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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CLR
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/08/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-4

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 57.9 g (dry wt.)
Percent Moisture: 46.6%
pH: NA
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	260
111-44-4	bis(2-Chloroethyl)Ether	17U
95-57-8	2-Chlorophenol	17U
541-73-1	1,3-Dichlorobenzene	17U
106-46-7	1,4-Dichlorobenzene	17U
100-51-6	Benzyl Alcohol	86U
95-50-1	1,2-Dichlorobenzene	17U
95-48-7	2-Methylphenol	17U
108-60-1	bis(2-chloroisopropyl)Ether	17U
106-44-5	4-Methylphenol	17U
621-64-7	N-Nitroso-Di-n-Propylamine	17U
67-72-1	Hexachloroethane	35U
98-95-3	Nitrobenzene	17U
78-59-1	Isophorone	17U
88-75-5	2-Nitrophenol	86U
105-67-9	2,4-Dimethylphenol	35U
65-85-0	Benzoic Acid	100 UM
111-91-1	bis(2-Chloroethoxy)Methane	17U
120-83-2	2,4-Dichlorophenol	52U
120-82-1	1,2,4-Trichlorobenzene	17U
91-20-3	Naphthalene	35
106-47-8	4-Chloroaniline	52U
87-68-3	Hexachlorobutadiene	35U
59-50-7	4-Chloro-3-Methylphenol	35U
91-57-6	2-Methylnaphthalene	24
77-47-4	Hexachlorocyclopentadiene	86U
88-06-2	2,4,6-Trichlorophenol	86U
95-95-4	2,4,5-Trichlorophenol	86U
91-58-7	2-Chloronaphthalene	17U
88-74-4	2-Nitroaniline	86U
131-11-3	Dimethyl Phthalate	20
208-96-8	Acenaphthylene	16J
99-09-2	3-Nitroaniline	86U

CAS Number		µg/Kg
83-32-9	Acenaphthene	35
51-28-5	2,4-Dinitrophenol	170U
100-02-7	4-Nitrophenol	86U
132-64-9	Dibenzofuran	44
121-14-2	2,4-Dinitrotoluene	86U
606-20-2	2,6-Dinitrotoluene	86U
84-66-2	Diethylphthalate	17U
7005-72-3	4-Chlorophenyl-phenylether	17U
86-73-7	Fluorene	57
100-01-6	4-Nitroaniline	86U
534-52-1	4,6-Dinitro-2-Methylphenol	170U
86-30-6	N-Nitrosodiphenylamine(1)	17U
101-55-3	4-Bromophenyl-phenylether	17U
118-74-1	Hexachlorobenzene	17U
87-86-5	Pentachlorophenol	86U
85-01-8	Phenanthrene	470
120-12-7	Anthracene	250
84-74-2	Di-n-Butylphthalate	33
206-44-0	Fluoranthene	770
129-00-0	Pyrene	940
85-68-7	Butylbenzylphthalate	44
91-94-1	3,3'-Dichlorobenzidine	86U
56-55-3	Benzo(a)Anthracene	410
117-81-7	bis(2-Ethylhexyl)Phthalate	810
218-01-9	Chrysene	460
117-84-0	Di-n-Octyl Phthalate	70
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	860
50-32-8	Benzo(a)Pyrene	240
193-39-5	Indeno(1,2,3-cd)Pyrene	180
53-70-3	Dibenz(a,h)Anthracene	61
191-24-2	Benzo(ghi)Perylene	13J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	55.1%
2-Fluorobiphenyl	70.2%
d14-p-Terphenyl	93.3%

*Acid surrogate recoveries

d5-Phenol	62.8%
2-Fluorophenol	48.4%
2,4,6-Tribromophenol	75.1%

SCL 04729

CTY0049739

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CMR
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/08/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-5
1 to 2 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 59.0 g (dry wt.)
Percent Moisture: 47.4%
pH: NA
Conc/Dilution: 1 to 2
Total Dilution: 1 to 2 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	68U
111-44-4	bis(2-Chloroethyl)Ether	34U
95-57-8	2-Chlorophenol	34U
541-73-1	1,3-Dichlorobenzene	34U
106-46-7	1,4-Dichlorobenzene	34U
100-51-6	Benzyl Alcohol	170U
95-50-1	1,2-Dichlorobenzene	34U
95-48-7	2-Methylphenol	34U
108-60-1	bis(2-chloroisopropyl)Ether	34U
106-44-5	4-Methylphenol	34U
621-64-7	N-Nitroso-Di-n-Propylamine	34U
67-72-1	Hexachloroethane	68U
98-95-3	Nitrobenzene	34U
78-59-1	Isophorone	34U
88-75-5	2-Nitrophenol	170U
105-67-9	2,4-Dimethylphenol	68U
65-85-0	Benzoic Acid	340U
111-91-1	bis(2-Chloroethoxy)Methane	34U
120-83-2	2,4-Dichlorophenol	100U
120-82-1	1,2,4-Trichlorobenzene	34U
91-20-3	Naphthalene	34U
106-47-8	4-Chloroaniline	100U
87-68-3	Hexachlorobutadiene	68U
59-50-7	4-Chloro-3-Methylphenol	68U
91-57-6	2-Methylnaphthalene	37 M
77-47-4	Hexachlorocyclopentadiene	170U
88-06-2	2,4,6-Trichlorophenol	170U
95-95-4	2,4,5-Trichlorophenol	170U
91-58-7	2-Chloronaphthalene	34U
88-74-4	2-Nitroaniline	170U
131-11-3	Dimethyl Phthalate	34U
208-96-8	Acenaphthylene	34
99-09-2	3-Nitroaniline	170U

CAS Number		µg/Kg
83-32-9	Acenaphthene	44
51-28-5	2,4-Dinitrophenol	340U
100-02-7	4-Nitrophenol	170U
132-64-9	Dibenzofuran	45
121-14-2	2,4-Dinitrotoluene	170U
606-20-2	2,6-Dinitrotoluene	170U
84-66-2	Diethylphthalate	34U
7005-72-3	4-Chlorophenyl-phenylether	34U
86-73-7	Fluorene	63
100-01-6	4-Nitroaniline	170U
534-52-1	4,6-Dinitro-2-Methylphenol	340U
86-30-6	N-Nitrosodiphenylamine(1)	34U
101-55-3	4-Bromophenyl-phenylether	34U
118-74-1	Hexachlorobenzene	34U
87-86-5	Pentachlorophenol	170U
85-01-8	Phenanthrene	740
120-12-7	Anthracene	160
84-74-2	Di-n-Butylphthalate	34U
206-44-0	Fluoranthene	1400
129-00-0	Pyrene	2500
85-68-7	Butylbenzylphthalate	34U
91-94-1	3,3'-Dichlorobenzidine	170U
56-55-3	Benzo(a)Anthracene	880
117-81-7	bis(2-Ethylhexyl)Phthalate	3600
218-01-9	Chrysene	920
117-84-0	Di-n-Octyl Phthalate	34U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1900
50-32-8	Benzo(a)Pyrene	490
193-39-5	Indeno(1,2,3-cd)Pyrene	450
53-70-3	Dibenz(a,h)Anthracene	160
191-24-2	Benzo(ghi)Perylene	53

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	65.6%
2-Fluorobiphenyl	87.7%
d14-p-Terphenyl	116%

*Acid surrogate recoveries

d5-Phenol	77.2%
2-Fluorophenol	72.0%
2,4,6-Tribromophenol	34.2%

SCL 04730

CTY0049740

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CNR
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/08/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-6
Reanalysis-1 to 2 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 61.1 g (dry wt.)
Percent Moisture: 46.2%
pH: NA
Conc/Dilution: 1 to 2
Total Dilution: 1 to 2 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	75 M
111-44-4	bis(2-Chloroethyl)Ether	33 U
95-57-8	2-Chlorophenol	33 U
541-73-1	1,3-Dichlorobenzene	33 U
106-46-7	1,4-Dichlorobenzene	33 U
100-51-6	Benzyl Alcohol	160 U
95-50-1	1,2-Dichlorobenzene	33 U
95-48-7	2-Methylphenol	33 U
108-60-1	bis(2-chloroisopropyl)Ether	33 U
106-44-5	4-Methylphenol	93
621-64-7	N-Nitroso-Di-n-Propylamine	33 U
67-72-1	Hexachloroethane	66 U
98-95-3	Nitrobenzene	33 U
78-59-1	Isophorone	33 U
88-75-5	2-Nitrophenol	160 U
105-67-9	2,4-Dimethylphenol	66 U
65-85-0	Benzoic Acid	130 J
111-91-1	bis(2-Chloroethoxy)Methane	33 U
120-83-2	2,4-Dichlorophenol	98 U
120-82-1	1,2,4-Trichlorobenzene	33 U
91-20-3	Naphthalene	130
106-47-8	4-Chloroaniline	98 U
87-68-3	Hexachlorobutadiene	66 U
59-50-7	4-Chloro-3-Methylphenol	66 U
91-57-6	2-Methylnaphthalene	120
77-47-4	Hexachlorocyclopentadiene	160 U
88-06-2	2,4,6-Trichlorophenol	160 U
95-95-4	2,4,5-Trichlorophenol	160 U
91-58-7	2-Chloronaphthalene	33 U
88-74-4	2-Nitroaniline	160 U
131-11-3	Dimethyl Phthalate	98 U
208-96-8	Acenaphthylene	75
99-09-2	3-Nitroaniline	160 U

CAS Number		µg/Kg
83-32-9	Acenaphthene	250
51-28-5	2,4-Dinitrophenol	330 U
100-02-7	4-Nitrophenol	160 U
132-64-9	Dibenzofuran	220
121-14-2	2,4-Dinitrotoluene	160 U
606-20-2	2,6-Dinitrotoluene	160 U
84-66-2	Diethylphthalate	33 U
7005-72-3	4-Chlorophenyl-phenylether	33 U
86-73-7	Fluorene	390
100-01-6	4-Nitroaniline	160 U
534-52-1	4,6-Dinitro-2-Methylphenol	330 U
86-30-6	N-Nitrosodiphenylamine(1)	780
101-55-3	4-Bromophenyl-phenylether	33 U
118-74-1	Hexachlorobenzene	33 U
87-86-5	Pentachlorophenol	160 U
85-01-8	Phenanthrene	8000
120-12-7	Anthracene	2800
84-74-2	Di-n-Butylphthalate	200 M
206-44-0	Fluoranthene	3000
129-00-0	Pyrene	1900
85-68-7	Butylbenzylphthalate	500
91-94-1	3,3'-Dichlorobenzidine	160 U
56-55-3	Benzo(a)Anthracene	2000
117-81-7	bis(2-Ethylhexyl)Phthalate	11000 K
218-01-9	Chrysene	2900
117-84-0	Di-n-Octyl Phthalate	2700
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	4600
50-32-8	Benzo(a)Pyrene	1300
193-39-5	Indeno(1,2,3-cd)Pyrene	1400
53-70-3	Dibenz(a,h)Anthracene	670
191-24-2	Benzo(ghi)Perylene	100

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	60.5%
2-Fluorobiphenyl	84.6%
d14-p-Terphenyl	149%

*Acid surrogate recoveries

d5-Phenol	64.8%
2-Fluorophenol	51.8%
2,4,6-Tribromophenol	56.9%

SCL 04731

CTY0049741

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CO
Matrix: Soils/Sediments

Sample No: SL4-7
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Sample Wt: 57.6 g (dry wt.)
Percent Moisture: 47.4%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

CAS Number		ug/Kg
108-95-2	Phenol	170U
111-44-4	bis(2-Chloroethyl)Ether	87U
95-57-8	2-Chlorophenol	87U
541-73-1	1,3-Dichlorobenzene	87U
106-46-7	1,4-Dichlorobenzene	87U
100-51-6	Benzyl Alcohol	430U
95-50-1	1,2-Dichlorobenzene	87U
95-48-7	2-Methylphenol	87U
108-60-1	bis(2-chloroisopropyl)Ether	87U
106-44-5	4-Methylphenol	87U
621-64-7	N-Nitroso-Di-n-Propylamine	87U
67-72-1	Hexachloroethane	170U
98-95-3	Nitrobenzene	87U
78-59-1	Isophorone	87U
88-75-5	2-Nitrophenol	430U
105-67-9	2,4-Dimethylphenol	170U
65-85-0	Benzoic Acid	870U
111-91-1	bis(2-Chloroethoxy)Methane	87U
120-83-2	2,4-Dichlorophenol	260U
120-82-1	1,2,4-Trichlorobenzene	87U
91-20-3	Naphthalene	110
106-47-8	4-Chloroaniline	260U
87-68-3	Hexachlorobutadiene	170U
59-50-7	4-Chloro-3-Methylphenol	170U
91-57-6	2-Methylnaphthalene	71 J
77-47-4	Hexachlorocyclopentadiene	430U
88-06-2	2,4,6-Trichlorophenol	430U
95-95-4	2,4,5-Trichlorophenol	430U
91-58-7	2-Chloronaphthalene	87U
88-74-4	2-Nitroaniline	430U
131-11-3	Dimethyl Phthalate	87U
208-96-8	Acenaphthylene	140
99-09-2	3-Nitroaniline	430U

CAS Number		ug/Kg
83-32-9	Acenaphthene	1300
51-28-5	2,4-Dinitrophenol	870U
100-02-7	4-Nitrophenol	430U
132-64-9	Dibenzofuran	280
121-14-2	2,4-Dinitrotoluene	430U
606-20-2	2,6-Dinitrotoluene	430U
84-66-2	Diethylphthalate	87U
7005-72-3	4-Chlorophenyl-phenylether	87U
86-73-7	Fluorene	260
100-01-6	4-Nitroaniline	430U
534-52-1	4,6-Dinitro-2-Methylphenol	870U
86-30-6	N-Nitrosodiphenylamine(1)	87U
101-55-3	4-Bromophenyl-phenylether	87U
118-74-1	Hexachlorobenzene	87U
87-86-5	Pentachlorophenol	430U
85-01-8	Phenanthrene	1800
120-12-7	Anthracene	900
84-74-2	Di-n-Butylphthalate	110
206-44-0	Fluoranthene	13000
129-00-0	Pyrene	9900
85-68-7	Butylbenzylphthalate	87U
91-94-1	3,3'-Dichlorobenzidine	430U
56-55-3	Benzo(a)Anthracene	3900
117-81-7	bis(2-Ethylhexyl)Phthalate	8600
218-01-9	Chrysene	3800
117-84-0	Di-n-Octyl Phthalate	1100
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	6500
50-32-8	Benzo(a)Pyrene	1700
193-39-5	Indeno(1,2,3-cd)Pyrene	1300
53-70-3	Dibenz(a,h)Anthracene	470
191-24-2	Benzo(ghi)Perylene	100

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	50.0%
2-Fluorobiphenyl	62.6%
d14-p-Terphenyl	74.6%

*Acid surrogate recoveries

d5-Phenol	50.0%
2-Fluorophenol	43.4%
2,4,6-Tribromophenol	54.0%

SCL 04732

CTY0049742

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CP
Matrix: Soils/Sediments

Sample No: SL4-8
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Date Release Authorized: MAU
Report prepared 05/21/90 MAC:E

Sample Wt: 70.7 g (dry wt.)
Percent Moisture: 36.3%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	140U
111-44-4	bis(2-Chloroethyl)Ether	71U
95-57-8	2-Chlorophenol	71U
541-73-1	1,3-Dichlorobenzene	71U
106-46-7	1,4-Dichlorobenzene	71U
100-51-6	Benzyl Alcohol	350U
95-50-1	1,2-Dichlorobenzene	71U
95-48-7	2-Methylphenol	71U
108-60-1	bis(2-chloroisopropyl)Ether	71U
106-44-5	4-Methylphenol	71U
621-64-7	N-Nitroso-Di-n-Propylamine	71U
67-72-1	Hexachloroethane	140U
98-95-3	Nitrobenzene	71U
78-59-1	Isophorone	71U
88-75-5	2-Nitrophenol	350U
105-67-9	2,4-Dimethylphenol	140U
65-85-0	Benzoic Acid	710U
111-91-1	bis(2-Chloroethoxy)Methane	71U
120-83-2	2,4-Dichlorophenol	212U
120-82-1	1,2,4-Trichlorobenzene	71U
91-20-3	Naphthalene	69J
106-47-8	4-Chloroaniline	212U
87-68-3	Hexachlorobutadiene	140U
59-50-7	4-Chloro-3-Methylphenol	140U
91-57-6	2-Methylnaphthalene	36M
77-47-4	Hexachlorocyclopentadiene	350U
88-06-2	2,4,6-Trichlorophenol	350U
95-95-4	2,4,5-Trichlorophenol	350U
91-58-7	2-Chloronaphthalene	71U
88-74-4	2-Nitroaniline	350U
131-11-3	Dimethyl Phthalate	71U
208-96-8	Acenaphthylene	80
99-09-2	3-Nitroaniline	350U

CAS Number		µg/Kg
83-32-9	Acenaphthene	230
51-28-5	2,4-Dinitrophenol	710U
100-02-7	4-Nitrophenol	350U
132-64-9	Dibenzofuran	120
121-14-2	2,4-Dinitrotoluene	350U
606-20-2	2,6-Dinitrotoluene	350U
84-66-2	Diethylphthalate	71U
7005-72-3	4-Chlorophenyl-phenylether	71U
86-73-7	Fluorene	260
100-01-6	4-Nitroaniline	350U
534-52-1	4,6-Dinitro-2-Methylphenol	710U
86-30-6	N-Nitrosodiphenylamine(1)	71U
101-55-3	4-Bromophenyl-phenylether	71U
118-74-1	Hexachlorobenzene	71U
87-86-5	Pentachlorophenol	350U
85-01-8	Phenanthrene	3000
120-12-7	Anthracene	700
84-74-2	Di-n-Butylphthalate	120
206-44-0	Fluoranthene	7300
129-00-0	Pyrene	5100
85-68-7	Butylbenzylphthalate	71U
91-94-1	3,3'-Dichlorobenzidine	350U
56-55-3	Benzo(a)Anthracene	2500
117-81-7	bis(2-Ethylhexyl)Phthalate	3700
218-01-9	Chrysene	3000
117-84-0	Di-n-Octyl Phthalate	400
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	5100
50-32-8	Benzo(a)Pyrene	1700
193-39-5	Indeno(1,2,3-cd)Pyrene	1200
53-70-3	Dibenz(a,h)Anthracene	430
191-24-2	Benzo(ghi)Perylene	98

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	55.4%
2-Fluorobiphenyl	69.7%
d14-o-Terphenyl	72.6%

