	32	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-109%
4165-62-2	Phenol-d5	58%		28-108%
118-79-6	2,4,6-Tribromophenol	81%		28-125%
4165-60-0	Nitrobenzene-d5	74%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-0'-4'		
Lab Sample ID:	JA27176-21	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-0'-4'		
Lab Sample ID:	JA27176-21	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	90.5
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89446.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.57	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.39	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.62	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.39	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.43	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.50	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.43	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.55	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.44	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.54	ug/kg	
72-20-8	Endrin	ND	1.3	0.44	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.49	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.45	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		28-138%
877-09-8	Tetrachloro-m-xylene	104%		28-138%
2051-24-3	Decachlorobiphenyl	99%		22-156%
2051-24-3	Decachlorobiphenyl	103%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-0'-4'
Lab Sample ID: JA27176-21 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 90.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56765.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	11	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	11	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.3	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.0	ug/kg	
11096-82-5	Aroclor 1260	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		33-141%
877-09-8	Tetrachloro-m-xylene	91%		33-141%
2051-24-3	Decachlorobiphenyl	98%		32-154%
2051-24-3	Decachlorobiphenyl	90%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-0'-4'
Lab Sample ID: JA27176-21 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 90.5
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.55	0.55	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	13.7	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	5.8	2.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	2.8	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	< 4.4	4.4	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	9.5	2.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B11-4'-8'
Lab Sample ID: JA27176-22 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 97.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94677.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-4'-8'		
Lab Sample ID:	JA27176-22	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	97.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.94	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	76%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-4'-8'
Lab Sample ID: JA27176-22 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 97.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67420.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	32	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-4'-8'		
Lab Sample ID:	JA27176-22	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	97.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-109%
4165-62-2	Phenol-d5	57%		28-108%
118-79-6	2,4,6-Tribromophenol	75%		28-125%
4165-60-0	Nitrobenzene-d5	71%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B11-4'-8'		
Lab Sample ID:	JA27176-22	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	97.8
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-4'-8'
Lab Sample ID: JA27176-22 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 97.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89454.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.58	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.51	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.50	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.54	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		28-138%
877-09-8	Tetrachloro-m-xylene	92%		28-138%
2051-24-3	Decachlorobiphenyl	90%		22-156%
2051-24-3	Decachlorobiphenyl	92%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-4'-8'
Lab Sample ID: JA27176-22 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 97.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56764.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	30	11	ug/kg	
11104-28-2	Aroclor 1221	ND	30	20	ug/kg	
11141-16-5	Aroclor 1232	ND	30	9.6	ug/kg	
53469-21-9	Aroclor 1242	ND	30	11	ug/kg	
12672-29-6	Aroclor 1248	ND	30	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	30	7.5	ug/kg	
11096-82-5	Aroclor 1260	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		33-141%
877-09-8	Tetrachloro-m-xylene	81%		33-141%
2051-24-3	Decachlorobiphenyl	88%		32-154%
2051-24-3	Decachlorobiphenyl	81%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B11-4'-8'
Lab Sample ID: JA27176-22 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 97.8
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Arsenic	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Beryllium	< 0.51	0.51	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Cadmium	< 0.51	0.51	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Chromium	3.5	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Copper	4.3	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Lead	2.7	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Mercury	< 0.033	0.033	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [5]
Nickel	< 4.0	4.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	GT	SW846 6010B [3]	SW846 3050B [4]
Zinc	8.7	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Instrument QC Batch: MA23124
(4) Prep QC Batch: MP49621
(5) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: IR3B12-0'-4'
Lab Sample ID: JA27176-23 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 91.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94676.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.40	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.4	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
