160257

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RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

ANALYSIS RESULTS

SAMPLE ID: OP-2-Zn
LAB ID: 9506/047-004
DATE COLLECTED: 5/31/95 14:30
DATE RECEIVED: 6/02/95 5:37

TEST PERFORMED	METHOD OF ANALYSIS	RESULTS		ANALYST
METALS ANALYSIS	SW-846 6010	TOTAL		
ARSENIC		26.2	mg/kg	6/13/95 R.D.
BARIUM		186		
CADMIUM		18.6		
CHROMIUM		82.3		
COPPER		188		
LEAD		305		
SELENIUM		<18.2		
SILVER		1.91		
ZINC		11,900		
MERCURY	SW-846 7471	2.73		6/09/95 D.S.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

QUALITY ASSURANCE QUALITY CONTROL REPORT

MATRIX SPIKE
ICP/AA SOIL

SAMPLE ID: OP-2-Zn
LAB ID: 9506/047-004
DATE COLLECTED: 5/31/95 14:30
DATE RECEIVED: 6/02/95 5:37

ELEMENT	SAMPLE RESULT (mg/kg)	SPIKE LEVEL (mg/kg)	SPIKE RESULT (mg/kg)	% REC.
ARSENIC	26.2	722	605	80
BARIUM	186	722	709	72
CADMIUM	18.6	18	23.8	29
CHROMIUM	82.3	72	109	37
COPPER	188	90	236	53
LEAD	305	180	339	19
MERCURY	2.73	1.0	2.68	--
SELENIUM	<18.2	722	605	84
SILVER	1.91	18	11.5	53
ZINC	9,300	180	6,160	--

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ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

VOLATILE ORGANICS ANALYSIS

METHOD SW-846 8020

SAMPLE ID: METHOD BLANK
LAB ID: VEBLK158WA

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULT
71-43-2	BENZENE	2.0 µg/l	U µg/l
108-88-3	TOLUENE	2.0	U
100-41-4	ETHYLBENZENE	2.0	U
	XYLENE (TOTAL)	5.0	U

SURROGATE RECOVERY RESULTS

460-00-4 BROMOFLUOROBENZENE(S) 97% RECOVERY

U = UNDETECTED
B = PRESENT IN BLANK
J = DETECTED, BUT BELOW PRACTICAL QUANTITATION LIMIT

DATE COLLECTED : ---
DATE RECEIVED : ---
DATE ANALYZED : 6/07/95
ANALYST : T.H.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

VOLATILE ORGANICS ANALYSIS

METHOD SW-846 8020

SAMPLE ID: OP-1-OIL
LAB ID: 9506/047-003

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULT
71-43-2	BENZENE	10,000 µg/l	41,000 µg/l
108-88-3	TOLUENE	10,000	590,000
100-41-4	ETHYLBENZENE	10,000	19,000
	XYLENE (TOTAL)	25,000	370,000

SURROGATE RECOVERY RESULTS

BROMOCHLOROBENZENE 90% RECOVERY

U = UNDETECTED
B = PRESENT IN BLANK
J = DETECTED, BUT BELOW PRACTICAL QUANTITATION LIMIT

DATE COLLECTED : 6/01/95 0900
DATE RECEIVED : 6/02/95 5:37
DATE ANALYZED : 6/08/95
ANALYST : T.H.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

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INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

VOLATILE ORGANICS ANALYSIS

METHOD SW-846 8020

SAMPLE ID: OP-1-WHITE
LAB ID: 9506/047-005

CAS NUMBER			PRACTICAL QUANTITATION LIMIT	RESULT
71-43-2	BENZENE	(1)	1,000 µg/l	16,000 µg/l
108-88-3	TOLUENE	(2)	100,000	140,000
100-41-4	ETHYLBENZENE	(1)	1,000	3,000
	XYLENE (TOTAL)	(1)	2,500	12,000

SURROGATE RECOVERY RESULTS

	BROMOCHLOROBENZENE	(1)	103% RECOVERY
460-00-4	BROMOFLUOROBENZENE(S)	(2)	103% RECOVERY

U = UNDETECTED
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DATE COLLECTED : 6/01/95 0910
DATE RECEIVED : 6/02/95 5:37
DATE ANALYZED : 6/07 & 09/95
ANALYST : T.H.