*Acid surrogate recoveries

d5-Phenol	59.8%
2-Fluorophenol	53.5%
2,4,6-Tribromophenol	61.1%

SCL 04733

CTY0049743

SEA290221

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CQ
Matrix: Soils/Sediments

Date Release Authorized: MAW
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-9
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 83.4 g (dry wt.)
Percent Moisture: 22.4%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	120U
111-44-4	bis(2-Chloroethyl)Ether	60U
95-57-8	2-Chlorophenol	60U
541-73-1	1,3-Dichlorobenzene	60U
106-46-7	1,4-Dichlorobenzene	60U
100-51-6	Benzyl Alcohol	300U
95-50-1	1,2-Dichlorobenzene	60U
95-48-7	2-Methylphenol	60U
108-60-1	bis(2-chloroisopropyl)Ether	60U
106-44-5	4-Methylphenol	60U
621-64-7	N-Nitroso-Di-n-Propylamine	60U
67-72-1	Hexachloroethane	120U
98-95-3	Nitrobenzene	60U
78-59-1	Isophorone	60U
88-75-5	2-Nitrophenol	300U
105-67-9	2,4-Dimethylphenol	120U
65-85-0	Benzoic Acid	600U
111-91-1	bis(2-Chloroethoxy)Methane	60U
120-83-2	2,4-Dichlorophenol	180U
120-82-1	1,2,4-Trichlorobenzene	60U
91-20-3	Naphthalene	41 J
106-47-8	4-Chloroaniline	180U
87-68-3	Hexachlorobutadiene	120U
59-50-7	4-Chloro-3-Methylphenol	120U
91-57-6	2-Methylnaphthalene	25 J
77-47-4	Hexachlorocyclopentadiene	300U
88-06-2	2,4,6-Trichlorophenol	300U
95-95-4	2,4,5-Trichlorophenol	300U
91-58-7	2-Chloronaphthalene	60U
88-74-4	2-Nitroaniline	300U
131-11-3	Dimethyl Phthalate	60U
208-96-8	Acenaphthylene	60U
99-09-2	3-Nitroaniline	300U

CAS Number		µg/Kg
83-32-9	Acenaphthene	250
51-28-5	2,4-Dinitrophenol	600U
100-02-7	4-Nitrophenol	300U
132-64-9	Dibenzofuran	150
121-14-2	2,4-Dinitrotoluene	300U
606-20-2	2,6-Dinitrotoluene	300U
84-66-2	Diethylphthalate	60U
7005-72-3	4-Chlorophenyl-phenylether	60U
86-73-7	Fluorene	260
100-01-6	4-Nitroaniline	300U
534-52-1	4,6-Dinitro-2-Methylphenol	600U
86-30-6	N-Nitrosodiphenylamine(1)	60U
101-55-3	4-Bromophenyl-phenylether	60U
118-74-1	Hexachlorobenzene	60U
87-86-5	Pentachlorophenol	300U
85-01-8	Phenanthrene	830
120-12-7	Anthracene	300
84-74-2	Di-n-Butylphthalate	62
206-44-0	Fluoranthene	2000
129-00-0	Pyrene	1800
85-68-7	Butylbenzylphthalate	60U
91-94-1	3,3'-Dichlorobenzidine	300U
56-55-3	Benzo(a)Anthracene	590
117-81-7	bis(2-Ethylhexyl)Phthalate	1100
218-01-9	Chrysene	740
117-84-0	Di-n-Octyl Phthalate	600
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1400
50-32-8	Benzo(a)Pyrene	420
193-39-5	Indeno(1,2,3-cd)Pyrene	320
53-70-3	Dibenz(a,h)Anthracene	95
191-24-2	Benzo(ghi)Perylene	35 M

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	71.0%
2-Fluorobiphenyl	90.4%
d14-p-Terphenyl	109%

*Acid surrogate recoveries

d5-Phenol	76.9%
2-Fluorophenol	68.4%
2,4,6-Tribromophenol	83.1%

SCL 04734

CTY0049744

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CR
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-10
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 04/23/90

Sample Wt: 76.7 g (dry wt.)
Percent Moisture: 32.2%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	130U
111-44-4	bis(2-Chloroethyl)Ether	65U
95-57-8	2-Chlorophenol	65U
541-73-1	1,3-Dichlorobenzene	65U
106-46-7	1,4-Dichlorobenzene	65U
100-51-6	Benzyl Alcohol	330U
95-50-1	1,2-Dichlorobenzene	65U
95-48-7	2-Methylphenol	65U
108-60-1	bis(2-chloroisopropyl)Ether	65U
106-44-5	4-Methylphenol	65U
621-64-7	N-Nitroso-Di-n-Propylamine	65U
67-72-1	Hexachloroethane	130U
98-95-3	Nitrobenzene	65U
78-59-1	Isophorone	65U
88-75-5	2-Nitrophenol	330U
105-67-9	2,4-Dimethylphenol	130U
65-85-0	Benzoic Acid	650U
111-91-1	bis(2-Chloroethoxy)Methane	65U
120-83-2	2,4-Dichlorophenol	196U
120-82-1	1,2,4-Trichlorobenzene	65U
91-20-3	Naphthalene	73
106-47-8	4-Chloroaniline	196U
87-68-3	Hexachlorobutadiene	130U
59-50-7	4-Chloro-3-Methylphenol	130U
91-57-6	2-Methylnaphthalene	65U
77-47-4	Hexachlorocyclopentadiene	330U
88-06-2	2,4,6-Trichlorophenol	330U
95-95-4	2,4,5-Trichlorophenol	330U
91-58-7	2-Chloronaphthalene	65U
88-74-4	2-Nitroaniline	330U
131-11-3	Dimethyl Phthalate	65U
208-96-8	Acenaphthylene	65U
99-09-2	3-Nitroaniline	330U

CAS Number		µg/Kg
83-32-9	Acenaphthene	65U
51-28-5	2,4-Dinitrophenol	650U
100-02-7	4-Nitrophenol	330U
132-64-9	Dibenzofuran	65U
121-14-2	2,4-Dinitrotoluene	330U
606-20-2	2,6-Dinitrotoluene	330U
84-66-2	Diethylphthalate	65U
7005-72-3	4-Chlorophenyl-phenylether	65U
86-73-7	Fluorene	29J
100-01-6	4-Nitroaniline	330U
534-52-1	4,6-Dinitro-2-Methylphenol	650U
86-30-6	N-Nitrosodiphenylamine(1)	65U
101-55-3	4-Bromophenyl-phenylether	65U
118-74-1	Hexachlorobenzene	65U
87-86-5	Pentachlorophenol	330U
85-01-8	Phenanthrene	480
120-12-7	Anthracene	190
84-74-2	Di-n-Butylphthalate	65U
206-44-0	Fluoranthene	1400
129-00-0	Pyrene	1200
85-68-7	Butylbenzylphthalate	47J
91-94-1	3,3'-Dichlorobenzidine	330U
56-55-3	Benzo(a)Anthracene	540
117-81-7	bis(2-Ethylhexyl)Phthalate	2200
218-01-9	Chrysene	750
117-84-0	Di-n-Octyl Phthalate	520
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1200
50-32-8	Benzo(a)Pyrene	410
193-39-5	Indeno(1,2,3-cd)Pyrene	300
53-70-3	Dibenz(a,h)Anthracene	100
191-24-2	Benzo(ghi)Perylene	31J

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	71.0%
2-Fluorobiphenyl	92.8%
d14-p-Terphenyl	91.3%

***Acid surrogate recoveries**

d5-Phenol	80.0%
2-Fluorophenol	72.3%
2,4,6-Tribromophenol	81.2%

SCL 04735

CTY0049745

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CS
Matrix: Soils/Sediments

Sample No: SL4-11
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Date Release Authorized: MW

Report prepared 05/21/90 MAC:E

Sample Wt: 90.5 g (dry wt.)
Percent Moisture: 20.4%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	110U
111-44-4	bis(2-Chloroethyl)Ether	55U
95-57-8	2-Chlorophenol	55U
541-73-1	1,3-Dichlorobenzene	55U
106-46-7	1,4-Dichlorobenzene	55U
100-51-6	Benzyl Alcohol	280U
95-50-1	1,2-Dichlorobenzene	55U
95-48-7	2-Methylphenol	55U
108-60-1	bis(2-chloroisopropyl)Ether	55U
106-44-5	4-Methylphenol	55U
621-64-7	N-Nitroso-Di-n-Propylamine	55U
67-72-1	Hexachloroethane	110U
98-95-3	Nitrobenzene	55U
78-59-1	Isophorone	55U
88-75-5	2-Nitrophenol	280U
105-67-9	2,4-Dimethylphenol	110U
65-85-0	Benzoic Acid	550U
111-91-1	bis(2-Chloroethoxy)Methane	55U
120-83-2	2,4-Dichlorophenol	170U
120-82-1	1,2,4-Trichlorobenzene	55U
91-20-3	Naphthalene	55U
106-47-8	4-Chloroaniline	170U
87-68-3	Hexachlorobutadiene	110U
59-50-7	4-Chloro-3-Methylphenol	110U
91-57-6	2-Methylnaphthalene	55U
77-47-4	Hexachlorocyclopentadiene	280U
88-06-2	2,4,6-Trichlorophenol	280U
95-95-4	2,4,5-Trichlorophenol	280U
91-58-7	2-Chloronaphthalene	55U
88-74-4	2-Nitroaniline	280U
131-11-3	Dimethyl Phthalate	55U
208-96-8	Acenaphthylene	55U
99-09-2	3-Nitroaniline	280U

CAS Number		µg/Kg
83-32-9	Acenaphthene	55U
51-28-5	2,4-Dinitrophenol	550U
100-02-7	4-Nitrophenol	280U
132-64-9	Dibenzofuran	55U
121-14-2	2,4-Dinitrotoluene	280U
606-20-2	2,6-Dinitrotoluene	280U
84-66-2	Diethylphthalate	55U
7005-72-3	4-Chlorophenyl-phenylether	55U
86-73-7	Fluorene	55U
100-01-6	4-Nitroaniline	280U
534-52-1	4,6-Dinitro-2-Methylphenol	550U
86-30-6	N-Nitrosodiphenylamine(1)	55U
101-55-3	4-Bromophenyl-phenylether	55U
118-74-1	Hexachlorobenzene	55U
87-86-5	Pentachlorophenol	280U
85-01-8	**Phenanthrene**	37J
120-12-7	Anthracene	55U
84-74-2	Di-n-Butylphthalate	55U
206-44-0	**Fluoranthene**	100
129-00-0	**Pyrene**	120
85-68-7	Butylbenzylphthalate	55U
91-94-1	3,3'-Dichlorobenzidine	280U
56-55-3	**Benzo(a)Anthracene**	41J
117-81-7	**bis(2-Ethylhexyl)Phthalate**	250
218-01-9	**Chrysene**	67
117-84-0	**Di-n-Octyl Phthalate**	90
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	120
50-32-8	**Benzo(a)Pyrene**	47
193-39-5	**Indeno(1,2,3-cd)Pyrene**	36J
53-70-3	Dibenz(a,h)Anthracene	55U
191-24-2	Benzo(ghi)Perylene	55U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	65.8%
2-Fluorobiphenyl	91.7%
d14-p-Terphenyl	89.0%

***Acid surrogate recoveries**

d5-Phenol	76.2%
2-Fluorophenol	70.0%
2,4,6-Tribromophenol	79.9%

SCL 04736

CTY0049746

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CSMS
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-11
Matrix Spike-1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 94.8 g (dry wt.)
Percent Moisture: 20.4%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	-
111-44-4	bis(2-Chloroethyl)Ether	53U
95-57-8	2-Chlorophenol	-
541-73-1	1,3-Dichlorobenzene	53U
106-46-7	1,4-Dichlorobenzene	-
100-51-6	Benzyl Alcohol	260U
95-50-1	1,2-Dichlorobenzene	53U
95-48-7	2-Methylphenol	53U
108-60-1	bis(2-chloroisopropyl)Ether	53U
106-44-5	4-Methylphenol	53U
621-64-7	N-Nitroso-Di-n-Propylamine	-
67-72-1	Hexachloroethane	110U
98-95-3	Nitrobenzene	53U
78-59-1	Isophorone	53U
88-75-5	2-Nitrophenol	260U
105-67-9	2,4-Dimethylphenol	110U
65-85-0	Benzoic Acid	530U
111-91-1	bis(2-Chloroethoxy)Methane	53U
120-83-2	2,4-Dichlorophenol	160U
120-82-1	1,2,4-Trichlorobenzene	-
91-20-3	Naphthalene	53U
106-47-8	4-Chloroaniline	160U
87-68-3	Hexachlorobutadiene	110U
59-50-7	4-Chloro-3-Methylphenol	-
91-57-6	2-Methylnaphthalene	53U
77-47-4	Hexachlorocyclopentadiene	260U
88-06-2	2,4,6-Trichlorophenol	260U
95-95-4	2,4,5-Trichlorophenol	260U
91-58-7	2-Chloronaphthalene	53U
88-74-4	2-Nitroaniline	260U
131-11-3	Dimethyl Phthalate	53U
208-96-8	Acenaphthylene	53U
99-09-2	3-Nitroaniline	260U

CAS Number		µg/Kg
83-32-9	Acenaphthene	-
51-28-5	2,4-Dinitrophenol	530U
100-02-7	4-Nitrophenol	-
132-64-9	Dibenzofuran	53U
121-14-2	2,4-Dinitrotoluene	-
606-20-2	2,6-Dinitrotoluene	260U
84-66-2	Diethylphthalate	53U
7005-72-3	4-Chlorophenyl-phenylether	53U
86-73-7	Fluorene	53U
100-01-6	4-Nitroaniline	260U
534-52-1	4,6-Dinitro-2-Methylphenol	530U
86-30-6	N-Nitrosodiphenylamine(1)	53U
101-55-3	4-Bromophenyl-phenylether	53U
118-74-1	Hexachlorobenzene	53U
87-86-5	Pentachlorophenol	-
85-01-8	**Phenanthrene**	40J
120-12-7	**Anthracene**	63
84-74-2	Di-n-Butylphthalate	53U
206-44-0	**Fluoranthene**	180
129-00-0	Pyrene	-
85-68-7	Butylbenzylphthalate	53U
91-94-1	3,3'-Dichlorobenzidine	260U
56-55-3	**Benzo(a)Anthracene**	64
117-81-7	**bis(2-Ethylhexyl)Phthalate**	350
218-01-9	**Chrysene**	130
117-84-0	**Di-n-Octyl Phthalate**	140
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	170
50-32-8	**Benzo(a)Pyrene**	35J
193-39-5	**Indeno(1,2,3-cd)Pyrene**	47J
53-70-3	Dibenz(a,h)Anthracene	53U
191-24-2	Benzo(ghi)Perylene	53U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	71.4%
2-Fluorobiphenyl	98.5%
d14-o-Terphenyl	90.3%

***Acid surrogate recoveries**

d5-Phenol	87.8%
2-Fluorophenol	73.3%
2,4,6-Tribromophenol	83.3%

SCL 04737

CTY0049747

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CSMSD
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-11
Matrix Spike Dup.-1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 93.5 g (dry wt.)
Percent Moisture: 20.4%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	-
111-44-4	bis(2-Chloroethyl)Ether	54U
95-57-8	2-Chlorophenol	-
541-73-1	1,3-Dichlorobenzene	54U
106-46-7	1,4-Dichlorobenzene	-
100-51-6	Benzyl Alcohol	270U
95-50-1	1,2-Dichlorobenzene	54U
95-48-7	2-Methylphenol	54U
108-60-1	bis(2-chloroisopropyl)Ether	54U
106-44-5	4-Methylphenol	54U
621-64-7	N-Nitroso-Di-n-Propylamine	-
67-72-1	Hexachloroethane	110U
98-95-3	Nitrobenzene	54U
78-59-1	Isophorone	54U
88-75-5	2-Nitrophenol	270U
105-67-9	2,4-Dimethylphenol	110U
65-85-0	Benzoic Acid	530U
111-91-1	bis(2-Chloroethoxy)Methane	54U
120-83-2	2,4-Dichlorophenol	160U
120-82-1	1,2,4-Trichlorobenzene	-
91-20-3	Naphthalene	54U
106-47-8	4-Chloroaniline	160U
87-68-3	Hexachlorobutadiene	110U
59-50-7	4-Chloro-3-Methylphenol	-
91-57-6	2-Methylnaphthalene	54U
77-47-4	Hexachlorocyclopentadiene	270U
88-06-2	2,4,6-Trichlorophenol	270U
95-95-4	2,4,5-Trichlorophenol	270U
91-58-7	2-Chloronaphthalene	54U
88-74-4	2-Nitroaniline	270U
131-11-3	Dimethyl Phthalate	54U
208-96-8	Acenaphthylene	54U
99-09-2	3-Nitroaniline	270U

CAS Number		µg/Kg
83-32-9	Acenaphthene	-
51-28-5	2,4-Dinitrophenol	530U
100-02-7	4-Nitrophenol	-
132-64-9	Dibenzofuran	54U
121-14-2	2,4-Dinitrotoluene	-
606-20-2	2,6-Dinitrotoluene	270U
84-66-2	Diethylphthalate	54U
7005-72-3	4-Chlorophenyl-phenylether	54U
86-73-7	Fluorene	54U
100-01-6	4-Nitroaniline	270U
534-52-1	4,6-Dinitro-2-Methylphenol	530U
86-30-6	N-Nitrosodiphenylamine(1)	54U
101-55-3	4-Bromophenyl-phenylether	54U
118-74-1	Hexachlorobenzene	54U
87-86-5	Pentachlorophenol	-
85-01-8	**Phenanthrene**	**35J**
120-12-7	Anthracene	54U
84-74-2	Di-n-Butylphthalate	54U
206-44-0	**Fluoranthene**	**100**
129-00-0	Pyrene	-
85-68-7	Butylbenzylphthalate	54U
91-94-1	3,3'-Dichlorobenzidine	270U
56-55-3	**Benzo(a)Anthracene**	**43J**
117-81-7	**bis(2-Ethylhexyl)Phthalate**	**260**
218-01-9	**Chrysene**	**64**
117-84-0	**Di-n-Octyl Phthalate**	**79**
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	**110**
50-32-8	**Benzo(a)Pyrene**	**40J**
193-39-5	Indeno(1,2,3-cd)Pyrene	54U
53-70-3	Dibenz(a,h)Anthracene	54U
191-24-2	Benzo(ghi)Perylene	54U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	56.8%
2-Fluorobiphenyl	80.3%
d14-p-Terphenyl	79.0%

***Acid surrogate recoveries**

d5-Phenol	68.6%
2-Fluorophenol	59.5%
2,4,6-Tribromophenol	72.9%

SCL 04738

CTY0049748

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Chemists &
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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ARI Job No: 6125

Sample No: SL4-11

Client: Boeing
Project: B-247175
Marine Power

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONC (µg/Kg)	MS CONC (µg/Kg)	MS % REC	QC LIMITS REC
Phenol	1100	0	970	88.2	26-90
2-Chlorophenol	1100	0	970	88.2	25-102
1,4-Dichlorobenzene	530	0	350	66.0	28-104
N-Nitroso-Di-n-Propylamine	530	0	360	67.9	41-126
1,2,4-Trichlorobenzene	530	0	430	81.1	38-107
4-Chloro-3-Methylphenol	1100	0	1100	100	26-103
Acenaphthene	530	0	520	98.1	31-137
4-Nitrophenol	1100	0	1000	90.9	11-114
2,4-Dinitrotoluene	530	0	340	64.2	28-89
Pentachlorophenol	1100	0	400	36.4	17-109
Pyrene	530	110	620	96.2	35-142

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONC (µg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Phenol	1100	790	71.8	20	35	26-90
2-Chlorophenol	1100	810	73.6	18	50	25-102
1,4-Dichlorobenzene	530	290	54.7	19	27	28-104
N-Nitroso-Di-n-Propylamine	530	270	50.9	29	38	41-126
1,2,4-Trichlorobenzene	530	350	66.0	21	23	38-107
4-Chloro-3-Methylphenol	1100	970	88.2	13	33	26-103
Acenaphthene	530	440	83.0	17	19	31-137
4-Nitrophenol	1100	960	87.3	4.1	50	11-114
2,4-Dinitrotoluene	530	280	52.8	19	47	28-89
Pentachlorophenol	1100	320	29.1	22	47	17-109
Pyrene	530	510	75.5	24	36	35-142

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

Asterisked values outside QC Limits

Comments: 94.2 gm average dry weight sample size.