110-82-7	Cyclohexane	ND	6.0	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
76-13-1	Freon 113	ND	6.0	0.67	ug/kg	
591-78-6	2-Hexanone	ND	6.0	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-0'-4'		
Lab Sample ID:	JA27176-23	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	91.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.0	0.98	ug/kg	
108-87-2	Methylcyclohexane	ND	6.0	0.78	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.57	1.2	0.34	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.27	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
	m,p-Xylene	ND	2.4	0.56	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		67-127%
17060-07-0	1,2-Dichloroethane-D4	73%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-0'-4'
Lab Sample ID: JA27176-23 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 91.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67421.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	26	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	33	ug/kg	
95-48-7	2-Methylphenol	ND	63	34	ug/kg	
	3&4-Methylphenol	ND	63	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	40	ug/kg	
87-86-5	Pentachlorophenol	ND	310	40	ug/kg	
108-95-2	Phenol	ND	63	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	42	ug/kg	
83-32-9	Acenaphthene	ND	31	17	ug/kg	
208-96-8	Acenaphthylene	ND	31	13	ug/kg	
98-86-2	Acetophenone	ND	160	15	ug/kg	
120-12-7	Anthracene	ND	31	14	ug/kg	
1912-24-9	Atrazine	ND	160	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	31	19	ug/kg	
50-32-8	Benzo(a)pyrene	ND	31	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	31	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	63	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	63	16	ug/kg	
100-52-7	Benzaldehyde	ND	160	91	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	14	ug/kg	
106-47-8	4-Chloroaniline	ND	160	13	ug/kg	
86-74-8	Carbazole	ND	63	13	ug/kg	
105-60-2	Caprolactam	ND	63	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-0'-4'		
Lab Sample ID:	JA27176-23	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	31	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	63	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	15	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	54	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	15	ug/kg	
132-64-9	Dibenzofuran	ND	63	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	63	20	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	63	14	ug/kg	
84-66-2	Diethyl phthalate	ND	63	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	31	14	ug/kg	
86-73-7	Fluorene	ND	31	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	30	ug/kg	
67-72-1	Hexachloroethane	ND	160	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	31	12	ug/kg	
78-59-1	Isophorone	ND	63	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	63	14	ug/kg	
88-74-4	2-Nitroaniline	ND	160	23	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	20	ug/kg	
91-20-3	Naphthalene	ND	31	14	ug/kg	
98-95-3	Nitrobenzene	ND	63	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	21	ug/kg	
85-01-8	Phenanthrene	ND	31	15	ug/kg	
129-00-0	Pyrene	ND	31	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	65%		28-125%
4165-60-0	Nitrobenzene-d5	63%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-0'-4'		
Lab Sample ID:	JA27176-23	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	63%		38-107%
1718-51-0	Terphenyl-d14	53%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-0'-4'		
Lab Sample ID:	JA27176-23	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	91.2
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89453.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.57	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.39	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.62	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.43	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.50	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.43	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.55	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.44	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.54	ug/kg	
72-20-8	Endrin	ND	1.3	0.44	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.49	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.45	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		28-138%
877-09-8	Tetrachloro-m-xylene	83%		28-138%
2051-24-3	Decachlorobiphenyl	89%		22-156%
2051-24-3	Decachlorobiphenyl	91%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-0'-4'
Lab Sample ID: JA27176-23 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 91.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56763.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	11	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	12	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.4	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.1	ug/kg	
11096-82-5	Aroclor 1260	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		33-141%
877-09-8	Tetrachloro-m-xylene	81%		33-141%
2051-24-3	Decachlorobiphenyl	91%		32-154%
2051-24-3	Decachlorobiphenyl	83%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-0'-4'
Lab Sample ID: JA27176-23 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 91.2
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	5.6	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.58	0.58	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	23.0	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	11.3	2.9	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	7.4	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.036	0.033	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	9.7	4.6	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	17.5	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IR3B12-4'-8'		
Lab Sample ID:	JA27176-24	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	93.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94679.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-4'-8'		
Lab Sample ID:	JA27176-24	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	93.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.94	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.75	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.17	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	71%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-4'-8'