JUNE 15, 1995

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ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

VOLATILE ORGANICS ANALYSIS

METHOD SW-846 8020

SAMPLE ID: OP-1-SACK
LAB ID: 9506/047-006

CAS NUMBER			PRACTICAL QUANTITATION LIMIT	RESULT
71-43-2	BENZENE	(1)	1,000 µg/l	23,000 µg/l
108-88-3	TOLUENE	(2)	100,000	130,000
100-41-4	ETHYLBENZENE	(1)	1,000	19,000
	XYLENE (TOTAL)	(1)	2,500	45,000

SURROGATE RECOVERY RESULTS

	FLUOROBENZENE	(1)	97% RECOVERY
460-00-4	BROMOFLUOROBENZENE(S)	(2)	100% RECOVERY

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DATE COLLECTED : 6/01/95 0910
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DATE ANALYZED : 6/07 & 09/95
ANALYST : T.H.

JUNE 15, 1995

WAYNE L. COOPER
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RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

VOLATILE ORGANICS ANALYSIS

METHOD SW-846 8020

SAMPLE ID: OP-1-D
LAB ID: 9506/047-008

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULT
71-43-2	BENZENE	1,000 µg/l	U µg/l
108-88-3	TOLUENE	1,000	3,400
100-41-4	ETHYLBENZENE	1,000	U
	XYLENE (TOTAL)	2,500	17,000

SURROGATE RECOVERY RESULTS

460-00-4 BROMOFLUOROBENZENE(S) 107% RECOVERY

U = UNDETECTED
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ANALYST : T.H.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

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500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE ONE**

SAMPLE ID: OP-1-OIL
LAB ID: 9506/047-003

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	5,000,000 µg/kg	U µg/kg
108-95-2	Phenol	5,000,000	U
111-44-4	bis(2-chloroethyl)Ether	5,000,000	U
95-57-8	2-Chlorophenol	5,000,000	U
541-73-1	1,3-Dichlorobenzene	5,000,000	U
106-46-7	1,4-Dichlorobenzene	5,000,000	U
100-51-6	Benzyl Alcohol	5,000,000	U
95-50-1	1,2-Dichlorobenzene	5,000,000	U
95-48-7	o-Cresol	5,000,000	U
39638-32-9	bis-(2-Chloro2propyl)Ether	5,000,000	U
106-44-5	m & p-Cresol	5,000,000	U
621-64-7	N-Nitroso-Di-n-propylamine	5,000,000	U
67-72-1	Hexachloroethane	5,000,000	U
98-95-3	Nitrobenzene	5,000,000	U
78-59-1	Isophorone	5,000,000	U
88-75-5	2-Nitrophenol	5,000,000	U
105-67-9	2,4-Dimethylphenol	5,000,000	U
65-85-0	Benzoic Acid	25,000,000	U
111-91-1	bis(2-Chloroethoxy)methane	5,000,000	U
120-83-2	2,4-Dichlorophenol	5,000,000	U
120-82-1	1,2,4-Trichlorobenzene	5,000,000	U
91-20-3	Naphthalene	5,000,000	66,000,000
106-47-8	4-Chloroaniline	5,000,000	U
87-68-3	Hexachlorobutadiene	5,000,000	U
59-50-7	4-Chloro-3-methylphenol	5,000,000	U
91-57-6	2-Methylnaphthalene	5,000,000	U
77-47-4	Hexachlorocyclopentadiene	5,000,000	U
88-06-2	2,4,6-Trichlorophenol	5,000,000	U
95-95-4	2,4,5-Trichlorophenol	5,000,000	U
91-58-7	2-Chloronaphthalene	5,000,000	U
88-74-4	2-Nitroaniline	25,000,000	U
131-11-3	Dimethylphthalate	5,000,000	U
103-33-3	Azobenzene	5,000,000	U
208-96-8	Acenaphthylene	5,000,000	U
606-20-2	2,6-Dinitrotoluene	5,000,000	U
99-09-2	3-Nitroaniline	25,000,000	U
83-32-9	Acenaphthene	5,000,000	U
51-28-5	2,4-Dinitrophenol	25,000,000	U

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
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ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE TWO**