FORM III SV-2

SCL 04739

CTY0049749

SEA290227

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CJR
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/08/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-2

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 67.5 g (dry wt.)
Percent Moisture: 37.0%
pH: NA
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	30U
111-44-4	bis(2-Chloroethyl)Ether	15U
95-57-8	2-Chlorophenol	15U
541-73-1	1,3-Dichlorobenzene	15U
106-46-7	1,4-Dichlorobenzene	15U
100-51-6	Benzyl Alcohol	74U
95-50-1	1,2-Dichlorobenzene	15U
95-48-7	2-Methylphenol	15U
108-60-1	bis(2-chloroisopropyl)Ether	15U
106-44-5	4-Methylphenol	15U
621-64-7	N-Nitroso-Di-n-Propylamine	15U
67-72-1	Hexachloroethane	30U
98-95-3	Nitrobenzene	15U
78-59-1	Isophorone	15U
88-75-5	2-Nitrophenol	74U
105-67-9	2,4-Dimethylphenol	30U
65-85-0	Benzoic Acid	150U
111-91-1	bis(2-Chloroethoxy)Methane	15U
120-83-2	2,4-Dichlorophenol	44U
120-82-1	1,2,4-Trichlorobenzene	15U
91-20-3	Naphthalene	9.6 J
106-47-8	4-Chloroaniline	44U
87-68-3	Hexachlorobutadiene	30U
59-50-7	4-Chloro-3-Methylphenol	30U
91-57-6	2-Methylnaphthalene	6.1 J
77-47-4	Hexachlorocyclopentadiene	74U
88-06-2	2,4,6-Trichlorophenol	74U
95-95-4	2,4,5-Trichlorophenol	74U
91-58-7	2-Chloronaphthalene	15U
88-74-4	2-Nitroaniline	74U
131-11-3	Dimethyl Phthalate	13J
208-96-8	Acenaphthylene	11 J
99-09-2	3-Nitroaniline	74U

CAS Number		µg/Kg
83-32-9	Acenaphthene	16
51-28-5	2,4-Dinitrophenol	150U
100-02-7	4-Nitrophenol	74U
132-64-9	Dibenzofuran	13J
121-14-2	2,4-Dinitrotoluene	74U
606-20-2	2,6-Dinitrotoluene	74U
84-66-2	Diethylphthalate	15U
7005-72-3	4-Chlorophenyl-phenylether	15U
86-73-7	Fluorene	20
100-01-6	4-Nitroaniline	74U
534-52-1	4,6-Dinitro-2-Methylphenol	150U
86-30-6	N-Nitrosodiphenylamine(1)	15U
101-55-3	4-Bromophenyl-phenylether	15U
118-74-1	Hexachlorobenzene	15U
87-86-5	Pentachlorophenol	74U
85-01-8	Phenanthrene	240
120-12-7	Anthracene	79
84-74-2	Di-n-Butylphthalate	14J
206-44-0	Fluoranthene	540
129-00-0	Pyrene	610
85-68-7	Butylbenzylphthalate	15U
91-94-1	3,3'-Dichlorobenzidine	74U
56-55-3	Benzo(a)Anthracene	310
117-81-7	bis(2-Ethylhexyl)Phthalate	390
218-01-9	Chrysene	340
117-84-0	Di-n-Octyl Phthalate	15U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	600
50-32-8	Benzo(a)Pyrene	170
193-39-5	Indeno(1,2,3-cd)Pyrene	75
53-70-3	Dibenz(a,h)Anthracene	31
191-24-2	Benzo(ghi)Perylene	6.0 J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	40.3%
2-Fluorobiphenyl	73.4%
d14-p-Terphenyl	78.9%

*Acid surrogate recoveries

d5-Phenol	58.9%
2-Fluorophenol	38.5%
2,4,6-Tribromophenol	78.6%

SCL 04740

CTY0049750

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CK
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/10/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-3

QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 04/23/90

Sample Wt: 57.3 g (dry wt.)
Percent Moisture: 46.5%
pH: NA
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		ug/Kg
108-95-2	Phenol	43
111-44-4	bis(2-Chloroethyl)Ether	18U
95-57-8	2-Chlorophenol	18U
541-73-1	1,3-Dichlorobenzene	18U
106-46-7	1,4-Dichlorobenzene	18U
100-51-6	Benzyl Alcohol	87U
95-50-1	1,2-Dichlorobenzene	18U
95-48-7	2-Methylphenol	18U
108-60-1	bis(2-chloroisopropyl)Ether	18U
106-44-5	4-Methylphenol	18U
621-64-7	N-Nitroso-Di-n-Propylamine	18U
67-72-1	Hexachloroethane	35U
98-95-3	Nitrobenzene	18U
78-59-1	Isophorone	18U
88-75-5	2-Nitrophenol	87U
105-67-9	2,4-Dimethylphenol	35U
65-85-0	Benzoic Acid	170U
111-91-1	bis(2-Chloroethoxy)Methane	18U
120-83-2	2,4-Dichlorophenol	52U
120-82-1	1,2,4-Trichlorobenzene	18U
91-20-3	Naphthalene	16J
106-47-8	4-Chloroaniline	52U
87-68-3	Hexachlorobutadiene	35U
59-50-7	4-Chloro-3-Methylphenol	35U
91-57-6	2-Methylnaphthalene	5.8J
77-47-4	Hexachlorocyclopentadiene	87U
88-06-2	2,4,6-Trichlorophenol	87U
95-95-4	2,4,5-Trichlorophenol	87U
91-58-7	2-Chloronaphthalene	18U
88-74-4	2-Nitroaniline	87U
131-11-3	Dimethyl Phthalate	19
208-96-8	Acenaphthylene	8.1 M
99-09-2	3-Nitroaniline	87U

CAS Number		ug/Kg
83-32-9	Acenaphthene	13J
51-28-5	2,4-Dinitrophenol	170U
100-02-7	4-Nitrophenol	87U
132-64-9	Dibenzofuran	12J
121-14-2	2,4-Dinitrotoluene	87U
606-20-2	2,6-Dinitrotoluene	87U
84-66-2	Diethylphthalate	18U
7005-72-3	4-Chlorophenyl-phenylether	18U
86-73-7	Fluorene	23
100-01-6	4-Nitroaniline	87U
534-52-1	4,6-Dinitro-2-Methylphenol	170U
86-30-6	N-Nitrosodiphenylamine(1)	18U
101-55-3	4-Bromophenyl-phenylether	18U
118-74-1	Hexachlorobenzene	18U
87-86-5	Pentachlorophenol	87U
85-01-8	Phenanthrene	210
120-12-7	Anthracene	66
84-74-2	Di-n-Butylphthalate	29
206-44-0	Fluoranthene	470
129-00-0	Pyrene	370
85-68-7	Butylbenzylphthalate	18U
91-94-1	3,3'-Dichlorobenzidine	87U
56-55-3	Benzo(a)Anthracene	170
117-81-7	bis(2-Ethylhexyl)Phthalate	430
218-01-9	Chrysene	270
117-84-0	Di-n-Octyl Phthalate	18U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	420
50-32-8	Benzo(a)Pyrene	110
193-39-5	Indeno(1,2,3-cd)Pyrene	86
53-70-3	Dibenz(a,h)Anthracene	29
191-24-2	Benzo(ghi)Perylene	8.5J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	66.6%
2-Fluorobiphenyl	75.1%
d14-o-Terphenyl	81.1%

*Acid surrogate recoveries

d5-Phenol	66.2%
2-Fluorophenol	64.7%
2,4,6-Tribromophenol	81.1%

SCL 04741

CTY0049751

SEA290229

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CT
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/09/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-12
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 81.6 g (dry wt.)
Percent Moisture: 23.2%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	120U
111-44-4	bis(2-Chloroethyl)Ether	61U
95-57-8	2-Chlorophenol	61U
541-73-1	1,3-Dichlorobenzene	61U
106-46-7	1,4-Dichlorobenzene	61U
100-51-6	Benzyl Alcohol	310U
95-50-1	1,2-Dichlorobenzene	61U
95-48-7	2-Methylphenol	61U
108-60-1	bis(2-chloroisopropyl)Ether	61U
106-44-5	4-Methylphenol	61U
621-64-7	N-Nitroso-Di-n-Propylamine	61U
67-72-1	Hexachloroethane	120U
98-95-3	Nitrobenzene	61U
78-59-1	Isophorone	61U
88-75-5	2-Nitrophenol	310U
105-67-9	2,4-Dimethylphenol	120U
65-85-0	Benzoic Acid	610U
111-91-1	bis(2-Chloroethoxy)Methane	61U
120-83-2	2,4-Dichlorophenol	180U
120-82-1	1,2,4-Trichlorobenzene	61U
91-20-3	Naphthalene	61U
106-47-8	4-Chloroaniline	180U
87-68-3	Hexachlorobutadiene	120U
59-50-7	4-Chloro-3-Methylphenol	120U
91-57-6	2-Methylnaphthalene	61U
77-47-4	Hexachlorocyclopentadiene	310U
88-06-2	2,4,6-Trichlorophenol	310U
95-95-4	2,4,5-Trichlorophenol	310U
91-58-7	2-Chloronaphthalene	61U
88-74-4	2-Nitroaniline	310U
131-11-3	Dimethyl Phthalate	61U
208-96-8	Acenaphthylene	61U
99-09-2	3-Nitroaniline	310U

CAS Number		µg/Kg
83-32-9	Acenaphthene	61U
51-28-5	2,4-Dinitrophenol	610U
100-02-7	4-Nitrophenol	310U
132-64-9	Dibenzofuran	61U
121-14-2	2,4-Dinitrotoluene	310U
606-20-2	2,6-Dinitrotoluene	310U
84-66-2	Diethylphthalate	61U
7005-72-3	4-Chlorophenyl-phenylether	61U
86-73-7	Fluorene	61U
100-01-6	4-Nitroaniline	310U
534-52-1	4,6-Dinitro-2-Methylphenol	610U
86-30-6	N-Nitrosodiphenylamine(1)	61U
101-55-3	4-Bromophenyl-phenylether	61U
118-74-1	Hexachlorobenzene	61U
87-86-5	Pentachlorophenol	310U
85-01-8	Phenanthrene	170
120-12-7	Anthracene	61J
84-74-2	Di-n-Butylphthalate	61U
206-44-0	Fluoranthene	1200
129-00-0	Pyrene	850
85-68-7	Butylbenzylphthalate	61U
91-94-1	3,3'-Dichlorobenzidine	310U
56-55-3	Benzo(a)Anthracene	240
117-81-7	bis(2-Ethylhexyl)Phthalate	990
218-01-9	Chrysene	570
117-84-0	Di-n-Octyl Phthalate	110
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	440
50-32-8	Benzo(a)Pyrene	140
193-39-5	Indeno(1,2,3-cd)Pyrene	73
53-70-3	Dibenz(a,h)Anthracene	61U
191-24-2	Benzo(ghi)Perylene	61U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	58.2%
2-Fluorobiphenyl	94.1%
d14-p-Terphenyl	101%

*Acid surrogate recoveries

d5-Phenol	75.5%
2-Fluorophenol	69.6%
2,4,6-Tribromophenol	89.4%

SCL 04742

CTY0049752

SEA290230

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125CU
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/21/90 MAC:E

Date extracted: 04/30/90
Analyzed (FINN 2): 05/10/90
GPC Clean-up: YES (1 of 2)

Sample No: SL4-13
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 04/23/90

Sample Wt: 57.9 g (dry wt.)
Percent Moisture: 48.1%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	170U
111-44-4	bis(2-Chloroethyl)Ether	86U
95-57-8	2-Chlorophenol	86U
541-73-1	1,3-Dichlorobenzene	86U
106-46-7	1,4-Dichlorobenzene	86U
100-51-6	Benzyl Alcohol	430U
95-50-1	1,2-Dichlorobenzene	86U
95-48-7	2-Methylphenol	86U
108-60-1	bis(2-chloroisopropyl)Ether	86U
106-44-5	4-Methylphenol	86U
621-64-7	N-Nitroso-Di-n-Propylamine	86U
67-72-1	Hexachloroethane	170U
98-95-3	Nitrobenzene	86U
78-59-1	Isophorone	86U
88-75-5	2-Nitrophenol	430U
105-67-9	2,4-Dimethylphenol	170U
65-85-0	Benzoic Acid	860U
111-91-1	bis(2-Chloroethoxy)Methane	86U
120-83-2	2,4-Dichlorophenol	260U
120-82-1	1,2,4-Trichlorobenzene	86U
91-20-3	Naphthalene	86U
106-47-8	4-Chloroaniline	260U
87-68-3	Hexachlorobutadiene	170U
59-50-7	4-Chloro-3-Methylphenol	170U
91-57-6	2-Methylnaphthalene	86U
77-47-4	Hexachlorocyclopentadiene	430U
88-06-2	2,4,6-Trichlorophenol	430U
95-95-4	2,4,5-Trichlorophenol	430U
91-58-7	2-Chloronaphthalene	86U
88-74-4	2-Nitroaniline	430U
131-11-3	Dimethyl Phthalate	86U
208-96-8	Acenaphthylene	86U
99-09-2	3-Nitroaniline	430U

CAS Number		µg/Kg
83-32-9	Acenaphthene	86U
51-28-5	2,4-Dinitrophenol	860U
100-02-7	4-Nitrophenol	430U
132-64-9	Dibenzofuran	86U
121-14-2	2,4-Dinitrotoluene	430U
606-20-2	2,6-Dinitrotoluene	430U
84-66-2	Diethylphthalate	86U
7005-72-3	4-Chlorophenyl-phenylether	86U
86-73-7	Fluorene	42J
100-01-6	4-Nitroaniline	430U
534-52-1	4,6-Dinitro-2-Methylphenol	860U
86-30-6	N-Nitrosodiphenylamine(1)	86U
101-55-3	4-Bromophenyl-phenylether	86U
118-74-1	Hexachlorobenzene	86U
87-86-5	Pentachlorophenol	430U
85-01-8	Phenanthrene	510
120-12-7	Anthracene	130
84-74-2	Di-n-Butylphthalate	86U
206-44-0	Fluoranthene	1300
129-00-0	Pyrene	1100
85-68-7	Butylbenzylphthalate	86U
91-94-1	3,3'-Dichlorobenzidine	430U
56-55-3	Benzo(a)Anthracene	520
117-81-7	bis(2-Ethylhexyl)Phthalate	1700
218-01-9	Chrysene	720
117-84-0	Di-n-Octyl Phthalate	86U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1300
50-32-8	Benzo(a)Pyrene	370
193-39-5	Indeno(1,2,3-cd)Pyrene	280
53-70-3	Dibenz(a,h)Anthracene	120 M
191-24-2	Benzo(ghi)Perylene	69 M

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	37.8%
2-Fluorobiphenyl	47.7%
d14-o-Terphenyl	45.4%

***Acid surrogate recoveries**

d5-Phenol	40.4%
2-Fluorophenol	37.3%
2,4,6-Tribromophenol	39.4%

SCL 04743

CTY0049753

SEA290231

ANALYTICAL RESOURCES INCORPORATED

Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-8490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125EV
Matrix: Soils/Sediments

Sample No: 1A-2-4

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 79.4 g (dry wt.)
Percent Moisture: 20.7%
pH: 6.55
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	25U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	63U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	63U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	38U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	38U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	25U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	63U
88-06-2	2,4,6-Trichlorophenol	63U
95-95-4	2,4,5-Trichlorophenol	63U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	63U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	63U

CAS Number		µg/Kg
83-32-9	Acenaphthene	13U
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	63U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	63U
606-20-2	2,6-Dinitrotoluene	63U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	63U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	63U
85-01-8	Phenanthrene	13U
120-12-7	Anthracene	13U
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	7.5J
129-00-0	Pyrene	15
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	63U
56-55-3	Benzo(a)Anthracene	13U
117-81-7	bis(2-Ethylhexyl)Phthalate	21
218-01-9	Chrysene	6.6J
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	Benzo(b)Fluoranthene	13U
207-08-9	Benzo(k)Fluoranthene	13U
50-32-8	Benzo(a)Pyrene	13U
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	43.8%
2-Fluorobiphenyl	59.7%
d14-p-Terphenyl	67.4%

*Acid surrogate recoveries

d5-Phenol	50.3%
2-Fluorophenol	48.4%
2,4,6-Tribromophenol	64.5%

SCL 04744

CTY0049754

SEA290232

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125EW
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

Sample No: 1A-5-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 84.4 g (dry wt.)
Percent Moisture: 20.1%
pH: 8.30
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	24U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	59U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	24U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	59U
105-67-9	2,4-Dimethylphenol	24U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	36U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	36U
87-68-3	Hexachlorobutadiene	24U
59-50-7	4-Chloro-3-Methylphenol	24U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	59U
88-06-2	2,4,6-Trichlorophenol	59U
95-95-4	2,4,5-Trichlorophenol	59U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	59U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	59U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12U
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	59U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	59U
606-20-2	2,6-Dinitrotoluene	59U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	59U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	59U
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	12U
129-00-0	Pyrene	12U
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	59U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	bis(2-Ethylhexyl)Phthalate	12U
218-01-9	Chrysene	12U
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene	12U
207-08-9	Benzo(k)Fluoranthene	12U
50-32-8	Benzo(a)Pyrene	12U
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	51.4%
2-Fluorobiphenyl	64.5%
d14-p-Terphenyl	71.2%