Lab Sample ID: JA27176-24 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 93.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67422.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	610	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	32	ug/kg	
95-48-7	2-Methylphenol	ND	61	33	ug/kg	
	3&4-Methylphenol	ND	61	41	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	310	39	ug/kg	
87-86-5	Pentachlorophenol	ND	310	40	ug/kg	
108-95-2	Phenol	ND	61	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	41	ug/kg	
83-32-9	Acenaphthene	ND	31	16	ug/kg	
208-96-8	Acenaphthylene	ND	31	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	31	14	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	31	19	ug/kg	
50-32-8	Benzo(a)pyrene	ND	31	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	31	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	61	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	61	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	61	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	61	14	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	61	13	ug/kg	
105-60-2	Caprolactam	ND	61	25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-4'-8'		
Lab Sample ID:	JA27176-24	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	93.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	31	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	61	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	61	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	61	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	61	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	61	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	61	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	53	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	15	ug/kg	
132-64-9	Dibenzofuran	ND	61	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	61	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	61	14	ug/kg	
84-66-2	Diethyl phthalate	ND	61	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	61	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	61	16	ug/kg	
206-44-0	Fluoranthene	ND	31	14	ug/kg	
86-73-7	Fluorene	ND	31	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	61	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	29	ug/kg	
67-72-1	Hexachloroethane	ND	150	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	31	11	ug/kg	
78-59-1	Isophorone	ND	61	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	61	14	ug/kg	
88-74-4	2-Nitroaniline	ND	150	23	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	31	13	ug/kg	
98-95-3	Nitrobenzene	ND	61	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	61	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	21	ug/kg	
85-01-8	Phenanthrene	ND	31	15	ug/kg	
129-00-0	Pyrene	ND	31	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		30-109%
4165-62-2	Phenol-d5	55%		28-108%
118-79-6	2,4,6-Tribromophenol	80%		28-125%
4165-60-0	Nitrobenzene-d5	70%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IR3B12-4'-8'		
Lab Sample ID:	JA27176-24	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	93.3
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-4'-8'
Lab Sample ID: JA27176-24 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 93.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89441.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.55	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.38	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.60	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.42	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.48	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.42	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.53	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.43	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.52	ug/kg	
72-20-8	Endrin	ND	1.2	0.43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.47	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.58	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.47	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.44	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		28-138%
877-09-8	Tetrachloro-m-xylene	104%		28-138%
2051-24-3	Decachlorobiphenyl	96%		22-156%
2051-24-3	Decachlorobiphenyl	107%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-4'-8'
Lab Sample ID: JA27176-24 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 93.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56762.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	20	ug/kg	
11141-16-5	Aroclor 1232	ND	31	10	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	ND	31	6.1	ug/kg	
11097-69-1	Aroclor 1254	ND	31	7.8	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		33-141%
877-09-8	Tetrachloro-m-xylene	90%		33-141%
2051-24-3	Decachlorobiphenyl	100%		32-154%
2051-24-3	Decachlorobiphenyl	92%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IR3B12-4'-8'
Lab Sample ID: JA27176-24 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 93.3
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	4.8	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.56	0.56	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	18.2	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	10.3	2.8	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	6.4	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.042	0.034	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	6.5	4.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	11.9	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB11-0'-4'
Lab Sample ID: JA27176-25 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 84.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94680.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2	V94696.D	1	09/17/09	JLI	n/a	n/a	VV3910

	Initial Weight
Run #1	4.6 g
Run #2	2.1 g

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	126 [a]	28	6.3	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.33	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	67.1	13	2.5	ug/kg	