SAMPLE ID: OP-1-OIL
LAB ID: 9506/047-003

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	25,000,000 µg/kg	U µg/kg
132-64-9	Dibenzofuran	5,000,000	U
121-14-2	2,4-Dinitrotoluene	5,000,000	U
84-66-2	Diethylphthalate	5,000,000	U
7005-72-3	4-Chlorophenol phenyl ether	5,000,000	U
86-73-7	Fluorene	5,000,000	U
100-01-6	4-Nitroaniline	25,000,000	U
534-52-1	4,6-Dinitro-2-methylphenol	25,000,000	U
86-30-6	N-Nitrosodiphenylamine	5,000,000	U
101-55-3	4-Bromophenyl phenyl ether	5,000,000	U
118-74-1	Hexachlorobenzene	5,000,000	U
87-86-5	Pentachlorophenol	25,000,000	U
85-01-8	Phenanthrene	5,000,000	U
120-12-7	Anthracene	5,000,000	U
84-74-2	Carbazole	5,000,000	U
84-74-2	Di-n-butylphthalate	5,000,000	U
206-44-0	Fluoranthene	5,000,000	U
92-87-4	Benzidine	5,000,000	U
129-00-0	Pyrene	5,000,000	U
85-68-7	Butylbenzylphthalate	5,000,000	U
91-94-1	3,3'-Dichlorobenzidine	5,000,000	U
56-55-3	Benzo(a)anthracene	5,000,000	U
218-01-9	Chrysene	5,000,000	U
117-81-7	bis(2-Ethylhexyl)phthalate	5,000,000	U
117-84-0	Di-n-octylphthalate	5,000,000	U
205-99-2	Benzo(b)fluoranthene	5,000,000	U
207-08-9	Benzo(k)fluoranthene	5,000,000	U
50-32-8	Benzo(a)pyrene	5,000,000	U
193-39-5	Indeno(1,2,3-cd)pyrene	5,000,000	U
53-70-3	Dibenzo(a,h)anthracene	5,000,000	U
191-24-2	Benzo(g,h,i)perylene	5,000,000	U

U = UNDETECTED
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DATE COLLECTED : 6/01/95 0900
DATE RECEIVED : 6/02/95 5:37
DATE EXTRACTED : 6/08/95
DATE ANALYZED : 6/10/95
ANALYST : D.C.

JUNE 15, 1995

WAYNE L. COOPER Ph.D
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE ONE**

SAMPLE ID: OP-1-WHITE
LAB ID: 9506/047-005

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	620,000 µg/kg	U µg/kg
108-95-2	Phenol	620,000	U
111-44-4	bis(2-chloroethyl)Ether	620,000	U
95-57-8	2-Chlorophenol	620,000	U
541-73-1	1,3-Dichlorobenzene	620,000	U
106-46-7	1,4-Dichlorobenzene	620,000	U
100-51-6	Benzyl Alcohol	620,000	U
95-50-1	1,2-Dichlorobenzene	620,000	U
95-48-7	o-Cresol	620,000	U
39638-32-9	bis-(2-Chloro2propyl)Ether	620,000	U
106-44-5	m & p-Cresol	620,000	U
621-64-7	N-Nitroso-Di-n-propylamine	620,000	U
67-72-1	Hexachloroethane	620,000	U
98-95-3	Nitrobenzene	620,000	U
78-59-1	Isophorone	620,000	U
88-75-5	2-Nitrophenol	620,000	U
105-67-9	2,4-Dimethylphenol	620,000	U
65-85-0	Benzoic Acid	3,100,000	U
111-91-1	bis(2-Chloroethoxy)methane	620,000	U
120-83-2	2,4-Dichlorophenol	620,000	U
120-82-1	1,2,4-Trichlorobenzene	620,000	U
91-20-3	Naphthalene	3,100,000	15,000,000
106-47-8	4-Chloroaniline	620,000	U
87-68-3	Hexachlorobutadiene	620,000	U
59-50-7	4-Chloro-3-methylphenol	620,000	U
91-57-6	2-Methylnaphthalene	620,000	U
77-47-4	Hexachlorocyclopentadiene	620,000	U
88-06-2	2,4,6-Trichlorophenol	620,000	U
95-95-4	2,4,5-Trichlorophenol	620,000	U
91-58-7	2-Chloronaphthalene	620,000	U
88-74-4	2-Nitroaniline	3,100,000	U
131-11-3	Dimethylphthalate	620,000	U
103-33-3	Azobenzene	620,000	U
208-96-8	Acenaphthylene	620,000	U
606-20-2	2,6-Dinitrotoluene	620,000	U
99-09-2	3-Nitroaniline	3,100,000	U
83-32-9	Acenaphthene	620,000	U
51-28-5	2,4-Dinitrophenol	3,100,000	U