***Acid surrogate recoveries**

d5-Phenol	57.5%
2-Fluorophenol	56.6%
2,4,6-Tribromophenol	70.2%

SCL 04745

CTY0049755

SEA290233

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125EX
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 2A-2-3.75
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Sample Wt: 64.9 g (dry wt.)
Percent Moisture: 35.3%
pH: 8.60
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	150U
111-44-4	bis(2-Chloroethyl)Ether	77U
95-57-8	2-Chlorophenol	77U
541-73-1	1,3-Dichlorobenzene	77U
106-46-7	1,4-Dichlorobenzene	77U
100-51-6	Benzyl Alcohol	390U
95-50-1	1,2-Dichlorobenzene	77U
95-48-7	2-Methylphenol	77U
108-60-1	bis(2-chloroisopropyl)Ether	77U
106-44-5	4-Methylphenol	77U
621-64-7	N-Nitroso-Di-n-Propylamine	77U
67-72-1	Hexachloroethane	150U
98-95-3	Nitrobenzene	77U
78-59-1	Isophorone	77U
88-75-5	2-Nitrophenol	390U
105-67-9	2,4-Dimethylphenol	150U
65-85-0	Benzoic Acid	770U
111-91-1	bis(2-Chloroethoxy)Methane	77U
120-83-2	2,4-Dichlorophenol	230U
120-82-1	1,2,4-Trichlorobenzene	77U
91-20-3	Naphthalene	2800
106-47-8	4-Chloroaniline	230U
87-68-3	Hexachlorobutadiene	150U
59-50-7	4-Chloro-3-Methylphenol	150U
91-57-6	2-Methylnaphthalene	2000
77-47-4	Hexachlorocyclopentadiene	390U
88-06-2	2,4,6-Trichlorophenol	390U
95-95-4	2,4,5-Trichlorophenol	390U
91-58-7	2-Chloronaphthalene	77U
88-74-4	2-Nitroaniline	390U
131-11-3	Dimethyl Phthalate	77U
208-96-8	Acenaphthylene	77U
99-09-2	3-Nitroaniline	390U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12000
51-28-5	2,4-Dinitrophenol	770U
100-02-7	4-Nitrophenol	390U
132-64-9	Dibenzofuran	6500
121-14-2	2,4-Dinitrotoluene	390U
606-20-2	2,6-Dinitrotoluene	390U
84-66-2	Diethylphthalate	77U
7005-72-3	4-Chlorophenyl-phenylether	77U
86-73-7	Fluorene	11000
100-01-6	4-Nitroaniline	390U
534-52-1	4,6-Dinitro-2-Methylphenol	770U
86-30-6	N-Nitrosodiphenylamine(1)	77U
101-55-3	4-Bromophenyl-phenylether	77U
118-74-1	Hexachlorobenzene	77U
87-86-5	Pentachlorophenol	390U
85-01-8	Phenanthrene	39000 K
120-12-7	Anthracene	10000
84-74-2	Di-n-Butylphthalate	77U
206-44-0	Fluoranthene	39000 K
129-00-0	Pyrene	39000 K
85-68-7	Butylbenzylphthalate	77U
91-94-1	3,3'-Dichlorobenzidine	390U
56-55-3	Benzo(a)Anthracene	28000 K
117-81-7	bis(2-Ethylhexyl)Phthalate	340
218-01-9	Chrysene	15000 K
117-84-0	Di-n-Octyl Phthalate	77U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	24000 K
50-32-8	Benzo(a)Pyrene	11000
193-39-5	Indeno(1,2,3-cd)Pyrene	6700
53-70-3	Dibenz(a,h)Anthracene	3000
191-24-2	Benzo(ghi)Perylene	990

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	32.0%
2-Fluorobiphenyl	47.4%
d14-p-Terphenyl	72.1%

***Acid surrogate recoveries**

d5-Phenol	43.5%
2-Fluorophenol	41.7%
2,4,6-Tribromophenol	36.2%

SCL 04746

CTY0049756

SEA290234

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125EY
Matrix: Soils/Sediments

Sample No: 2A-4-6

QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Date Release Authorized: Mic
Report prepared 05/22/90 MAC:E

Sample Wt: 84.8 g (dry wt.)
Percent Moisture: 18.0%
pH: 6.96
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	24U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	59U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	24U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	59U
105-67-9	2,4-Dimethylphenol	24U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	35U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	35U
87-68-3	Hexachlorobutadiene	24U
59-50-7	4-Chloro-3-Methylphenol	24U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	59U
88-06-2	2,4,6-Trichlorophenol	59U
95-95-4	2,4,5-Trichlorophenol	59U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	59U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	59U

CAS Number		µg/Kg
83-32-9	Acenaphthene	11 J
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	59U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	59U
606-20-2	2,6-Dinitrotoluene	59U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	8.3 J
100-01-6	4-Nitroaniline	59U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	59U
85-01-8	Phenanthrene	92
120-12-7	Anthracene	27
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	100
129-00-0	Pyrene	460
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	59U
56-55-3	Benzo(a)Anthracene	37
117-81-7	bis(2-Ethylhexyl)Phthalate	12U
218-01-9	Chrysene	46
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	57
50-32-8	Benzo(a)Pyrene	400
193-39-5	Indeno(1,2,3-cd)Pyrene	100
53-70-3	Dibenz(a,h)Anthracene	5.4 M
191-24-2	Benzo(ghi)Perylene	180

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	51.3%
2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	66.6%

***Acid surrogate recoveries**

d5-Phenol	56.2%
2-Fluorophenol	54.4%
2,4,6-Tribromophenol	71.7%

SCL 04747

CTY0049757

SEA290235

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125EZ
Matrix: Soils/Sediments

Sample No: 3A-2-3
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: MAW
Report prepared 05/22/90 MAC:E

Sample Wt: 64.9 g (dry wt.)
Percent Moisture: 38.4%
pH: 8.24
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	150U
111-44-4	bis(2-Chloroethyl)Ether	77U
95-57-8	2-Chlorophenol	77U
541-73-1	1,3-Dichlorobenzene	77U
106-46-7	1,4-Dichlorobenzene	77U
100-51-6	Benzyl Alcohol	390U
95-50-1	1,2-Dichlorobenzene	77U
95-48-7	2-Methylphenol	77U
108-60-1	bis(2-chloroisopropyl)Ether	77U
106-44-5	4-Methylphenol	77U
621-64-7	N-Nitroso-Di-n-Propylamine	77U
67-72-1	Hexachloroethane	150U
98-95-3	Nitrobenzene	77U
78-59-1	Isophorone	77U
88-75-5	2-Nitrophenol	390U
105-67-9	2,4-Dimethylphenol	150U
65-85-0	Benzoic Acid	770U
111-91-1	bis(2-Chloroethoxy)Methane	77U
120-83-2	2,4-Dichlorophenol	230U
120-82-1	1,2,4-Trichlorobenzene	77U
91-20-3	Napnthalene	77U
106-47-8	4-Chloroaniline	230U
87-68-3	Hexachlorobutadiene	150U
59-50-7	4-Chloro-3-Methylphenol	150U
91-57-6	2-Methylnaphthalene	77U
77-47-4	Hexachlorocyclopentadiene	390U
88-06-2	2,4,6-Trichlorophenol	390U
95-95-4	2,4,5-Trichlorophenol	390U
91-58-7	2-Chloronaphthalene	77U
88-74-4	2-Nitroaniline	390U
131-11-3	Dimethyl Phthalate	77U
208-96-8	Acenaphthylene	77U
99-09-2	3-Nitroaniline	390U

CAS Number		µg/Kg
83-32-9	Acenaphthene	64J
51-28-5	2,4-Dinitrophenol	770U
100-02-7	4-Nitrophenol	390U
132-64-9	Dibenzofuran	30 M
121-14-2	2,4-Dinitrotoluene	390U
606-20-2	2,6-Dinitrotoluene	390U
84-66-2	Diethylphthalate	77U
7005-72-3	4-Chlorophenyl-phenylether	77U
86-73-7	Fluorene	67J
100-01-6	4-Nitroaniline	390U
534-52-1	4,6-Dinitro-2-Methylphenol	770U
86-30-6	N-Nitrosodiphenylamine(1)	77U
101-55-3	4-Bromophenyl-phenylether	77U
118-74-1	Hexachlorobenzene	77U
87-86-5	Pentachlorophenol	390U
85-01-8	Phenanthrene	650
120-12-7	Anthracene	270
84-74-2	Di-n-Butylphthalate	77U
206-44-0	Fluoranthene	1500
129-00-0	Pyrene	2400
85-68-7	Butylbenzylphthalate	77U
91-94-1	3,3'-Dichlorobenzidine	390U
56-55-3	Benzo(a)Anthracene	750
117-81-7	bis(2-Ethylhexyl)Phthalate	970
218-01-9	Chrysene	1000
117-84-0	Di-n-Octyl Phthalate	77U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	2000
50-32-8	Benzo(a)Pyrene	730
193-39-5	Indeno(1,2,3-cd)Pyrene	370
53-70-3	Dibenz(a,h)Anthracene	180
191-24-2	Benzo(ghi)Perylene	65J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	58.5%
2-Fluorobiphenyl	87.0%
d14-p-Terphenyl	103%

*Acid surrogate recoveries

d5-Phenol	66.1%
2-Fluorophenol	64.7%
2,4,6-Tribromophenol	91.3%

SCL 04748

CTY0049758

SEA290236

ANALYTICAL RESOURCES INCORPORATED

Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FA
Matrix: Soils/Sediments

Sample No: 3A-4-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 78.0 g (dry wt.)
Percent Moisture: 24.2%
pH: 7.77
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	26U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	64U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	26U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	64U
105-67-9	2,4-Dimethylphenol	26U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	39U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	39U
87-68-3	Hexachlorobutadiene	26U
59-50-7	4-Chloro-3-Methylphenol	26U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	64U
88-06-2	2,4,6-Trichlorophenol	64U
95-95-4	2,4,5-Trichlorophenol	64U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	64U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	5.3 M
99-09-2	3-Nitroaniline	64U

CAS Number		µg/Kg
83-32-9	Acenaphthene	4.1 M
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	64U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	64U
606-20-2	2,6-Dinitrotoluene	64U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	10J
100-01-6	4-Nitroaniline	64U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	64U
85-01-8	Phenanthrene	150
120-12-7	Anthracene	31
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	170
129-00-0	Pyrene	130
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	64U
56-55-3	Benzo(a)Anthracene	55
117-81-7	bis(2-Ethylhexyl)Phthalate	20
218-01-9	Chrysene	58
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	88
50-32-8	Benzo(a)Pyrene	48
193-39-5	Indeno(1,2,3-cd)Pyrene	24
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	43.6%
2-Fluorobiphenyl	62.3%
d14-o-Terphenyl	64.6%

***Acid surrogate recoveries**

d5-Phenol	48.2%
2-Fluorophenol	46.9%
2,4,6-Tribromophenol	68.7%

SCL 04749

CTY0049759

SEA290237

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FB
Matrix: Soils/Sediments

Sample No: 4A-2.5-4
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Sample Wt: 78.8 g (dry wt.)
Percent Moisture: 24.1%
pH: 8.34
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	130U
111-44-4	bis(2-Chloroethyl)Ether	64U
95-57-8	2-Chlorophenol	64U
541-73-1	1,3-Dichlorobenzene	64U
106-46-7	1,4-Dichlorobenzene	64U
100-51-6	Benzyl Alcohol	320U
95-50-1	1,2-Dichlorobenzene	64U
95-48-7	2-Methylphenol	64U
108-60-1	bis(2-chloroisopropyl)Ether	64U
106-44-5	4-Methylphenol	64U
621-64-7	N-Nitroso-Di-n-Propylamine	64U
67-72-1	Hexachloroethane	130U
98-95-3	Nitrobenzene	64U
78-59-1	Isophorone	64U
88-75-5	2-Nitrophenol	320U
105-67-9	2,4-Dimethylphenol	130U
65-85-0	Benzoic Acid	630U
111-91-1	bis(2-Chloroethoxy)Methane	64U
120-83-2	2,4-Dichlorophenol	190U
120-82-1	1,2,4-Trichlorobenzene	64U
91-20-3	Naphthalene	64
106-47-8	4-Chloroaniline	190U
87-68-3	Hexachlorobutadiene	130U
59-50-7	4-Chloro-3-Methylphenol	130U
91-57-6	2-Methylnaphthalene	64U
77-47-4	Hexachlorocyclopentadiene	320U
88-06-2	2,4,6-Trichlorophenol	320U
95-95-4	2,4,5-Trichlorophenol	320U
91-58-7	2-Chloronaphthalene	64U
88-74-4	2-Nitroaniline	320U
131-11-3	Dimethyl Phthalate	64U
208-96-8	Acenaphthylene	64U
99-09-2	3-Nitroaniline	320U

CAS Number		µg/Kg
83-32-9	Acenaphthene	39 J
51-28-5	2,4-Dinitrophenol	630U
100-02-7	4-Nitrophenol	320U
132-64-9	Dibenzofuran	27 J
121-14-2	2,4-Dinitrotoluene	320U
606-20-2	2,6-Dinitrotoluene	320U
84-66-2	Diethylphthalate	64U
7005-72-3	4-Chlorophenyl-phenylether	64U
86-73-7	Fluorene	54 J
100-01-6	4-Nitroaniline	320U
534-52-1	4,6-Dinitro-2-Methylphenol	630U
86-30-6	N-Nitrosodiphenylamine(1)	64U
101-55-3	4-Bromophenyl-phenylether	64U
118-74-1	Hexachlorobenzene	64U
87-86-5	Pentachlorophenol	320U
85-01-8	Phenanthrene	380
120-12-7	Anthracene	380
84-74-2	Di-n-Butylphthalate	64U
206-44-0	Fluoranthene	670
129-00-0	Pyrene	970
85-68-7	Butylbenzylphthalate	64U
91-94-1	3,3'-Dichlorobenzidine	320U
56-55-3	Benzo(a)Anthracene	280
117-81-7	bis(2-Ethylhexyl)Phthalate	510
218-01-9	Chrysene	450
117-84-0	Di-n-Octyl Phthalate	64U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	780
50-32-8	Benzo(a)Pyrene	290
193-39-5	Indeno(1,2,3-cd)Pyrene	190
53-70-3	Dibenz(a,h)Anthracene	85
191-24-2	Benzo(ghi)Perylene	64U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	60.6%
2-Fluorobiphenyl	89.0%
d14-o-Terphenyl	101%

***Acid surrogate recoveries**

d5-Phenol	67.9%
2-Fluorophenol	66.6%
2,4,6-Tribromophenol	89.2%

SCL 04750

CTY0049760

SEA290238

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FC
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

Sample No: 4A5-7.5

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 77.1 g (dry wt.)
Percent Moisture: 25.5%
pH: 8.86
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	26 U
111-44-4	bis(2-Chloroethyl)Ether	13 U
95-57-8	2-Chlorophenol	13 U
541-73-1	1,3-Dichlorobenzene	13 U
106-46-7	1,4-Dichlorobenzene	13 U
100-51-6	Benzyl Alcohol	65 U
95-50-1	1,2-Dichlorobenzene	13 U
95-48-7	2-Methylphenol	13 U
108-60-1	bis(2-chloroisopropyl)Ether	13 U
106-44-5	4-Methylphenol	13 U
621-64-7	N-Nitroso-Di-n-Propylamine	13 U
67-72-1	Hexachloroethane	26 U
98-95-3	Nitrobenzene	13 U
78-59-1	Isophorone	13 U
88-75-5	2-Nitrophenol	65 U
105-67-9	2,4-Dimethylphenol	26 U
65-85-0	Benzoic Acid	130 U
111-91-1	bis(2-Chloroethoxy)Methane	13 U
120-83-2	2,4-Dichlorophenol	39 U
120-82-1	1,2,4-Trichlorobenzene	13 U
91-20-3	Naphthalene	13 U
106-47-8	4-Chloroaniline	39 U
87-68-3	Hexachlorobutadiene	26 U
59-50-7	4-Chloro-3-Methylphenol	26 U
91-57-6	2-Methylnaphthalene	13 U
77-47-4	Hexachlorocyclopentadiene	65 U
88-06-2	2,4,6-Trichlorophenol	65 U
95-95-4	2,4,5-Trichlorophenol	65 U
91-58-7	2-Chloronaphthalene	13 U
88-74-4	2-Nitroaniline	65 U
131-11-3	Dimethyl Phthalate	13 U
208-96-8	Acenaphthylene	13 U
99-09-2	3-Nitroaniline	65 U

CAS Number		µg/Kg
83-32-9	Acenaphthene	13 U
51-28-5	2,4-Dinitrophenol	130 U
100-02-7	4-Nitrophenol	65 U
132-64-9	Dibenzofuran	13 U
121-14-2	2,4-Dinitrotoluene	65 U
606-20-2	2,6-Dinitrotoluene	65 U
84-66-2	Diethylphthalate	13 U
7005-72-3	4-Chlorophenyl-phenylether	13 U
86-73-7	Fluorene	13 U
100-01-6	4-Nitroaniline	65 U
534-52-1	4,6-Dinitro-2-Methylphenol	130 U
86-30-6	N-Nitrosodiphenylamine(1)	13 U
101-55-3	4-Bromophenyl-phenylether	13 U
118-74-1	Hexachlorobenzene	13 U
87-86-5	Pentachlorophenol	65 U
85-01-8	Phenanthrene	13 U
120-12-7	Anthracene	13 U
84-74-2	Di-n-Butylphthalate	13 U
206-44-0	Fluoranthene	13 U
129-00-0	**Pyrene**	**6.0 M**
85-68-7	Butylbenzylphthalate	13 U
91-94-1	3,3'-Dichlorobenzidine	65 U
56-55-3	Benzo(a)Anthracene	13 U
117-81-7	bis(2-Ethylhexyl)Phthalate	13 U
218-01-9	Chrysene	13 U
117-84-0	Di-n-Octyl Phthalate	13 U
205-99-2	Benzo(b)Fluoranthene	13 U
207-08-9	Benzo(k)Fluoranthene	13 U
50-32-8	Benzo(a)Pyrene	13 U
193-39-5	Indeno(1,2,3-cd)Pyrene	13 U
53-70-3	Dibenz(a,h)Anthracene	13 U
191-24-2	Benzo(ghi)Perylene	13 U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	51.9%
2-Fluorobiphenyl	62.5%
d14-p-Terphenyl	69.3%

***Acid surrogate recoveries**

d5-Phenol	56.5%
2-Fluorophenol	54.9%
2,4,6-Tribromophenol	71.8%

SCL 04751

CTY0049761

SEA290239

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FD
Matrix: Soils/Sediments

Sample No: 4A-7.5-9

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: MW

Report prepared 05/22/90 MAC:E

Sample Wt: 79.8 g (dry wt.)
Percent Moisture: 21.0%
pH: 6.90
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	25U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	63U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	63U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	38U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	38U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	25U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	63U
88-06-2	2,4,6-Trichlorophenol	63U
95-95-4	2,4,5-Trichlorophenol	63U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	63U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	63U

CAS Number		µg/Kg
83-32-9	Acenaphthene	13U
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	63U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	63U
606-20-2	2,6-Dinitrotoluene	63U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	63U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	63U
85-01-8	Phenanthrene	13U
120-12-7	Anthracene	13U
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	13U
129-00-0	Pyrene	13U
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	63U
56-55-3	Benzo(a)Anthracene	13U
117-81-7	bis(2-Ethylhexyl)Phthalate	13U
218-01-9	Chrysene	13U
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	Benzo(b)Fluoranthene	13U
207-08-9	Benzo(k)Fluoranthene	13U
50-32-8	Benzo(a)Pyrene	13U
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	62.5%
2-Fluorobiphenyl	76.1%
d14-p-Terphenyl	70.3%