75-15-0	Carbon disulfide	1.9	6.5	0.39	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.5	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.44	ug/kg	
75-00-3	Chloroethane	ND	6.5	1.5	ug/kg	
67-66-3	Chloroform	ND	6.5	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.86	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
76-13-1	Freon 113	ND	6.5	0.73	ug/kg	
591-78-6	2-Hexanone	ND	6.5	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.67	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-0'-4'		
Lab Sample ID:	JA27176-25	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	84.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.5	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.5	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.5	0.29	ug/kg	
100-42-5	Styrene	ND	6.5	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.5	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.38	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.30	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.23	ug/kg	
	m,p-Xylene	ND	2.6	0.61	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.61	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	81%	78%	65-132%
2037-26-5	Toluene-D8	88%	90%	74-129%
460-00-4	4-Bromofluorobenzene	69%	70%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-0'-4'
Lab Sample ID: JA27176-25 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 84.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67423.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	36	ug/kg	
95-48-7	2-Methylphenol	ND	68	37	ug/kg	
	3&4-Methylphenol	ND	68	46	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	43	ug/kg	
87-86-5	Pentachlorophenol	ND	340	44	ug/kg	
108-95-2	Phenol	ND	68	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	34	18	ug/kg	
208-96-8	Acenaphthylene	ND	34	15	ug/kg	
98-86-2	Acetophenone	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	34	15	ug/kg	
1912-24-9	Atrazine	ND	170	21	ug/kg	
56-55-3	Benzo(a)anthracene	34.5	34	21	ug/kg	
50-32-8	Benzo(a)pyrene	33.9	34	14	ug/kg	J
205-99-2	Benzo(b)fluoranthene	41.5	34	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	26.2	34	16	ug/kg	J
207-08-9	Benzo(k)fluoranthene	19.7	34	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	68	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	17	ug/kg	
100-52-7	Benzaldehyde	ND	170	99	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	15	ug/kg	
106-47-8	4-Chloroaniline	ND	170	14	ug/kg	
86-74-8	Carbazole	ND	68	14	ug/kg	
105-60-2	Caprolactam	ND	68	27	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-0'-4'		
Lab Sample ID:	JA27176-25	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	32.8	34	16	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	68	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	16	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	59	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	16	ug/kg	
132-64-9	Dibenzofuran	ND	68	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	21	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	15	ug/kg	
84-66-2	Diethyl phthalate	ND	68	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	18	ug/kg	
206-44-0	Fluoranthene	50.2	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	19	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	32	ug/kg	
67-72-1	Hexachloroethane	ND	170	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	22.3	34	13	ug/kg	J
78-59-1	Isophorone	ND	68	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	15	ug/kg	
88-74-4	2-Nitroaniline	ND	170	25	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	21	ug/kg	
91-20-3	Naphthalene	ND	34	15	ug/kg	
98-95-3	Nitrobenzene	ND	68	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	23	ug/kg	
85-01-8	Phenanthrene	24.6	34	17	ug/kg	J
129-00-0	Pyrene	46.0	34	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		30-109%
4165-62-2	Phenol-d5	55%		28-108%
118-79-6	2,4,6-Tribromophenol	81%		28-125%
4165-60-0	Nitrobenzene-d5	69%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-0'-4'		
Lab Sample ID:	JA27176-25	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.1
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		38-107%
1718-51-0	Terphenyl-d14	70%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-0'-4'
Lab Sample ID: JA27176-25 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 84.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89452.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.62	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.65	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.53	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.62	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		28-138%
877-09-8	Tetrachloro-m-xylene	70%		28-138%
2051-24-3	Decachlorobiphenyl	105%		22-156%
2051-24-3	Decachlorobiphenyl	101%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-0'-4'
Lab Sample ID: JA27176-25 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 84.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56761.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	12	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		33-141%
877-09-8	Tetrachloro-m-xylene	66%		33-141%
2051-24-3	Decachlorobiphenyl	91%		32-154%
2051-24-3	Decachlorobiphenyl	82%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-0'-4'
Lab Sample ID: JA27176-25 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 84.1
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	2.8	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.57	0.57	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.57	0.57	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	9.4	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	7.5	2.9	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	12.1	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.039	0.039	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	4.9	4.6	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	27.3	2.3	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB11-4'-8'
Lab Sample ID: JA27176-26 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 96.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94681.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.27	ug/kg	