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE TWO**

SAMPLE ID: OP-1-WHITE
LAB ID: 9506/047-005

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	3,100,000 µg/kg	U µg/kg
132-64-9	Dibenzofuran	620,000	U
121-14-2	2,4-Dinitrotoluene	620,000	U
84-66-2	Diethylphthalate	620,000	U
7005-72-3	4-Chlorophenol phenyl ether	620,000	U
86-73-7	Fluorene	620,000	U
100-01-6	4-Nitroaniline	3,100,000	U
534-52-1	4,6-Dinitro-2-methylphenol	3,100,000	U
86-30-6	N-Nitrosodiphenylamine	620,000	U
101-55-3	4-Bromophenyl phenyl ether	620,000	U
118-74-1	Hexachlorobenzene	620,000	U
87-86-5	Pentachlorophenol	3,100,000	U
85-01-8	Phenanthrene	620,000	U
120-12-7	Anthracene	620,000	U
84-74-2	Carbazole	620,000	U
84-74-2	Di-n-butylphthalate	620,000	U
206-44-0	Fluoranthene	620,000	U
92-87-4	Benzidine	620,000	U
129-00-0	Pyrene	620,000	U
85-68-7	Butylbenzylphthalate	620,000	U
91-94-1	3,3'-Dichlorobenzidine	620,000	U
56-55-3	Benzo(a)anthracene	620,000	U
218-01-9	Chrysene	620,000	U
117-81-7	bis(2-Ethylhexyl)phthalate	620,000	U
117-84-0	Di-n-octylphthalate	620,000	U
205-99-2	Benzo(b)fluoranthene	620,000	U
207-08-9	Benzo(k)fluoranthene	620,000	U
50-32-8	Benzo(a)pyrene	620,000	U
193-39-5	Indeno(1,2,3-cd)pyrene	620,000	U
53-70-3	Dibenzo(a,h)anthracene	620,000	U
191-24-2	Benzo(g,h,i)perylene	620,000	U

U = UNDETECTED
B = PRESENT IN BLANK
J = DETECTED, BUT BELOW PRACTICAL QUANTITATION LIMIT

DATE COLLECTED : 6/01/95 0910
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ANALYST : D.C.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

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ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE ONE**

SAMPLE ID: OP-1-SACK
LAB ID: 9506/047-006

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	610,000 µg/kg	U µg/kg
108-95-2	Phenol	610,000	U
111-44-4	bis(2-chloroethyl)Ether	610,000	U
95-57-8	2-Chlorophenol	610,000	U
541-73-1	1,3-Dichlorobenzene	610,000	U
106-46-7	1,4-Dichlorobenzene	610,000	U
100-51-6	Benzyl Alcohol	610,000	U
95-50-1	1,2-Dichlorobenzene	610,000	U
95-48-7	o-Cresol	610,000	U
39638-32-9	bis-(2-Chloro2propyl)Ether	610,000	U
106-44-5	m & p-Cresol	610,000	U
621-64-7	N-Nitroso-Di-n-propylamine	610,000	U
67-72-1	Hexachloroethane	610,000	U
98-95-3	Nitrobenzene	610,000	U
78-59-1	Isophorone	610,000	U
88-75-5	2-Nitrophenol	610,000	U
105-67-9	2,4-Dimethylphenol	610,000	U
65-85-0	Benzoic Acid	3,100,000	U
111-91-1	bis(2-Chloroethoxy)methane	610,000	U
120-83-2	2,4-Dichlorophenol	610,000	U
120-82-1	1,2,4-Trichlorobenzene	610,000	U
91-20-3	Naphthalene	600,000	9,300,000
106-47-8	4-Chloroaniline	3,100,000	16,000,000
87-68-3	Hexachlorobutadiene	610,000	U
59-50-7	4-Chloro-3-methylphenol	610,000	U
91-57-6	2-Methylnaphthalene	610,000	U
77-47-4	Hexachlorocyclopentadiene	610,000	U
88-06-2	2,4,6-Trichlorophenol	610,000	U
95-95-4	2,4,5-Trichlorophenol	610,000	U
91-58-7	2-Chloronaphthalene	610,000	U
88-74-4	2-Nitroaniline	3,100,000	U
131-11-3	Dimethylphthalate	610,000	U
103-33-3	Azobenzene	610,000	U
208-96-8	Acenaphthylene	610,000	U
606-20-2	2,6-Dinitrotoluene	610,000	U
99-09-2	3-Nitroaniline	3,100,000	U
83-32-9	Acenaphthene	610,000	U
51-28-5	2,4-Dinitrophenol	3,100,000	U