***Acid surrogate recoveries**

d5-Phenol	65.5%
2-Fluorophenol	67.6%
2,4,6-Tribromophenol	74.2%

SCL 04752

CTY0049762

SEA290240

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FE
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

Sample No: 5A-4-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 63.3 g (dry wt.)
Percent Moisture: 37.4%
pH: 8.42
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	32U
111-44-4	bis(2-Chloroethyl)Ether	16U
95-57-8	2-Chlorophenol	16U
541-73-1	1,3-Dichlorobenzene	16U
106-46-7	1,4-Dichlorobenzene	16U
100-51-6	Benzyl Alcohol	79U
95-50-1	1,2-Dichlorobenzene	16U
95-48-7	2-Methylphenol	16U
108-60-1	bis(2-chloroisopropyl)Ether	16U
106-44-5	4-Methylphenol	16U
621-64-7	N-Nitroso-Di-n-Propylamine	16U
67-72-1	Hexachloroethane	32U
98-95-3	Nitrobenzene	16U
78-59-1	Isophorone	16U
88-75-5	2-Nitrophenol	79U
105-67-9	2,4-Dimethylphenol	32U
65-85-0	Benzoic Acid	160U
111-91-1	bis(2-Chloroethoxy)Methane	16U
120-83-2	2,4-Dichlorophenol	47U
120-82-1	1,2,4-Trichlorobenzene	16U
91-20-3	**Naphthalene**	**12 M**
106-47-8	4-Chloroaniline	47U
87-68-3	Hexachlorobutadiene	32U
59-50-7	4-Chloro-3-Methylphenol	32U
91-57-6	2-Methylnaphthalene	16U
77-47-4	Hexachlorocyclopentadiene	79U
88-06-2	2,4,6-Trichlorophenol	79U
95-95-4	2,4,5-Trichlorophenol	79U
91-58-7	2-Chloronaphthalene	16U
88-74-4	2-Nitroaniline	79U
131-11-3	Dimethyl Phthalate	16U
208-96-8	Acenaphthylene	16U
99-09-2	3-Nitroaniline	79U

CAS Number		µg/Kg
83-32-9	Acenaphthene	16U
51-28-5	2,4-Dinitrophenol	160U
100-02-7	4-Nitrophenol	79U
132-64-9	Dibenzofuran	16U
121-14-2	2,4-Dinitrotoluene	79U
606-20-2	2,6-Dinitrotoluene	79U
84-66-2	Diethylphthalate	16U
7005-72-3	4-Chlorophenyl-phenylether	16U
86-73-7	**Fluorene**	**7.9 J**
100-01-6	4-Nitroaniline	79U
534-52-1	4,6-Dinitro-2-Methylphenol	160U
86-30-6	N-Nitrosodiphenylamine(1)	16U
101-55-3	4-Bromophenyl-phenylether	16U
118-74-1	Hexachlorobenzene	16U
87-86-5	Pentachlorophenol	79U
85-01-8	**Phenanthrene**	**37**
120-12-7	**Anthracene**	**16 M**
84-74-2	Di-n-Butylphthalate	16U
206-44-0	**Fluoranthene**	**56**
129-00-0	**Pyrene**	**44**
85-68-7	Butylbenzylphthalate	16U
91-94-1	3,3'-Dichlorobenzidine	79U
56-55-3	**Benzo(a)Anthracene**	**15 J**
117-81-7	bis(2-Ethylhexyl)Phthalate	16U
218-01-9	**Chrysene**	**20**
117-84-0	Di-n-Octyl Phthalate	16U
205-99-2	Benzo(b)Fluoranthene	16U
207-08-9	Benzo(k)Fluoranthene	16U
50-32-8	Benzo(a)Pyrene	16U
193-39-5	Indeno(1,2,3-cd)Pyrene	16U
53-70-3	Dibenz(a,h)Anthracene	16U
191-24-2	Benzo(ghi)Perylene	16U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	54.0%
2-Fluorobiphenyl	69.0%
d14-p-Terphenyl	71.7%

***Acid surrogate recoveries**

d5-Phenol	61.3%
2-Fluorophenol	56.5%
2,4,6-Tribromophenol	73.4%

SCL 04753

CTY0049763

SEA290241

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FF
Matrix: Soils/Sediments

Sample No: 5A-6.8-7.5

QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 76.7 g (dry wt.)
Percent Moisture: 24.3%
pH: 7.47
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/16/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	26U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	65U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	26U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	65U
105-67-9	2,4-Dimethylphenol	26U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	39U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	15
106-47-8	4-Chloroaniline	39U
87-68-3	Hexachlorobutadiene	26U
59-50-7	4-Chloro-3-Methylphenol	26U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	65U
88-06-2	2,4,6-Trichlorophenol	65U
95-95-4	2,4,5-Trichlorophenol	65U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	65U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	65U

CAS Number		µg/Kg
83-32-9	Acenaphthene	13U
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	65U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	65U
606-20-2	2,6-Dinitrotoluene	65U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	65U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	65U
85-01-8	Phenanthrene	29
120-12-7	Anthracene	10J
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	41
129-00-0	Pyrene	33
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	65U
56-55-3	Benzo(a)Anthracene	13J
117-81-7	bis(2-Ethylhexyl)Phthalate	4.7J
218-01-9	Chrysene	17
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2 207-08-9	Benzo(b)Fluoranthene & Benzo(k)Fluoranthene	21
50-32-8	Benzo(a)Pyrene	11J
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	52.9%
2-Fluorobiphenyl	68.4%
d14-p-Terphenyl	71.1%

*Acid surrogate recoveries

d5-Phenol	58.5%
2-Fluorophenol	55.8%
2,4,6-Tribromophenol	72.4%

SCL 04754

CTY0049764

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FG
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 6A-0-2
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 67.4 g (dry wt.)
Percent Moisture: 32.8%
pH: 6.97
Conc/Dilution: 1 to 5
Total Dilution: 1 to 10

CAS Number		µg/Kg
108-95-2	Phenol	300U
111-44-4	bis(2-Chloroethyl)Ether	150U
95-57-8	2-Chlorophenol	150U
541-73-1	1,3-Dichlorobenzene	150U
106-46-7	1,4-Dichlorobenzene	150U
100-51-6	Benzyl Alcohol	740U
95-50-1	1,2-Dichlorobenzene	150U
95-48-7	2-Methylphenol	150U
108-60-1	bis(2-chloroisopropyl)Ether	150U
106-44-5	4-Methylphenol	150U
621-64-7	N-Nitroso-Di-n-Propylamine	150U
67-72-1	Hexachloroethane	300U
98-95-3	Nitrobenzene	150U
78-59-1	Isophorone	150U
88-75-5	2-Nitrophenol	740U
105-67-9	2,4-Dimethylphenol	300U
65-85-0	Benzoic Acid	1500U
111-91-1	bis(2-Chloroethoxy)Methane	150U
120-83-2	2,4-Dichlorophenol	450U
120-82-1	1,2,4-Trichlorobenzene	150U
91-20-3	Napnthalene	150U
106-47-8	4-Chloroaniline	450U
87-68-3	Hexachlorobutadiene	300U
59-50-7	4-Chloro-3-Methylphenol	300U
91-57-6	2-Methylnaphthalene	150U
77-47-4	Hexachlorocyclopentadiene	740U
88-06-2	2,4,6-Trichlorophenol	740U
95-95-4	2,4,5-Trichlorophenol	740U
91-58-7	2-Chloronaphthalene	150U
88-74-4	2-Nitroaniline	740U
131-11-3	Dimethyl Phthalate	150U
208-96-8	Acenaphthylene	150
99-09-2	3-Nitroaniline	740U

CAS Number		µg/Kg
83-32-9	Acenaphthene	1400
51-28-5	2,4-Dinitrophenol	1500U
100-02-7	4-Nitrophenol	740U
132-64-9	Dibenzofuran	150
121-14-2	2,4-Dinitrotoluene	740U
606-20-2	2,6-Dinitrotoluene	740U
84-66-2	Diethylphthalate	150U
7005-72-3	4-Chlorophenyl-phenylether	150U
86-73-7	Fluorene	250
100-01-6	4-Nitroaniline	740U
534-52-1	4,6-Dinitro-2-Methylphenol	1500U
86-30-6	N-Nitrosodiphenylamine(1)	150U
101-55-3	4-Bromophenyl-phenylether	150U
118-74-1	Hexachlorobenzene	150U
87-86-5	Pentachlorophenol	740U
85-01-8	Phenanthrene	2500
120-12-7	Anthracene	900
84-74-2	Di-n-Butylphthalate	1600
206-44-0	Fluoranthene	10000
129-00-0	Pyrene	7300
85-68-7	Butylbenzylphthalate	840
91-94-1	3,3'-Dichlorobenzidine	740U
56-55-3	Benzo(a)Anthracene	3400
117-81-7	bis(2-Ethylhexyl)Phthalate	6900
218-01-9	Chrysene	3900
117-84-0	Di-n-Octyl Phthalate	1000
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	6200
50-32-8	Benzo(a)Pyrene	2100
193-39-5	Indeno(1,2,3-cd)Pyrene	1300
53-70-3	Dibenz(a,h)Anthracene	490
191-24-2	Benzo(ghi)Perylene	140J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	70.9%
2-Fluorobiphenyl	99.7%
d14-o-Terphenyl	113%

*Acid surrogate recoveries

d5-Phenol	73.0%
2-Fluorophenol	59.8%
2,4,6-Tribromophenol	92.5%

SCL 04755

CTY0049765

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-5490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FH
Matrix: Soils/Sediments

Sample No: 6A-2-4

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 80.2 g (dry wt.)
Percent Moisture: 20.1%
pH: 8.13
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	25U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	62U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	62U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	37U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	37U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	25U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	62U
88-06-2	2,4,6-Trichlorophenol	62U
95-95-4	2,4,5-Trichlorophenol	62U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	62U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	62U

CAS Number		µg/Kg
83-32-9	Acenaphthene	130
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	62U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	62U
606-20-2	2,6-Dinitrotoluene	62U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	62U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	62U
85-01-8	Phenanthrene	26
120-12-7	Anthracene	14
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	98
129-00-0	Pyrene	130
85-68-7	Butylbenzylphthalate	24
91-94-1	3,3'-Dichlorobenzidine	62U
56-55-3	Benzo(a)Anthracene	32
117-81-7	bis(2-Ethylhexyl)Phthalate	110
218-01-9	Chrysene	33
117-84-0	Di-n-Octyl Phthalate	35
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	70
50-32-8	Benzo(a)Pyrene	58
193-39-5	Indeno(1,2,3-cd)Pyrene	29
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	18

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	51.9%
2-Fluorobiphenyl	68.1%
d14-p-Terphenyl	73.4%

*Acid surrogate recoveries

d5-Phenol	54.7%
2-Fluorophenol	50.3%
2,4,6-Tribromophenol	75.6%

SCL 04756

CTY0049766

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FI
Matrix: Soils/Sediments

Sample No: 6A-4-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 81.1 g (dry wt.)
Percent Moisture: 21.9%
pH: 7.63
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	25U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	62U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	62U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	37U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	37U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	25U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	62U
88-06-2	2,4,6-Trichlorophenol	62U
95-95-4	2,4,5-Trichlorophenol	62U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	62U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	62U

CAS Number		µg/Kg
83-32-9	Acenaphthene	110
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	62U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	62U
606-20-2	2,6-Dinitrotoluene	62U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	62U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	62U
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	54
129-00-0	Pyrene	49
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	62U
56-55-3	Benzo(a)Anthracene	14
117-81-7	bis(2-Ethylhexyl)Phthalate	73
218-01-9	Chrysene	21
117-84-0	Di-n-Octyl Phthalate	11J
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	24
50-32-8	Benzo(a)Pyrene	7.4J
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	55.4%
2-Fluorobiphenyl	76.1%
d14-p-Terphenyl	80.0%

*Acid surrogate recoveries

d5-Phenol	63.9%
2-Fluorophenol	57.0%
2,4,6-Tribromophenol	77.8%

SCL 04757

CTY0049767

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Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FJ
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 6A-6-9

GC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 79.1 g (dry wt.)
Percent Moisture: 23.1%
pH: 7.40
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	25U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	63U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	63U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	38U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	38U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	25U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	63U
88-06-2	2,4,6-Trichlorophenol	63U
95-95-4	2,4,5-Trichlorophenol	63U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	63U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	63U

CAS Number		µg/Kg
83-32-9	**Acenaphthene**	**35**
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	63U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	63U
606-20-2	2,6-Dinitrotoluene	63U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	63U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	63U
85-01-8	**Phenanthrene**	**8.4 M**
120-12-7	Anthracene	13U
84-74-2	Di-n-Butylphthalate	13U
206-44-0	**Fluoranthene**	**53**
129-00-0	**Pyrene**	**42**
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	63U
56-55-3	**Benzo(a)Anthracene**	**9.8 M**
117-81-7	**bis(2-Ethylhexyl)Phthalate**	**75**
218-01-9	**Chrysene**	**15**
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	**18**
50-32-8	**Benzo(a)Pyrene**	**4.9 M**
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	44.6%
2-Fluorobiphenyl	65.1%
d14-p-Terphenyl	71.5%

***Acid surrogate recoveries**

d5-Phenol	51.2%
2-Fluorophenol	47.3%
2,4,6-Tribromophenol	72.1%

SCL 04758

CTY0049768

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FK
Matrix: Soils/Sediments

Sample No: 7A-0-2
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 84.5 g (dry wt.)
Percent Moisture: 21.4%
pH: 6.84
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/08/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	120U
111-44-4	bis(2-Chloroethyl)Ether	59U
95-57-8	2-Chlorophenol	59U
541-73-1	1,3-Dichlorobenzene	59U
106-46-7	1,4-Dichlorobenzene	59U
100-51-6	Benzyl Alcohol	300U
95-50-1	1,2-Dichlorobenzene	59U
95-48-7	2-Methylphenol	59U
108-60-1	bis(2-chloroisopropyl)Ether	59U
106-44-5	4-Methylphenol	59U
621-64-7	N-Nitroso-Di-n-Propylamine	59U
67-72-1	Hexachloroethane	120U
98-95-3	Nitrobenzene	59U
78-59-1	Isophorone	59U
88-75-5	2-Nitrophenol	300U
105-67-9	2,4-Dimethylphenol	120U
65-85-0	Benzoic Acid	590U
111-91-1	bis(2-Chloroethoxy)Methane	59U
120-83-2	2,4-Dichlorophenol	180U
120-82-1	1,2,4-Trichlorobenzene	59U
91-20-3	Naphthalene	45 M
106-47-8	4-Chloroaniline	180U
87-68-3	Hexachlorobutadiene	120U
59-50-7	4-Chloro-3-Methylphenol	120U
91-57-6	2-Methylnaphthalene	59U
77-47-4	Hexachlorocyclopentadiene	300U
88-06-2	2,4,6-Trichlorophenol	300U
95-95-4	2,4,5-Trichlorophenol	300U
91-58-7	2-Chloronaphthalene	59U
88-74-4	2-Nitroaniline	300U
131-11-3	Dimethyl Phthalate	59U
208-96-8	Acenaphthylene	59U
99-09-2	3-Nitroaniline	300U

CAS Number		µg/Kg
83-32-9	Acenaphthene	96
51-28-5	2,4-Dinitrophenol	590U
100-02-7	4-Nitrophenol	300U
132-64-9	Dibenzofuran	50J
121-14-2	2,4-Dinitrotoluene	300U
606-20-2	2,6-Dinitrotoluene	300U
84-66-2	Diethylphthalate	59U
7005-72-3	4-Chlorophenyl-phenylether	59U
86-73-7	Fluorene	110
100-01-6	4-Nitroaniline	300U
534-52-1	4,6-Dinitro-2-Methylphenol	590U
86-30-6	N-Nitrosodiphenylamine(1)	59U
101-55-3	4-Bromophenyl-phenylether	59U
118-74-1	Hexachlorobenzene	59U
87-86-5	Pentachlorophenol	300U
85-01-8	Phenanthrene	810
120-12-7	Anthracene	210
84-74-2	Di-n-Butylphthalate	59U
206-44-0	Fluoranthene	2400
129-00-0	Pyrene	2000
85-68-7	Butylbenzylphthalate	130
91-94-1	3,3'-Dichlorobenzidine	300U
56-55-3	Benzo(a)Anthracene	750
117-81-7	bis(2-Ethylhexyl)Phthalate	1800
218-01-9	Chrysene	870
117-84-0	Di-n-Octyl Phthalate	120
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1600
50-32-8	Benzo(a)Pyrene	520
193-39-5	Indeno(1,2,3-cd)Pyrene	340
53-70-3	Dibenz(a,h)Anthracene	110 M
191-24-2	Benzo(ghi)Perylene	59U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	74.9%
2-Fluorobiphenyl	91.8%
d14-p-Terphenyl	116%

***Acid surrogate recoveries**

d5-Phenol	74.6%
2-Fluorophenol	70.4%
2,4,6-Tribromophenol	95.6%

SCL 04759

CTY0049769

SEA290247

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FL
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/08/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 7A-2-4

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 82.5 g (dry wt.)
Percent Moisture: 20.9%
pH: 7.42
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	24U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	61U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	24U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	61U
105-67-9	2,4-Dimethylphenol	24U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	36U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	36U
87-68-3	Hexachlorobutadiene	24U
59-50-7	4-Chloro-3-Methylphenol	24U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	61U
88-06-2	2,4,6-Trichlorophenol	61U
95-95-4	2,4,5-Trichlorophenol	61U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	61U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	61U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12U
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	61U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	61U
606-20-2	2,6-Dinitrotoluene	61U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	61U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	61U
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	12U
129-00-0	Pyrene	12U
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	61U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	bis(2-Ethylhexyl)Phthalate	11J
218-01-9	Chrysene	12U
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene	12U
207-08-9	Benzo(k)Fluoranthene	12U
50-32-8	Benzo(a)Pyrene	12U
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	49.6%
2-Fluorobiphenyl	59.5%
d14-p-Terphenyl	67.8%

*Acid surrogate recoveries

d5-Phenol	56.9%
2-Fluorophenol	51.9%
2,4,6-Tribromophenol	74.8%

SCL 04760

CTY0049770

SEA290248

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FN
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 7A-6-10

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 85.3 g (dry wt.)
Percent Moisture: 21.0%
pH: 7.82
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	23U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	59U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	23U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	59U
105-67-9	2,4-Dimethylphenol	23U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	35U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	35U
87-68-3	Hexachlorobutadiene	23U
59-50-7	4-Chloro-3-Methylphenol	23U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	59U
88-06-2	2,4,6-Trichlorophenol	59U
95-95-4	2,4,5-Trichlorophenol	59U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	59U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	59U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12U
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	59U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	59U
606-20-2	2,6-Dinitrotoluene	59U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	59U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	59U
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	12U
129-00-0	Pyrene	12U
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	59U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	bis(2-Ethylhexyl)Phthalate	12U
218-01-9	Chrysene	12U
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene	12U
207-08-9	Benzo(k)Fluoranthene	12U
50-32-8	Benzo(a)Pyrene	12U
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	55.4%
2-Fluorobiphenyl	61.3%
d14-p-Terphenyl	75.5%