75-25-2	Bromoform	ND	5.2	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	0.32	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.35	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.2	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.17	ug/kg	
110-82-7	Cyclohexane	ND	5.2	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.56	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.2	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.2	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.2	0.35	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.47	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.39	ug/kg	
76-13-1	Freon 113	ND	5.2	0.59	ug/kg	
591-78-6	2-Hexanone	ND	5.2	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.54	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-4'-8'		
Lab Sample ID:	JA27176-26	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	96.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.2	0.86	ug/kg	
108-87-2	Methylcyclohexane	ND	5.2	0.68	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	0.84	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.23	ug/kg	
100-42-5	Styrene	ND	5.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.30	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.24	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.19	ug/kg	
	m,p-Xylene	ND	2.1	0.49	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		67-127%
17060-07-0	1,2-Dichloroethane-D4	74%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	69%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-4'-8'
Lab Sample ID: JA27176-26 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 96.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67424.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	600	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	32	ug/kg	
95-48-7	2-Methylphenol	ND	60	32	ug/kg	
	3&4-Methylphenol	ND	60	40	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	300	38	ug/kg	
87-86-5	Pentachlorophenol	ND	300	38	ug/kg	
108-95-2	Phenol	ND	60	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	40	ug/kg	
83-32-9	Acenaphthene	ND	30	16	ug/kg	
208-96-8	Acenaphthylene	ND	30	13	ug/kg	
98-86-2	Acetophenone	ND	150	15	ug/kg	
120-12-7	Anthracene	ND	30	13	ug/kg	
1912-24-9	Atrazine	ND	150	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	60	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	60	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	60	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	60	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	60	13	ug/kg	
105-60-2	Caprolactam	ND	60	24	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-4'-8'		
Lab Sample ID:	JA27176-26	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	30	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	60	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	60	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	60	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	60	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	51	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	14	ug/kg	
132-64-9	Dibenzofuran	ND	60	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	60	19	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	60	13	ug/kg	
84-66-2	Diethyl phthalate	ND	60	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	60	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	60	16	ug/kg	
206-44-0	Fluoranthene	ND	30	14	ug/kg	
86-73-7	Fluorene	ND	30	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	60	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
78-59-1	Isophorone	ND	60	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	60	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	22	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	19	ug/kg	
91-20-3	Naphthalene	ND	30	13	ug/kg	
98-95-3	Nitrobenzene	ND	60	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	60	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	30	15	ug/kg	
129-00-0	Pyrene	ND	30	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		30-109%
4165-62-2	Phenol-d5	55%		28-108%
118-79-6	2,4,6-Tribromophenol	69%		28-125%
4165-60-0	Nitrobenzene-d5	71%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB11-4'-8'		
Lab Sample ID:	JA27176-26	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	96.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-4'-8'
Lab Sample ID: JA27176-26 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 96.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89451.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.55	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.38	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.59	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.33	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.41	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.48	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.41	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.52	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.51	ug/kg	
72-20-8	Endrin	ND	1.2	0.42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.47	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.47	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.43	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		28-138%
877-09-8	Tetrachloro-m-xylene	85%		28-138%
2051-24-3	Decachlorobiphenyl	93%		22-156%
2051-24-3	Decachlorobiphenyl	96%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-4'-8'
Lab Sample ID: JA27176-26 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 96.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56760.D	1	09/12/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	11	ug/kg	
11104-28-2	Aroclor 1221	ND	31	20	ug/kg	
11141-16-5	Aroclor 1232	ND	31	9.9	ug/kg	
53469-21-9	Aroclor 1242	ND	31	11	ug/kg	
12672-29-6	Aroclor 1248	ND	31	6.1	ug/kg	
11097-69-1	Aroclor 1254	ND	31	7.7	ug/kg	
11096-82-5	Aroclor 1260	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		33-141%
877-09-8	Tetrachloro-m-xylene	88%		33-141%
2051-24-3	Decachlorobiphenyl	96%		32-154%
2051-24-3	Decachlorobiphenyl	89%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB11-4'-8'