***Acid surrogate recoveries**

d5-Phenol	55.6%
2-Fluorophenol	59.3%
2,4,6-Tribromophenol	70.5%

SCL 04761

CTY0049771

SEA290249

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-518
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FO
Matrix: Soils/Sediments

Sample No: 8A-0-2
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Sample Wt: 67.6 g (dry wt.)
Percent Moisture: 33.5%
pH: 7.86
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	150U
111-44-4	bis(2-Chloroethyl)Ether	74U
95-57-8	2-Chlorophenol	74U
541-73-1	1,3-Dichlorobenzene	74U
106-46-7	1,4-Dichlorobenzene	74U
100-51-6	Benzyl Alcohol	370U
95-50-1	1,2-Dichlorobenzene	74U
95-48-7	2-Methylphenol	74U
108-60-1	bis(2-chloroisopropyl)Ether	74U
106-44-5	4-Methylphenol	74U
621-64-7	N-Nitroso-Di-n-Propylamine	74U
67-72-1	Hexachloroethane	150U
98-95-3	Nitrobenzene	74U
78-59-1	Isophorone	74U
88-75-5	2-Nitrophenol	370U
105-67-9	2,4-Dimethylphenol	150U
65-85-0	Benzoic Acid	740U
111-91-1	bis(2-Chloroethoxy)Methane	74U
120-83-2	2,4-Dichlorophenol	220U
120-82-1	1,2,4-Trichlorobenzene	74U
91-20-3	Naphthalene	74U
106-47-8	4-Chloroaniline	220U
87-68-3	Hexachlorobutadiene	150U
59-50-7	4-Chloro-3-Methylphenol	150U
91-57-6	2-Methylnaphthalene	74U
77-47-4	Hexachlorocyclopentadiene	370U
88-06-2	2,4,6-Trichlorophenol	370U
95-95-4	2,4,5-Trichlorophenol	370U
91-58-7	2-Chloronaphthalene	74U
88-74-4	2-Nitroaniline	370U
131-11-3	Dimethyl Phthalate	74U
208-96-8	Acenaphthylene	74U
99-09-2	3-Nitroaniline	370U

CAS Number		µg/Kg
83-32-9	Acenaphthene	460
51-28-5	2,4-Dinitrophenol	740U
100-02-7	4-Nitrophenol	370U
132-64-9	Dibenzofuran	74U
121-14-2	2,4-Dinitrotoluene	370U
606-20-2	2,6-Dinitrotoluene	370U
84-66-2	Diethylphthalate	74U
7005-72-3	4-Chlorophenyl-phenylether	74U
86-73-7	Fluorene	55J
100-01-6	4-Nitroaniline	370U
534-52-1	4,6-Dinitro-2-Methylphenol	740U
86-30-6	N-Nitrosodiphenylamine(1)	74U
101-55-3	4-Bromophenyl-phenylether	74U
118-74-1	Hexachlorobenzene	74U
87-86-5	Pentachlorophenol	370U
85-01-8	Phenanthrene	290
120-12-7	Anthracene	200
84-74-2	Di-n-Butylphthalate	81
206-44-0	Fluoranthene	2200
129-00-0	Pyrene	2100
85-68-7	Butylbenzylphthalate	74U
91-94-1	3,3'-Dichlorobenzidine	370U
56-55-3	Benzo(a)Anthracene	470
117-81-7	bis(2-Ethylhexyl)Phthalate	910
218-01-9	Chrysene	630
117-84-0	Di-n-Octyl Phthalate	74U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	410
50-32-8	Benzo(a)Pyrene	290
193-39-5	Indeno(1,2,3-cd)Pyrene	230
53-70-3	Dibenz(a,h)Anthracene	74U
191-24-2	Benzo(ghi)Perylene	74U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	108%
2-Fluorobiphenyl	107%
d14-p-Terphenyl	136%

*Acid surrogate recoveries

d5-Phenol	94.0%
2-Fluorophenol	92.6%
2,4,6-Tribromophenol	97.3%

SCL 04762

CTY0049772

SEA290250

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FP
Matrix: Soils/Sediments

Sample No: 8A-2-4

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 71.4 g (dry wt.)
Percent Moisture: 31.3%
pH: 7.58
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	28U
111-44-4	bis(2-Chloroethyl)Ether	14U
95-57-8	2-Chlorophenol	14U
541-73-1	1,3-Dichlorobenzene	14U
106-46-7	1,4-Dichlorobenzene	14U
100-51-6	Benzyl Alcohol	70U
95-50-1	1,2-Dichlorobenzene	14U
95-48-7	2-Methylphenol	14U
108-60-1	bis(2-chloroisopropyl)Ether	14U
106-44-5	4-Methylphenol	14U
621-64-7	N-Nitroso-Di-n-Propylamine	14U
67-72-1	Hexachloroethane	28U
98-95-3	Nitrobenzene	14U
78-59-1	Isophorone	14U
88-75-5	2-Nitrophenol	70U
105-67-9	2,4-Dimethylphenol	28U
65-85-0	Benzoic Acid	140U
111-91-1	bis(2-Chloroethoxy)Methane	14U
120-83-2	2,4-Dichlorophenol	42U
120-82-1	1,2,4-Trichlorobenzene	14U
91-20-3	Naphthalene	14U
106-47-8	4-Chloroaniline	42U
87-68-3	Hexachlorobutadiene	28U
59-50-7	4-Chloro-3-Methylphenol	28U
91-57-6	2-Methylnaphthalene	14U
77-47-4	Hexachlorocyclopentadiene	70U
88-06-2	2,4,6-Trichlorophenol	70U
95-95-4	2,4,5-Trichlorophenol	70U
91-58-7	2-Chloronaphthalene	14U
88-74-4	2-Nitroaniline	70U
131-11-3	Dimethyl Phthalate	14U
208-96-8	Acenaphthylene	14U
99-09-2	3-Nitroaniline	70U

CAS Number		µg/Kg
83-32-9	Acenaphthene	5.7 J
51-28-5	2,4-Dinitrophenol	140U
100-02-7	4-Nitrophenol	70U
132-64-9	Dibenzofuran	14U
121-14-2	2,4-Dinitrotoluene	70U
606-20-2	2,6-Dinitrotoluene	70U
84-66-2	Diethylphthalate	14U
7005-72-3	4-Chlorophenyl-phenylether	14U
86-73-7	Fluorene	5.8 J
100-01-6	4-Nitroaniline	70U
534-52-1	4,6-Dinitro-2-Methylphenol	140U
86-30-6	N-Nitrosodiphenylamine(1)	14U
101-55-3	4-Bromophenyl-phenylether	14U
118-74-1	Hexachlorobenzene	14U
87-86-5	Pentachlorophenol	70U
85-01-8	Phenanthrene	27
120-12-7	Anthracene	8.8 J
84-74-2	Di-n-Butylphthalate	14U
206-44-0	Fluoranthene	49
129-00-0	Pyrene	49
85-68-7	Butylbenzylphthalate	14U
91-94-1	3,3'-Dichlorobenzidine	70U
56-55-3	Benzo(a)Anthracene	14 J
117-81-7	bis(2-Ethylhexyl)Phthalate	12 J
218-01-9	Chrysene	20
117-84-0	Di-n-Octyl Phthalate	14U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	29
50-32-8	Benzo(a)Pyrene	12 J
193-39-5	Indeno(1,2,3-cd)Pyrene	14U
53-70-3	Dibenz(a,h)Anthracene	14U
191-24-2	Benzo(ghi)Perylene	14U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	59.8%
2-Fluorobiphenyl	77.8%
d14-p-Terphenyl	85.9%

***Acid surrogate recoveries**

d5-Phenol	68.3%
2-Fluorophenol	64.2%
2,4,6-Tribromophenol	91.4%

SCL 04763

CTY0049773

SEA290251

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FQ
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 8A-4-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 67.7 g (dry wt.)
Percent Moisture: 33.9%
pH: 6.71
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	30U
111-44-4	bis(2-Chloroethyl)Ether	15U
95-57-8	2-Chlorophenol	15U
541-73-1	1,3-Dichlorobenzene	15U
106-46-7	1,4-Dichlorobenzene	15U
100-51-6	Benzyl Alcohol	74U
95-50-1	1,2-Dichlorobenzene	15U
95-48-7	2-Methylphenol	15U
108-60-1	bis(2-chloroisopropyl)Ether	15U
106-44-5	4-Methylphenol	15U
621-64-7	N-Nitroso-Di-n-Propylamine	15U
67-72-1	Hexachloroethane	30U
98-95-3	Nitrobenzene	15U
78-59-1	Isophorone	15U
88-75-5	2-Nitrophenol	74U
105-67-9	2,4-Dimethylphenol	30U
65-85-0	Benzoic Acid	150U
111-91-1	bis(2-Chloroethoxy)Methane	15U
120-83-2	2,4-Dichlorophenol	44U
120-82-1	1,2,4-Trichlorobenzene	15U
91-20-3	**Naphthalene**	13J
106-47-8	4-Chloroaniline	44U
87-68-3	Hexachlorobutadiene	30U
59-50-7	4-Chloro-3-Methylphenol	30U
91-57-6	2-Methylnaphthalene	15U
77-47-4	Hexachlorocyclopentadiene	74U
88-06-2	2,4,6-Trichlorophenol	74U
95-95-4	2,4,5-Trichlorophenol	74U
91-58-7	2-Chloronaphthalene	15U
88-74-4	2-Nitroaniline	74U
131-11-3	Dimethyl Phthalate	15U
208-96-8	Acenaphthylene	15U
99-09-2	3-Nitroaniline	74U

CAS Number		µg/Kg
83-32-9	Acenaphthene	15U
51-28-5	2,4-Dinitrophenol	150U
100-02-7	4-Nitrophenol	74U
132-64-9	Dibenzofuran	15U
121-14-2	2,4-Dinitrotoluene	74U
606-20-2	2,6-Dinitrotoluene	74U
84-66-2	Diethylphthalate	15U
7005-72-3	4-Chlorophenyl-phenylether	15U
86-73-7	**Fluorene**	**8.5 J**
100-01-6	4-Nitroaniline	74U
534-52-1	4,6-Dinitro-2-Methylphenol	150U
86-30-6	N-Nitrosodiphenylamine(1)	15U
101-55-3	4-Bromophenyl-phenylether	15U
118-74-1	Hexachlorobenzene	15U
87-86-5	Pentachlorophenol	74U
85-01-8	**Phenanthrene**	**44**
120-12-7	**Anthracene**	**13 M**
84-74-2	Di-n-Butylphthalate	15U
206-44-0	**Fluoranthene**	**72**
129-00-0	**Pyrene**	**60**
85-68-7	Butylbenzylphthalate	15U
91-94-1	3,3'-Dichlorobenzidine	74U
56-55-3	**Benzo(a)Anthracene**	**22**
117-81-7	bis(2-Ethylhexyl)Phthalate	15U
218-01-9	**Chrysene**	**33**
117-84-0	Di-n-Octyl Phthalate	15U
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	**39**
50-32-8	**Benzo(a)Pyrene**	**21**
193-39-5	Indeno(1,2,3-cd)Pyrene	15U
53-70-3	Dibenz(a,h)Anthracene	15U
191-24-2	Benzo(ghi)Perylene	15U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	62.4%
2-Fluorobiphenyl	79.7%
d14-p-Terphenyl	88.5%

***Acid surrogate recoveries**

d5-Phenol	71.1%
2-Fluorophenol	65.5%
2,4,6-Tribromophenol	92.7%

SCL 04764

CTY0049774

SEA290252

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FR
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 8A-6-8

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 83.4 g (dry wt.)
Percent Moisture: 23.4%
pH: 8.59
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	24U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	60U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	24U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	60U
105-67-9	2,4-Dimethylphenol	24U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	36U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	36U
87-68-3	Hexachlorobutadiene	24U
59-50-7	4-Chloro-3-Methylphenol	24U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	60U
88-06-2	2,4,6-Trichlorophenol	60U
95-95-4	2,4,5-Trichlorophenol	60U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	60U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	60U

CAS Number		ug/Kg
83-32-9	Acenaphthene	12U
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	60U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	60U
606-20-2	2,6-Dinitrotoluene	60U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	60U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	60U
85-01-8	**Phenanthrene**	10J
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	**Fluoranthene**	18
129-00-0	**Pyrene**	14
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	60U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	**bis(2-Ethylhexyl)Phthalate**	15
218-01-9	**Chrysene**	8.7 J
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	19
50-32-8	**Benzo(a)Pyrene**	8.5 J
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	49.4%
2-Fluorobiphenyl	74.1%
d14-o-Terphenyl	88.7%

***Acid surrogate recoveries**

d5-Phenol	63.0%
2-Fluorophenol	53.9%
2,4,6-Tribromophenol	94.0%

SCL 04765

CTY0049775

SEA290253

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FS
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 9A-3-5
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 63.6 g (dry wt.)
Percent Moisture: 38.1%
pH: 8.66
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	160U
111-44-4	bis(2-Chloroethyl)Ether	79U
95-57-8	2-Chlorophenol	79U
541-73-1	1,3-Dichlorobenzene	79U
106-46-7	1,4-Dichlorobenzene	79U
100-51-6	Benzyl Alcohol	390U
95-50-1	1,2-Dichlorobenzene	79U
95-48-7	2-Methylphenol	79U
108-60-1	bis(2-chloroisopropyl)Ether	79U
106-44-5	4-Methylphenol	79U
621-64-7	N-Nitroso-Di-n-Propylamine	79U
67-72-1	Hexachloroethane	160U
98-95-3	Nitrobenzene	79U
78-59-1	Isophorone	79U
88-75-5	2-Nitrophenol	390U
105-67-9	2,4-Dimethylphenol	160U
65-85-0	Benzoic Acid	790U
111-91-1	bis(2-Chloroethoxy)Methane	79U
120-83-2	2,4-Dichlorophenol	240U
120-82-1	1,2,4-Trichlorobenzene	79U
91-20-3	Naphthalene	430
106-47-8	4-Chloroaniline	240U
87-68-3	Hexachlorobutadiene	160U
59-50-7	4-Chloro-3-Methylphenol	160U
91-57-6	2-Methylnaphthalene	43J
77-47-4	Hexachlorocyclopentadiene	390U
88-06-2	2,4,6-Trichlorophenol	390U
95-95-4	2,4,5-Trichlorophenol	390U
91-58-7	2-Chloronaphthalene	79U
88-74-4	2-Nitroaniline	390U
131-11-3	Dimethyl Phthalate	79U
208-96-8	Acenaphthylene	66J
99-09-2	3-Nitroaniline	390U

CAS Number		µg/Kg
83-32-9	Acenaphthene	1200
51-28-5	2,4-Dinitrophenol	790U
100-02-7	4-Nitrophenol	390U
132-64-9	Dibenzofuran	210
121-14-2	2,4-Dinitrotoluene	390U
606-20-2	2,6-Dinitrotoluene	390U
84-66-2	Diethylphthalate	79U
7005-72-3	4-Chlorophenyl-phenylether	79U
86-73-7	Fluorene	250
100-01-6	4-Nitroaniline	390U
534-52-1	4,6-Dinitro-2-Methylphenol	790U
86-30-6	N-Nitrosodiphenylamine(1)	79U
101-55-3	4-Bromophenyl-phenylether	79U
118-74-1	Hexachlorobenzene	79U
87-86-5	Pentachlorophenol	390U
85-01-8	Phenanthrene	830
120-12-7	Anthracene	540
84-74-2	Di-n-Butylphthalate	79U
206-44-0	Fluoranthene	5500
129-00-0	Pyrene	4400
85-68-7	Butylbenzylphthalate	79U
91-94-1	3,3'-Dichlorobenzidine	390U
56-55-3	Benzo(a)Anthracene	1200
117-81-7	bis(2-Ethylhexyl)Phthalate	79U
218-01-9	Chrysene	1400
117-84-0	Di-n-Octyl Phthalate	79U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	1300
50-32-8	Benzo(a)Pyrene	390
193-39-5	Indeno(1,2,3-cd)Pyrene	170
53-70-3	Dibenz(a,h)Anthracene	69 M
191-24-2	Benzo(ghi)Perylene	79U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	61.4%
2-Fluorobiphenyl	91.1%
d14-p-Terphenyl	101%

*Acid surrogate recoveries

d5-Phenol	71.1%
2-Fluorophenol	67.7%
2,4,6-Tribromophenol	84.6%

SCL 04766

CTY0049776

SEA290254

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FT
Matrix: Soils/Sediments

Date Release Authorized: MW
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 9A-6-8

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 64.9 g (dry wt.)
Percent Moisture: 35.4%
pH: 8.15
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	31U
111-44-4	bis(2-Chloroethyl)Ether	15U
95-57-8	2-Chlorophenol	15U
541-73-1	1,3-Dichlorobenzene	15U
106-46-7	1,4-Dichlorobenzene	15U
100-51-6	Benzyl Alcohol	77U
95-50-1	1,2-Dichlorobenzene	15U
95-48-7	2-Methylphenol	15U
108-60-1	bis(2-chloroisopropyl)Ether	15U
106-44-5	4-Methylphenol	15U
621-64-7	N-Nitroso-Di-n-Propylamine	15U
67-72-1	Hexachloroethane	31U
98-95-3	Nitrobenzene	15U
78-59-1	Isophorone	15U
88-75-5	2-Nitrophenol	77U
105-67-9	2,4-Dimethylphenol	31U
65-85-0	Benzoic Acid	150U
111-91-1	bis(2-Chloroethoxy)Methane	15U
120-83-2	2,4-Dichlorophenol	46U
120-82-1	1,2,4-Trichlorobenzene	15U
91-20-3	Naphthalene	16
106-47-8	4-Chloroaniline	46U
87-68-3	Hexachlorobutadiene	31U
59-50-7	4-Chloro-3-Methylphenol	31U
91-57-6	2-Methylnaphthalene	15U
77-47-4	Hexachlorocyclopentadiene	77U
88-06-2	2,4,6-Trichlorophenol	77U
95-95-4	2,4,5-Trichlorophenol	77U
91-58-7	2-Chloronaphthalene	15U
88-74-4	2-Nitroaniline	77U
131-11-3	Dimethyl Phthalate	15U
208-96-8	Acenaphthylene	15U
99-09-2	3-Nitroaniline	77U

CAS Number		µg/Kg
83-32-9	Acenaphthene	15U
51-28-5	2,4-Dinitrophenol	150U
100-02-7	4-Nitrophenol	77U
132-64-9	Dibenzofuran	15U
121-14-2	2,4-Dinitrotoluene	77U
606-20-2	2,6-Dinitrotoluene	77U
84-66-2	Diethylphthalate	15U
7005-72-3	4-Chlorophenyl-phenylether	15U
86-73-7	Fluorene	7.9J
100-01-6	4-Nitroaniline	77U
534-52-1	4,6-Dinitro-2-Methylphenol	150U
86-30-6	N-Nitrosodiphenylamine(1)	15U
101-55-3	4-Bromophenyl-phenylether	15U
118-74-1	Hexachlorobenzene	15U
87-86-5	Pentachlorophenol	77U
85-01-8	Phenanthrene	40
120-12-7	Anthracene	20
84-74-2	Di-n-Butylphthalate	15U
206-44-0	Fluoranthene	83
129-00-0	Pyrene	87
85-68-7	Butylbenzylphthalate	15U
91-94-1	3,3'-Dichlorobenzidine	77U
56-55-3	Benzo(a)Anthracene	24
117-81-7	bis(2-Ethylhexyl)Phthalate	13J
218-01-9	Chrysene	39
117-84-0	Di-n-Octyl Phthalate	15U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	47
50-32-8	Benzo(a)Pyrene	21
193-39-5	Indeno(1,2,3-cd)Pyrene	15U
53-70-3	Dibenz(a,h)Anthracene	15U
191-24-2	Benzo(ghi)Perylene	15U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	61.3%
2-Fluorobiphenyl	73.0%
d14-o-Terphenyl	77.9%

*Acid surrogate recoveries

d5-Phenol	65.0%
2-Fluorophenol	64.1%
2,4,6-Tribromophenol	81.1%

SCL 04767

CTY0049777

SEA290255

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FU
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 10A-0-.5
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Sample Wt: 77.4 g (dry wt.)
Percent Moisture: 34.5%
pH: NA
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	130U
111-44-4	bis(2-Chloroethyl)Ether	65U
95-57-8	2-Chlorophenol	65U
541-73-1	1,3-Dichlorobenzene	65U
106-46-7	1,4-Dichlorobenzene	65U
100-51-6	Benzyl Alcohol	320U
95-50-1	1,2-Dichlorobenzene	65U
95-48-7	2-Methylphenol	65U
108-60-1	bis(2-chloroisopropyl)Ether	65U
106-44-5	4-Methylphenol	65U
621-64-7	N-Nitroso-Di-n-Propylamine	65U
67-72-1	Hexachloroethane	130U
98-95-3	Nitrobenzene	65U
78-59-1	Isophorone	65U
88-75-5	2-Nitrophenol	320U
105-67-9	2,4-Dimethylphenol	130U
65-85-0	Benzoic Acid	650U
111-91-1	bis(2-Chloroethoxy)Methane	65U
120-83-2	2,4-Dichlorophenol	190U
120-82-1	1,2,4-Trichlorobenzene	65U
91-20-3	Naphthalene	65U
106-47-8	4-Chloroaniline	190U
87-68-3	Hexachlorobutadiene	130U
59-50-7	4-Chloro-3-Methylphenol	130U
91-57-6	2-Methylnaphthalene	65U
77-47-4	Hexachlorocyclopentadiene	320U
88-06-2	2,4,6-Trichlorophenol	320U
95-95-4	2,4,5-Trichlorophenol	320U
91-58-7	2-Chloronaphthalene	65U
88-74-4	2-Nitroaniline	320U
131-11-3	Dimethyl Phthalate	65U
208-96-8	Acenaphthylene	45J
99-09-2	3-Nitroaniline	320U

CAS Number		µg/Kg
83-32-9	Acenaphthene	46J
51-28-5	2,4-Dinitrophenol	650U
100-02-7	4-Nitrophenol	320U
132-64-9	Dibenzofuran	24 M
121-14-2	2,4-Dinitrotoluene	320U
606-20-2	2,6-Dinitrotoluene	320U
84-66-2	Diethylphthalate	65U
7005-72-3	4-Chlorophenyl-phenylether	65U
86-73-7	Fluorene	62J
100-01-6	4-Nitroaniline	320U
534-52-1	4,6-Dinitro-2-Methylphenol	650U
86-30-6	N-Nitrosodiphenylamine(1)	65U
101-55-3	4-Bromophenyl-phenylether	65U
118-74-1	Hexachlorobenzene	65U
87-86-5	Pentachlorophenol	320U
85-01-8	Phenanthrene	590
120-12-7	Anthracene	300
84-74-2	Di-n-Butylphthalate	71
206-44-0	Fluoranthene	2200
129-00-0	Pyrene	2700
85-68-7	Butylbenzylphthalate	60J
91-94-1	3,3'-Dichlorobenzidine	320U
56-55-3	Benzo(a)Anthracene	890
117-81-7	bis(2-Ethylhexyl)Phthalate	3300
218-01-9	Chrysene	1300
117-84-0	Di-n-Octyl Phthalate	160 M
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	2400
50-32-8	Benzo(a)Pyrene	790
193-39-5	Indeno(1,2,3-cd)Pyrene	530
53-70-3	Dibenz(a,h)Anthracene	170
191-24-2	Benzo(ghi)Perylene	53J

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	73.9%
2-Fluorobiphenyl	93.1%
d14-p-Terphenyl	100%

*Acid surrogate recoveries

d5-Phenol	90.1%
2-Fluorophenol	75.8%
2,4,6-Tribromophenol	90.5%

SCL 04768

CTY0049778

SEA290256

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FV
Matrix: Soils/Sediments

Sample No: 10A-2-4
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 78.5 g (dry wt.)
Percent Moisture: 25.5%
pH: 9.77
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	130U
111-44-4	bis(2-Chloroethyl)Ether	64U
95-57-8	2-Chlorophenol	64U
541-73-1	1,3-Dichlorobenzene	64U
106-46-7	1,4-Dichlorobenzene	64U
100-51-6	Benzyl Alcohol	320U
95-50-1	1,2-Dichlorobenzene	64U
95-48-7	2-Methylphenol	64U
108-60-1	bis(2-chloroisopropyl)Ether	64U
106-44-5	4-Methylphenol	64U
621-64-7	N-Nitroso-Di-n-Propylamine	64U
67-72-1	Hexachloroethane	130U
98-95-3	Nitrobenzene	64U
78-59-1	Isophorone	64U
88-75-5	2-Nitrophenol	320U
105-67-9	2,4-Dimethylphenol	130U
65-85-0	Benzoic Acid	640U
111-91-1	bis(2-Chloroethoxy)Methane	64U
120-83-2	2,4-Dichlorophenol	190U
120-82-1	1,2,4-Trichlorobenzene	64U
91-20-3	Naphthalene	64U
106-47-8	4-Chloroaniline	190U
87-68-3	Hexachlorobutadiene	130U
59-50-7	4-Chloro-3-Methylphenol	130U
91-57-6	2-Methylnaphthalene	64U
77-47-4	Hexachlorocyclopentadiene	320U
88-06-2	2,4,6-Trichlorophenol	320U
95-95-4	2,4,5-Trichlorophenol	320U
91-58-7	2-Chloronaphthalene	64U
88-74-4	2-Nitroaniline	320U
131-11-3	Dimethyl Phthalate	64U
208-96-8	Acenaphthylene	64U
99-09-2	3-Nitroaniline	320U

CAS Number		µg/Kg
83-32-9	Acenaphthene	37J
51-28-5	2,4-Dinitrophenol	640U
100-02-7	4-Nitrophenol	320U
132-64-9	Dibenzofuran	64U
121-14-2	2,4-Dinitrotoluene	320U
606-20-2	2,6-Dinitrotoluene	320U
84-66-2	Diethylphthalate	64U
7005-72-3	4-Chlorophenyl-phenylether	64U
86-73-7	Fluorene	34J
100-01-6	4-Nitroaniline	320U
534-52-1	4,6-Dinitro-2-Methylphenol	640U
86-30-6	N-Nitrosodiphenylamine(1)	64U
101-55-3	4-Bromophenyl-phenylether	64U
118-74-1	Hexachlorobenzene	64U
87-86-5	Pentachlorophenol	320U
85-01-8	Phenanthrene	180
120-12-7	Anthracene	96
84-74-2	Di-n-Butylphthalate	64U
206-44-0	Fluoranthene	860
129-00-0	Pyrene	770
85-68-7	Butylbenzylphthalate	64U
91-94-1	3,3'-Dichlorobenzidine	320U
56-55-3	Benzo(a)Anthracene	140
117-81-7	bis(2-Ethylhexyl)Phthalate	310
218-01-9	Chrysene	200
117-84-0	Di-n-Octyl Phthalate	64U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	240
50-32-8	Benzo(a)Pyrene	120
193-39-5	Indeno(1,2,3-cd)Pyrene	73
53-70-3	Dibenz(a,h)Anthracene	64U
191-24-2	Benzo(ghi)Perylene	64U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	72.7%
2-Fluorobiphenyl	89.0%
d14-p-Terphenyl	87.6%

*Acid surrogate recoveries

d5-Phenol	85.4%
2-Fluorophenol	80.4%
2,4,6-Tribromophenol	83.0%

SCL 04769

CTY0049779

SEA290257

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FX
Matrix: Soils/Sediments

Sample No: 11A-0-2
1 to 5 Dilution
QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 60.8 g (dry wt.)
Percent Moisture: 40.6%
pH: 7.41
Conc/Dilution: 1 to 5
Total Dilution: 1 to 5 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/22/90
GPC Clean-up: YES (1 of 2)

CAS Number		µg/Kg
108-95-2	Phenol	160U
111-44-4	bis(2-Chloroethyl)Ether	82U
95-57-8	2-Chlorophenol	82U
541-73-1	1,3-Dichlorobenzene	82U
106-46-7	1,4-Dichlorobenzene	82U
100-51-6	Benzyl Alcohol	410U
95-50-1	1,2-Dichlorobenzene	82U
95-48-7	2-Methylphenol	82U
108-60-1	bis(2-chloroisopropyl)Ether	82U
106-44-5	4-Methylphenol	82U
621-64-7	N-Nitroso-Di-n-Propylamine	82U
67-72-1	Hexachloroethane	160U
98-95-3	Nitrobenzene	82U
78-59-1	Isophorone	82U
88-75-5	2-Nitrophenol	410U
105-67-9	2,4-Dimethylphenol	160U
65-85-0	Benzoic Acid	820U
111-91-1	bis(2-Chloroethoxy)Methane	82U
120-83-2	2,4-Dichlorophenol	250U
120-82-1	1,2,4-Trichlorobenzene	82U
91-20-3	Naphthalene	130
106-47-8	4-Chloroaniline	250U
87-68-3	Hexachlorobutadiene	160U
59-50-7	4-Chloro-3-Methylphenol	160U
91-57-6	2-Methylnaphthalene	34 M
77-47-4	Hexachlorocyclopentadiene	410U
88-06-2	2,4,6-Trichlorophenol	410U
95-95-4	2,4,5-Trichlorophenol	410U
91-58-7	2-Chloronaphthalene	82U
88-74-4	2-Nitroaniline	410U
131-11-3	Dimethyl Phthalate	82U
208-96-8	Acenaphthylene	33 M
99-09-2	3-Nitroaniline	410U

CAS Number		µg/Kg
83-32-9	Acenaphthene	55 J
51-28-5	2,4-Dinitrophenol	820U
100-02-7	4-Nitrophenol	410U
132-64-9	Dibenzofuran	82U
121-14-2	2,4-Dinitrotoluene	410U
606-20-2	2,6-Dinitrotoluene	410U
84-66-2	Diethylphthalate	82U
7005-72-3	4-Chlorophenyl-phenylether	82U
86-73-7	Fluorene	61 J
100-01-6	4-Nitroaniline	410U
534-52-1	4,6-Dinitro-2-Methylphenol	820U
86-30-6	N-Nitrosodiphenylamine(1)	82U
101-55-3	4-Bromophenyl-phenylether	82U
118-74-1	Hexachlorobenzene	82U
87-86-5	Pentachlorophenol	410U
85-01-8	Phenanthrene	290
120-12-7	Anthracene	140
84-74-2	Di-n-Butylphthalate	78 J
206-44-0	Fluoranthene	590
129-00-0	Pyrene	850
85-68-7	Butylbenzylphthalate	82U
91-94-1	3,3'-Dichlorobenzidine	410U
56-55-3	Benzo(a)Anthracene	230
117-81-7	bis(2-Ethylhexyl)Phthalate	570
218-01-9	Chrysene	340
117-84-0	Di-n-Octyl Phthalate	160U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	230
50-32-8	Benzo(a)Pyrene	150
193-39-5	Indeno(1,2,3-cd)Pyrene	160
53-70-3	Dibenz(a,h)Anthracene	82U
191-24-2	Benzo(ghi)Perylene	82U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	75.5%
2-Fluorobiphenyl	81.0%
d14-p-Terphenyl	96.1%

*Acid surrogate recoveries

d5-Phenol	79.2%
2-Fluorophenol	77.7%
2,4,6-Tribromophenol	78.7%

SCL 04770

CTY0049780

SEA290258

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FY
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 11A-2.5-3.5

QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Sample Wt: 69.4 g (dry wt.)
Percent Moisture: 36.8%
pH: 7.82
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	29 U
111-44-4	bis(2-Chloroethyl)Ether	14 U
95-57-8	2-Chlorophenol	14 U
541-73-1	1,3-Dichlorobenzene	14 U
106-46-7	1,4-Dichlorobenzene	14 U
100-51-6	Benzyl Alcohol	72 U
95-50-1	1,2-Dichlorobenzene	14 U
95-48-7	2-Methylphenol	14 U
108-60-1	bis(2-chloroisopropyl)Ether	14 U
106-44-5	4-Methylphenol	14 U
621-64-7	N-Nitroso-Di-n-Propylamine	14 U
67-72-1	Hexachloroethane	29 U
98-95-3	Nitrobenzene	14 U
78-59-1	Isophorone	14 U
88-75-5	2-Nitrophenol	72 U
105-67-9	2,4-Dimethylphenol	29 U
65-85-0	Benzoic Acid	140 U
111-91-1	bis(2-Chloroethoxy)Methane	14 U
120-83-2	2,4-Dichlorophenol	43 U
120-82-1	1,2,4-Trichlorobenzene	14 U
91-20-3	Naphthalene	120
106-47-8	4-Chloroaniline	43 U
87-68-3	Hexachlorobutadiene	29 U
59-50-7	4-Chloro-3-Methylphenol	29 U
91-57-6	2-Methylnaphthalene	14 U
77-47-4	Hexachlorocyclopentadiene	72 U
88-06-2	2,4,6-Trichlorophenol	72 U
95-95-4	2,4,5-Trichlorophenol	72 U
91-58-7	2-Chloronaphthalene	14 U
88-74-4	2-Nitroaniline	72 U
131-11-3	Dimethyl Phthalate	14 U
208-96-8	Acenaphthylene	40
99-09-2	3-Nitroaniline	72 U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12 J
51-28-5	2,4-Dinitrophenol	140 U
100-02-7	4-Nitrophenol	72 U
132-64-9	Dibenzofuran	8.3 J
121-14-2	2,4-Dinitrotoluene	72 U
606-20-2	2,6-Dinitrotoluene	72 U
84-66-2	Diethylphthalate	14 U
7005-72-3	4-Chlorophenyl-phenylether	14 U
86-73-7	Fluorene	11 J
100-01-6	4-Nitroaniline	72 U
534-52-1	4,6-Dinitro-2-Methylphenol	140 U
86-30-6	N-Nitrosodiphenylamine(1)	14 U
101-55-3	4-Bromophenyl-phenylether	14 U
118-74-1	Hexachlorobenzene	14 U
87-86-5	Pentachlorophenol	72 U
85-01-8	Phenanthrene	71
120-12-7	Anthracene	29
84-74-2	Di-n-Butylphthalate	11 J
206-44-0	Fluoranthene	110
129-00-0	Pyrene	100
85-68-7	Butylbenzylphthalate	14 U
91-94-1	3,3'-Dichlorobenzidine	72 U
56-55-3	Benzo(a)Anthracene	33
117-81-7	bis(2-Ethylhexyl)Phthalate	120
218-01-9	Chrysene	32
117-84-0	Di-n-Octyl Phthalate	14 U
205-99-2	Benzo(b)Fluoranthene &	
207-08-9	Benzo(k)Fluoranthene	61
50-32-8	Benzo(a)Pyrene	25
193-39-5	Indeno(1,2,3-cd)Pyrene	25
53-70-3	Dibenz(a,h)Anthracene	14 U
191-24-2	Benzo(ghi)Perylene	14 U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	59.0%
2-Fluorobiphenyl	67.1%
d14-p-Terphenyl	64.1%

*Acid surrogate recoveries

d5-Phenol	68.4%
2-Fluorophenol	63.6%
2,4,6-Tribromophenol	73.7%

SCL 04771

CTY0049781

SEA290259

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125FZ
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 11A-3.5-4.5

QC Report No: 6125-Boeing
Project No: 8-247175
Marine Power
Received: 05/01/90

Sample Wt: 79.9 g (dry wt.)
Percent Moisture: 24.7%
pH: 6.91
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	25 U
111-44-4	bis(2-Chloroethyl)Ether	13 U
95-57-8	2-Chlorophenol	13 U
541-73-1	1,3-Dichlorobenzene	13 U
106-46-7	1,4-Dichlorobenzene	13 U
100-51-6	Benzyl Alcohol	63 U
95-50-1	1,2-Dichlorobenzene	13 U
95-48-7	2-Methylphenol	13 U
108-60-1	bis(2-chloroisopropyl)Ether	13 U
106-44-5	4-Methylphenol	13 U
621-64-7	N-Nitroso-Di-n-Propylamine	13 U
67-72-1	Hexachloroethane	25 U
98-95-3	Nitrobenzene	13 U
78-59-1	Isophorone	13 U
88-75-5	2-Nitrophenol	63 U
105-67-9	2,4-Dimethylphenol	25 U
65-85-0	Benzoic Acid	130 U
111-91-1	bis(2-Chloroethoxy)Methane	13 U
120-83-2	2,4-Dichlorophenol	38 U
120-82-1	1,2,4-Trichlorobenzene	13 U
91-20-3	Naphthalene	13 U
106-47-8	4-Chloroaniline	38 U
87-68-3	Hexachlorobutadiene	25 U
59-50-7	4-Chloro-3-Methylphenol	25 U
91-57-6	2-Methylnaphthalene	13 U
77-47-4	Hexachlorocyclopentadiene	63 U
88-06-2	2,4,6-Trichlorophenol	63 U
95-95-4	2,4,5-Trichlorophenol	63 U
91-58-7	2-Chloronaphthalene	13 U
88-74-4	2-Nitroaniline	63 U
131-11-3	Dimethyl Phthalate	13 U
208-96-8	Acenaphthylene	13 U
99-09-2	3-Nitroaniline	63 U