Lab Sample ID: JA27176-26 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 96.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	5.5	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	4.3	2.6	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	2.7	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	4.2	4.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	9.7	2.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID:	P17NB12-0'-4'		
Lab Sample ID:	JA27176-27	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94682.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	156	14	3.1	ug/kg	
71-43-2	Benzene	ND	1.4	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	0.35	ug/kg	
75-25-2	Bromoform	ND	6.9	0.21	ug/kg	
74-83-9	Bromomethane	ND	6.9	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	32.2	14	2.7	ug/kg	
75-15-0	Carbon disulfide	0.74	6.9	0.42	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.9	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	0.47	ug/kg	
75-00-3	Chloroethane	ND	6.9	1.6	ug/kg	
67-66-3	Chloroform	ND	6.9	0.44	ug/kg	
74-87-3	Chloromethane	ND	6.9	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.9	0.21	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.9	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.9	0.38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.9	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.9	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.9	0.91	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.9	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.9	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.51	ug/kg	
76-13-1	Freon 113	ND	6.9	0.77	ug/kg	
591-78-6	2-Hexanone	ND	6.9	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.9	0.71	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-0'-4'		
Lab Sample ID:	JA27176-27	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.9	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.9	0.90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.39	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.9	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.9	0.31	ug/kg	
100-42-5	Styrene	ND	6.9	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	6.9	0.20	ug/kg	
108-88-3	Toluene	0.52	1.4	0.40	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.9	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	0.31	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	0.24	ug/kg	
	m,p-Xylene	0.79	2.7	0.64	ug/kg	J
95-47-6	o-Xylene	ND	1.4	0.64	ug/kg	
1330-20-7	Xylene (total)	1.1	2.7	0.64	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	79%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	69%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-0'-4'
Lab Sample ID: JA27176-27 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 81.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67425.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	37	ug/kg	
95-48-7	2-Methylphenol	ND	71	38	ug/kg	
	3&4-Methylphenol	ND	71	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	45	ug/kg	
87-86-5	Pentachlorophenol	ND	350	46	ug/kg	
108-95-2	Phenol	ND	71	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	47	ug/kg	
83-32-9	Acenaphthene	ND	35	19	ug/kg	
208-96-8	Acenaphthylene	ND	35	15	ug/kg	
98-86-2	Acetophenone	ND	180	17	ug/kg	
120-12-7	Anthracene	ND	35	16	ug/kg	
1912-24-9	Atrazine	ND	180	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	18	ug/kg	
100-52-7	Benzaldehyde	ND	180	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	16	ug/kg	
106-47-8	4-Chloroaniline	ND	180	14	ug/kg	
86-74-8	Carbazole	ND	71	15	ug/kg	
105-60-2	Caprolactam	ND	71	28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-0'-4'		
Lab Sample ID:	JA27176-27	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	61	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	17	ug/kg	
132-64-9	Dibenzofuran	ND	71	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	22	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	16	ug/kg	
84-66-2	Diethyl phthalate	ND	71	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	18	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	33	ug/kg	
67-72-1	Hexachloroethane	ND	180	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	13	ug/kg	
78-59-1	Isophorone	ND	71	31	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	16	ug/kg	
88-74-4	2-Nitroaniline	ND	180	26	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	22	ug/kg	
91-20-3	Naphthalene	ND	35	15	ug/kg	
98-95-3	Nitrobenzene	ND	71	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	22	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	24	ug/kg	
85-01-8	Phenanthrene	ND	35	17	ug/kg	
129-00-0	Pyrene	ND	35	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		30-109%
4165-62-2	Phenol-d5	63%		28-108%
118-79-6	2,4,6-Tribromophenol	89%		28-125%
4165-60-0	Nitrobenzene-d5	80%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-0'-4'		
Lab Sample ID:	JA27176-27	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	79%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-0'-4'
Lab Sample ID: JA27176-27 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 81.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89450.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.45	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.61	ug/kg	
72-20-8	Endrin	ND	1.5	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		28-138%
877-09-8	Tetrachloro-m-xylene	58%		28-138%
2051-24-3	Decachlorobiphenyl	63%		22-156%
2051-24-3	Decachlorobiphenyl	61%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-0'-4'
Lab Sample ID: JA27176-27 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 81.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56755.D	1	09/11/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.2	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		33-141%
877-09-8	Tetrachloro-m-xylene	50%		33-141%
2051-24-3	Decachlorobiphenyl	58%		32-154%
2051-24-3	Decachlorobiphenyl	51%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-0'-4'
Lab Sample ID: JA27176-27
Matrix: SO - Soil
Date Sampled: 09/03/09
Date Received: 09/03/09
Percent Solids: 81.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	5.0	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.62	0.62	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	16.6	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	10.2	3.1	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	14.3	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.039	0.039	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	9.2	5.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	31.3	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