CAS Number		µg/Kg
83-32-9	Acenaphthene	13 U
51-28-5	2,4-Dinitrophenol	130 U
100-02-7	4-Nitrophenol	63 U
132-64-9	Dibenzofuran	13 U
121-14-2	2,4-Dinitrotoluene	63 U
606-20-2	2,6-Dinitrotoluene	63 U
84-66-2	Diethylphthalate	13 U
7005-72-3	4-Chlorophenyl-phenylether	13 U
86-73-7	Fluorene	13 U
100-01-6	4-Nitroaniline	63 U
534-52-1	4,6-Dinitro-2-Methylphenol	130 U
86-30-6	N-Nitrosodiphenylamine(1)	13 U
101-55-3	4-Bromophenyl-phenylether	13 U
118-74-1	Hexachlorobenzene	13 U
87-86-5	Pentachlorophenol	63 U
85-01-8	**Phenanthrene**	12 J
120-12-7	Anthracene	13 U
84-74-2	Di-n-Butylphthalate	13 U
206-44-0	**Fluoranthene**	30
129-00-0	**Pyrene**	21
85-68-7	Butylbenzylphthalate	13 U
91-94-1	3,3'-Dichlorobenzidine	63 U
56-55-3	**Benzo(a)Anthracene**	9.2 J
117-81-7	**bis(2-Ethylhexyl)Phthalate**	120
218-01-9	**Chrysene**	8.4 J
117-84-0	Di-n-Octyl Phthalate	13 U
205-99-2	**Benzo(b)Fluoranthene &**	
207-08-9	**Benzo(k)Fluoranthene**	13 J
50-32-8	**Benzo(a)Pyrene**	6.9 M
193-39-5	Indeno(1,2,3-cd)Pyrene	13 U
53-70-3	Dibenz(a,h)Anthracene	13 U
191-24-2	Benzo(ghi)Perylene	13 U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	57.5%
2-Fluorobiphenyl	67.2%
d14-o-Terphenyl	65.5%

*Acid surrogate recoveries

d5-Phenol	66.5%
2-Fluorophenol	62.9%
2,4,6-Tribromophenol	73.7%

SCL 04772

CTY0049782

SEA290260

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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 5125GB
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 12A-0.5-2

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 81.8 g (dry wt.)
Percent Moisture: 21.8%
pH: 7.25
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg	CAS Number		µg/Kg
108-95-2	Phenol	24U	83-32-9	Acenaphthene	12U
111-44-4	bis(2-Chloroethyl)Ether	12U	51-28-5	2,4-Dinitrophenol	120U
95-57-8	2-Chlorophenol	12U	100-02-7	4-Nitrophenol	61U
541-73-1	1,3-Dichlorobenzene	12U	132-64-9	Dibenzofuran	12U
106-46-7	1,4-Dichlorobenzene	12U	121-14-2	2,4-Dinitrotoluene	61U
100-51-6	Benzyl Alcohol	61U	606-20-2	2,6-Dinitrotoluene	61U
95-50-1	1,2-Dichlorobenzene	12U	84-66-2	Diethylphthalate	12U
95-48-7	2-Methylphenol	12U	7005-72-3	4-Chlorophenyl-phenylether	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U	86-73-7	Fluorene	12U
106-44-5	4-Methylphenol	12U	100-01-6	4-Nitroaniline	61U
621-64-7	N-Nitroso-Di-n-Propylamine	12U	534-52-1	4,6-Dinitro-2-Methylphenol	120U
67-72-1	Hexachloroethane	24U	86-30-6	N-Nitrosodiphenylamine(1)	12U
98-95-3	Nitrobenzene	12U	101-55-3	4-Bromophenyl-phenylether	12U
78-59-1	Isophorone	12U	118-74-1	Hexachlorobenzene	12U
88-75-5	2-Nitrophenol	61U	87-86-5	Pentachlorophenol	61U
105-67-9	2,4-Dimethylphenol	24U	85-01-8	Phenanthrene	12U
65-85-0	Benzoic Acid	120U	120-12-7	Anthracene	12U
111-91-1	bis(2-Chloroethoxy)Methane	12U	84-74-2	Di-n-Butylphthalate	12U
120-83-2	2,4-Dichlorophenol	37U	206-44-0	Fluoranthene	12U
120-82-1	1,2,4-Trichlorobenzene	12U	129-00-0	Pyrene	12U
91-20-3	Naphthalene	12U	85-68-7	Butylbenzylphthalate	12U
106-47-8	4-Chloroaniline	37U	91-94-1	3,3'-Dichlorobenzidine	61U
87-68-3	Hexachlorobutadiene	24U	56-55-3	Benzo(a)Anthracene	12U
59-50-7	4-Chloro-3-Methylphenol	24U	117-81-7	bis(2-Ethylhexyl)Phthalate	240
91-57-6	2-Methylnaphthalene	12U	218-01-9	Chrysene	12U
77-47-4	Hexachlorocyclopentadiene	61U	117-84-0	Di-n-Octyl Phthalate	12U
88-06-2	2,4,6-Trichlorophenol	61U	205-99-2	Benzo(b)Fluoranthene	12U
95-95-4	2,4,5-Trichlorophenol	61U	207-08-9	Benzo(k)Fluoranthene	12U
91-58-7	2-Chloronaphthalene	12U	50-32-8	Benzo(a)Pyrene	12U
88-74-4	2-Nitroaniline	61U	193-39-5	Indeno(1,2,3-cd)Pyrene	12U
131-11-3	Dimethyl Phthalate	12U	53-70-3	Dibenz(a,h)Anthracene	12U
208-96-8	Acenaphthylene	12U	191-24-2	Benzo(ghi)Perylene	12U
99-09-2	3-Nitroaniline	61U			

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	54.6%
2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	67.5%

***Acid surrogate recoveries**

d5-Phenol	60.9%
2-Fluorophenol	57.8%
2,4,6-Tribromophenol	72.9%

SCL 04773

CTY0049783

SEA290261

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 5125G8
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

Sample No: 12A-5-2

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 81.8 g (dry wt.)
Percent Moisture: 21.8%
pH: 7.25
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	24U
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	12U
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	12U
100-51-6	Benzyl Alcohol	61U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	12U
67-72-1	Hexachloroethane	24U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	61U
105-67-9	2,4-Dimethylphenol	24U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	37U
120-82-1	1,2,4-Trichlorobenzene	12U
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	37U
87-68-3	Hexachlorobutadiene	24U
59-50-7	4-Chloro-3-Methylphenol	24U
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	61U
88-06-2	2,4,6-Trichlorophenol	61U
95-95-4	2,4,5-Trichlorophenol	61U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	61U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	61U

CAS Number		µg/Kg
83-32-9	Acenaphthene	12U
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	61U
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	61U
606-20-2	2,6-Dinitrotoluene	61U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	61U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	61U
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	12U
129-00-0	Pyrene	12U
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	61U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	bis(2-Ethylhexyl)Phthalate	240
218-01-9	Chrysene	12U
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene	12U
207-08-9	Benzo(k)Fluoranthene	12U
50-32-8	Benzo(a)Pyrene	12U
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	54.6%
2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	67.5%

***Acid surrogate recoveries**

d5-Phenol	60.9%
2-Fluorophenol	57.8%
2,4,6-Tribromophenol	72.9%

SCL 04774

CTY0049784

SEA290262

ANALYTICAL RESOURCES INCORPORATED

Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125GC
Matrix: Soils/Sediments

Sample No: 12A-4-6

QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 76.7 g (dry wt.)
Percent Moisture: 23.7%
pH: 7.64
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

CAS Number		ug/Kg
108-95-2	Phenol	26U
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	13U
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	13U
100-51-6	Benzyl Alcohol	65U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	13U
67-72-1	Hexachloroethane	26U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	65U
105-67-9	2,4-Dimethylphenol	26U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	39U
120-82-1	1,2,4-Trichlorobenzene	13U
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	39U
87-68-3	Hexachlorobutadiene	26U
59-50-7	4-Chloro-3-Methylphenol	26U
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	65U
88-06-2	2,4,6-Trichlorophenol	65U
95-95-4	2,4,5-Trichlorophenol	65U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	65U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	65U

CAS Number		ug/Kg
83-32-9	Acenaphthene	13U
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	65U
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	65U
606-20-2	2,6-Dinitrotoluene	65U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	65U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	65U
85-01-8	Phenanthrene	13U
120-12-7	Anthracene	13U
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	13U
129-00-0	Pyrene	13U
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	65U
56-55-3	Benzo(a)Anthracene	13U
117-81-7	bis(2-Ethylhexyl)Phthalate	260
218-01-9	Chrysene	13U
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	Benzo(b)Fluoranthene	13U
207-08-9	Benzo(k)Fluoranthene	13U
50-32-8	Benzo(a)Pyrene	13U
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	62.3%
2-Fluorobiphenyl	70.4%
d14-o-Terphenyl	78.7%

*Acid surrogate recoveries

d5-Phenol	64.0%
2-Fluorophenol	67.9%
2,4,6-Tribromophenol	74.3%

SCL 04775

CTY0049785

SEA290263

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333 Ninth A
Seattle, W
(206) 621-
(206) 621-

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270
Lab ID: 6125GCMS
Matrix: Soils/Sediments

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Date extracted: 05/09/90
Analyzed (FINN 2): 05/17/90
GPC Clean-up: YES (1 of 2)

Sample No: 12A-4-6
Matrix Spike
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Sample Wt: 81.3 g (dry wt.)
Percent Moisture: 23.7%
pH: 7.64
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

CAS Number		µg/Kg
108-95-2	Phenol	-
111-44-4	bis(2-Chloroethyl)Ether	12U
95-57-8	2-Chlorophenol	-
541-73-1	1,3-Dichlorobenzene	12U
106-46-7	1,4-Dichlorobenzene	-
100-51-6	Benzyl Alcohol	62U
95-50-1	1,2-Dichlorobenzene	12U
95-48-7	2-Methylphenol	12U
108-60-1	bis(2-chloroisopropyl)Ether	12U
106-44-5	4-Methylphenol	12U
621-64-7	N-Nitroso-Di-n-Propylamine	-
67-72-1	Hexachloroethane	25U
98-95-3	Nitrobenzene	12U
78-59-1	Isophorone	12U
88-75-5	2-Nitrophenol	62U
105-67-9	2,4-Dimethylphenol	25U
65-85-0	Benzoic Acid	120U
111-91-1	bis(2-Chloroethoxy)Methane	12U
120-83-2	2,4-Dichlorophenol	37U
120-82-1	1,2,4-Trichlorobenzene	-
91-20-3	Naphthalene	12U
106-47-8	4-Chloroaniline	37U
87-68-3	Hexachlorobutadiene	25U
59-50-7	4-Chloro-3-Methylphenol	-
91-57-6	2-Methylnaphthalene	12U
77-47-4	Hexachlorocyclopentadiene	62U
88-06-2	2,4,6-Trichlorophenol	62U
95-95-4	2,4,5-Trichlorophenol	62U
91-58-7	2-Chloronaphthalene	12U
88-74-4	2-Nitroaniline	62U
131-11-3	Dimethyl Phthalate	12U
208-96-8	Acenaphthylene	12U
99-09-2	3-Nitroaniline	62U

CAS Number		µg/Kg
83-32-9	Acenaphthene	-
51-28-5	2,4-Dinitrophenol	120U
100-02-7	4-Nitrophenol	-
132-64-9	Dibenzofuran	12U
121-14-2	2,4-Dinitrotoluene	-
606-20-2	2,6-Dinitrotoluene	62U
84-66-2	Diethylphthalate	12U
7005-72-3	4-Chlorophenyl-phenylether	12U
86-73-7	Fluorene	12U
100-01-6	4-Nitroaniline	62U
534-52-1	4,6-Dinitro-2-Methylphenol	120U
86-30-6	N-Nitrosodiphenylamine(1)	12U
101-55-3	4-Bromophenyl-phenylether	12U
118-74-1	Hexachlorobenzene	12U
87-86-5	Pentachlorophenol	-
85-01-8	Phenanthrene	12U
120-12-7	Anthracene	12U
84-74-2	Di-n-Butylphthalate	12U
206-44-0	Fluoranthene	12U
129-00-0	Pyrene	-
85-68-7	Butylbenzylphthalate	12U
91-94-1	3,3'-Dichlorobenzidine	62U
56-55-3	Benzo(a)Anthracene	12U
117-81-7	bis(2-Ethylhexyl)Phthalate	330
218-01-9	Chrysene	12U
117-84-0	Di-n-Octyl Phthalate	12U
205-99-2	Benzo(b)Fluoranthene	12U
207-08-9	Benzo(k)Fluoranthene	12U
50-32-8	Benzo(a)Pyrene	12U
193-39-5	Indeno(1,2,3-cd)Pyrene	12U
53-70-3	Dibenz(a,h)Anthracene	12U
191-24-2	Benzo(ghi)Perylene	12U

(1) Cannot be separated from diphenylamine

*Base/neutral surrogate recoveries

d5-Nitrobenzene	72.0%
2-Fluorobiphenyl	75.3%
d14-o-Terphenyl	79.2%

*Acid surrogate recoveries

d5-Phenol	75.0%
2-Fluorophenol	78.5%
2,4,6-Tribromophenol	80.7%

SCL 04776

CTY0049786

SEA290264

ANALYTICAL
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333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ARI Job No: 6125

Sample No: 12A-4-6

Client: Boeing
Project: B-247175
Marine Power

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONC (µg/Kg)	MS CONC (µg/Kg)	MS % REC	QC LIMITS REC
Phenol	1300	0.0	940	72.3	26-90
2-Chlorophenol	1300	0.0	1000	76.9	25-102
1,4-Dichlorobenzene	630	0.0	480	76.2	28-104
N-Nitroso-Di-n-Propylamine	630	0.0	480	76.2	41-126
1,2,4-Trichlorobenzene	630	0.0	470	74.6	38-107
4-Chloro-3-Methylphenol	1300	0.0	1000	76.9	26-103
Acenaphthene	630	0.0	510	81.0	31-137
4-Nitrophenol	1300	0.0	1400	108	11-114
2,4-Dinitrotoluene	630	0.0	480	76.2	28-89
Pentachlorophenol	1300	0.0	510	39.2	17-109
Pyrene	630	0.0	520	82.5	35-142

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONC (µg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Phenol	1300	800	61.5	16	35	26-90
2-Chlorophenol	1300	760	58.5	27	50	25-102
1,4-Dichlorobenzene	630	340	54.0	*34	27	28-104
N-Nitroso-Di-n-Propylamine	630	510	81.0	-6.1	38	41-126
1,2,4-Trichlorobenzene	630	390	61.9	19	23	38-107
4-Chloro-3-Methylphenol	1300	1000	76.9	0.0	33	26-103
Acenaphthene	630	420	66.7	19	19	31-137
4-Nitrophenol	1300	1200	92.3	15	50	11-114
2,4-Dinitrotoluene	630	470	74.6	2.1	47	28-89
Pentachlorophenol	1300	450	34.6	13	47	17-109
Pyrene	630	480	76.2	8.0	36	35-142

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

Asterisked values outside QC Limits

Comments: 78.8 gm average dry weight sample size.

FORM III SV-2

SCL 04777

CTY0049787

SEA290265

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Analytical Chemists & Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by Methods 625/8270

Lab ID: 6125GCMSD
Matrix: Soils/Sediments

Sample No: 12A-4-6
Matrix Spike Dup.
QC Report No: 6125-Boeing
Project No: B-247175
Marine Power
Received: 05/01/90

Date Release Authorized: _____
Report prepared 05/22/90 MAC:E

Sample Wt: 76.3 g (dry wt.)
Percent Moisture: 23.7%
pH: 7.64
Conc/Dilution: 1 to 1
Total Dilution: 1 to 1 (Final Vol. = 0.5 mls)

Date extracted: 05/09/90
Analyzed (FINN 2): 05/18/90
GPC Clean-up: YES (1 of 2)

CAS Number		ug/Kg
108-95-2	Phenol	-
111-44-4	bis(2-Chloroethyl)Ether	13U
95-57-8	2-Chlorophenol	-
541-73-1	1,3-Dichlorobenzene	13U
106-46-7	1,4-Dichlorobenzene	-
100-51-6	Benzyl Alcohol	66U
95-50-1	1,2-Dichlorobenzene	13U
95-48-7	2-Methylphenol	13U
108-60-1	bis(2-chloroisopropyl)Ether	13U
106-44-5	4-Methylphenol	13U
621-64-7	N-Nitroso-Di-n-Propylamine	-
67-72-1	Hexachloroethane	26U
98-95-3	Nitrobenzene	13U
78-59-1	Isophorone	13U
88-75-5	2-Nitrophenol	66U
105-67-9	2,4-Dimethylphenol	26U
65-85-0	Benzoic Acid	130U
111-91-1	bis(2-Chloroethoxy)Methane	13U
120-83-2	2,4-Dichlorophenol	39U
120-82-1	1,2,4-Trichlorobenzene	-
91-20-3	Naphthalene	13U
106-47-8	4-Chloroaniline	39U
87-68-3	Hexachlorobutadiene	26U
59-50-7	4-Chloro-3-Methylphenol	-
91-57-6	2-Methylnaphthalene	13U
77-47-4	Hexachlorocyclopentadiene	66U
88-06-2	2,4,6-Trichlorophenol	66U
95-95-4	2,4,5-Trichlorophenol	66U
91-58-7	2-Chloronaphthalene	13U
88-74-4	2-Nitroaniline	66U
131-11-3	Dimethyl Phthalate	13U
208-96-8	Acenaphthylene	13U
99-09-2	3-Nitroaniline	66U

CAS Number		ug/Kg
83-32-9	Acenaphthene	-
51-28-5	2,4-Dinitrophenol	130U
100-02-7	4-Nitrophenol	-
132-64-9	Dibenzofuran	13U
121-14-2	2,4-Dinitrotoluene	-
606-20-2	2,6-Dinitrotoluene	66U
84-66-2	Diethylphthalate	13U
7005-72-3	4-Chlorophenyl-phenylether	13U
86-73-7	Fluorene	13U
100-01-6	4-Nitroaniline	66U
534-52-1	4,6-Dinitro-2-Methylphenol	130U
86-30-6	N-Nitrosodiphenylamine(1)	13U
101-55-3	4-Bromophenyl-phenylether	13U
118-74-1	Hexachlorobenzene	13U
87-86-5	Pentachlorophenol	-
85-01-8	Phenanthrene	13U
120-12-7	Anthracene	13U
84-74-2	Di-n-Butylphthalate	13U
206-44-0	Fluoranthene	13U
129-00-0	Pyrene	-
85-68-7	Butylbenzylphthalate	13U
91-94-1	3,3'-Dichlorobenzidine	66U
56-55-3	Benzo(a)Anthracene	13U
117-81-7	bis(2-Ethylhexyl)Phthalate	410
218-01-9	Chrysene	13U
117-84-0	Di-n-Octyl Phthalate	13U
205-99-2	Benzo(b)Fluoranthene	13U
207-08-9	Benzo(k)Fluoranthene	13U
50-32-8	Benzo(a)Pyrene	13U
193-39-5	Indeno(1,2,3-cd)Pyrene	13U
53-70-3	Dibenz(a,h)Anthracene	13U
191-24-2	Benzo(ghi)Perylene	13U

(1) Cannot be separated from diphenylamine

***Base/neutral surrogate recoveries**

d5-Nitrobenzene	53.7%
2-Fluorobiphenyl	60.4%
d14-p-Terphenyl	71.2%

***Acid surrogate recoveries**

d5-Phenol	59.7%
2-Fluorophenol	57.0%
2,4,6-Tribromophenol	71.3%

SCL 04778

CTY0049788

SEA290266