Report of Analysis

Client Sample ID: P17NB12-4'-8'
Lab Sample ID: JA27176-28 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8260B **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V94683.D	1	09/16/09	JLI	n/a	n/a	VV3908
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.7	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
76-13-1	Freon 113	ND	5.7	0.64	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-4'-8'		
Lab Sample ID:	JA27176-28	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8260B	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.7	0.93	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	70%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-4'-8'
Lab Sample ID: JA27176-28 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8270C SW846 3550B **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M67426.D	1	09/15/09	LP	09/04/09	OP39785	EM2506
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	310	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	31	ug/kg	
95-48-7	2-Methylphenol	ND	58	31	ug/kg	
	3&4-Methylphenol	ND	58	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	31	ug/kg	
100-02-7	4-Nitrophenol	ND	290	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	38	ug/kg	
108-95-2	Phenol	ND	58	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	39	ug/kg	
83-32-9	Acenaphthene	ND	29	15	ug/kg	
208-96-8	Acenaphthylene	ND	29	13	ug/kg	
98-86-2	Acetophenone	ND	150	14	ug/kg	
120-12-7	Anthracene	ND	29	13	ug/kg	
1912-24-9	Atrazine	ND	150	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	58	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	58	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	58	15	ug/kg	
100-52-7	Benzaldehyde	ND	150	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	58	13	ug/kg	
106-47-8	4-Chloroaniline	ND	150	12	ug/kg	
86-74-8	Carbazole	ND	58	12	ug/kg	
105-60-2	Caprolactam	ND	58	23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-4'-8'		
Lab Sample ID:	JA27176-28	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	29	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	58	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	58	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	58	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	58	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	14	ug/kg	
132-64-9	Dibenzofuran	ND	58	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	58	18	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	58	13	ug/kg	
84-66-2	Diethyl phthalate	ND	58	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	58	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	58	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	28	ug/kg	
67-72-1	Hexachloroethane	ND	150	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	11	ug/kg	
78-59-1	Isophorone	ND	58	26	ug/kg	
91-57-6	2-Methylnaphthalene	ND	58	13	ug/kg	
88-74-4	2-Nitroaniline	ND	150	21	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	18	ug/kg	
91-20-3	Naphthalene	ND	29	13	ug/kg	
98-95-3	Nitrobenzene	ND	58	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	58	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	20	ug/kg	
85-01-8	Phenanthrene	ND	29	14	ug/kg	
129-00-0	Pyrene	ND	29	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	61%		28-108%
118-79-6	2,4,6-Tribromophenol	78%		28-125%
4165-60-0	Nitrobenzene-d5	77%		28-113%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P17NB12-4'-8'		
Lab Sample ID:	JA27176-28	**Date Sampled:**	09/03/09
Matrix:	SO - Soil	**Date Received:**	09/03/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	98.0
Project:	NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	78%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-4'-8'
Lab Sample ID: JA27176-28 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8081A SW846 3545 **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX89449.D	1	09/12/09	OPM	09/10/09	OP39852	GXX3580
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.36	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.50	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.49	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		28-138%
877-09-8	Tetrachloro-m-xylene	63%		28-138%
2051-24-3	Decachlorobiphenyl	72%		22-156%
2051-24-3	Decachlorobiphenyl	68%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-4'-8'
Lab Sample ID: JA27176-28 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Method: SW846 8082 SW846 3545 **Percent Solids:** 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA56749.D	1	09/11/09	TDR	09/10/09	OP39853	GOA2049
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	29	11	ug/kg	
11104-28-2	Aroclor 1221	ND	29	19	ug/kg	
11141-16-5	Aroclor 1232	ND	29	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	29	11	ug/kg	
12672-29-6	Aroclor 1248	ND	29	5.9	ug/kg	
11097-69-1	Aroclor 1254	ND	29	7.4	ug/kg	
11096-82-5	Aroclor 1260	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		33-141%
877-09-8	Tetrachloro-m-xylene	55%		33-141%
2051-24-3	Decachlorobiphenyl	67%		32-154%
2051-24-3	Decachlorobiphenyl	60%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P17NB12-4'-8'
Lab Sample ID: JA27176-28 **Date Sampled:** 09/03/09
Matrix: SO - Soil **Date Received:** 09/03/09
Percent Solids: 98.0
Project: NWIRP, Steel Equities, Former Grumman Plant 3, Bethpage, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.51	0.51	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.51	0.51	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	5.5	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	5.3	2.5	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	3.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	09/15/09	09/16/09	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	7.4	4.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	18.2	2.0	mg/kg	1	09/15/09	09/16/09	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA23117
(2) Instrument QC Batch: MA23121
(3) Prep QC Batch: MP49621
(4) Prep QC Batch: MP49635

RL = Reporting Limit

9
10
11
12
13
21
22
23
24
30
31
32
34
35
43
44
45
46
1
2
1
9
4
5
6
7
8
12