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BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE TWO**

SAMPLE ID: OP-1-SACK
LAB ID: 9506/047-006

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	3,100,000 µg/kg	U µg/kg
132-64-9	Dibenzofuran	610,000	U
121-14-2	2,4-Dinitrotoluene	610,000	U
84-66-2	Diethylphthalate	610,000	U
7005-72-3	4-Chlorophenol phenyl ether	610,000	U
86-73-7	Fluorene	610,000	U
100-01-6	4-Nitroaniline	3,100,000	U
534-52-1	4,6-Dinitro-2-methylphenol	3,100,000	U
86-30-6	N-Nitrosodiphenylamine	610,000	U
101-55-3	4-Bromophenyl phenyl ether	610,000	U
118-74-1	Hexachlorobenzene	610,000	U
87-86-5	Pentachlorophenol	3,100,000	U
85-01-8	Phenanthrene	610,000	U
120-12-7	Anthracene	610,000	U
84-74-2	Carbazole	610,000	U
84-74-2	Di-n-butylphthalate	610,000	U
206-44-0	Fluoranthene	610,000	U
92-87-4	Benzidine	610,000	U
129-00-0	Pyrene	610,000	U
85-68-7	Butylbenzylphthalate	610,000	U
91-94-1	3,3'-Dichlorobenzidine	610,000	U
56-55-3	Benzo(a)anthracene	610,000	U
218-01-9	Chrysene	610,000	U
117-81-7	bis(2-Ethylhexyl)phthalate	610,000	U
117-84-0	Di-n-octylphthalate	610,000	U
205-99-2	Benzo(b)fluoranthene	610,000	U
207-08-9	Benzo(k)fluoranthene	610,000	U
50-32-8	Benzo(a)pyrene	610,000	U
193-39-5	Indeno(1,2,3-cd)pyrene	610,000	U
53-70-3	Dibenzo(a,h)anthracene	610,000	U
191-24-2	Benzo(g,h,i)perylene	610,000	U

U = UNDETECTED
B = PRESENT IN BLANK
J = DETECTED, BUT BELOW PRACTICAL QUANTITATION LIMIT

DATE COLLECTED : 6/01/95 0910
DATE RECEIVED : 6/02/95 5:37
DATE EXTRACTED : 6/08/95
DATE ANALYZED : 6/10 & 12/95
ANALYST : D.C.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE ONE**

SAMPLE ID: OP-1-BROWN
LAB ID: 9506/047-007

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	600,000 µg/kg	U µg/kg
108-95-2	Phenol	600,000	U
111-44-4	bis(2-chloroethyl)Ether	600,000	U
95-57-8	2-Chlorophenol	600,000	U
541-73-1	1,3-Dichlorobenzene	600,000	U
106-46-7	1,4-Dichlorobenzene	600,000	U
100-51-6	Benzyl Alcohol	600,000	U
95-50-1	1,2-Dichlorobenzene	600,000	U
95-48-7	o-Cresol	600,000	U
39638-32-9	bis-(2-Chloro2propyl)Ether	600,000	U
106-44-5	m & p-Cresol	600,000	U
621-64-7	N-Nitroso-Di-n-propylamine	600,000	U
67-72-1	Hexachloroethane	600,000	U
98-95-3	Nitrobenzene	600,000	U
78-59-1	Isophorone	600,000	U
88-75-5	2-Nitrophenol	600,000	U
105-67-9	2,4-Dimethylphenol	600,000	U
65-85-0	Benzoic Acid	3,000,000	U
111-91-1	bis(2-Chloroethoxy)methane	600,000	U
120-83-2	2,4-Dichlorophenol	600,000	U
120-82-1	1,2,4-Trichlorobenzene	600,000	U
91-20-3	Naphthalene	600,000	2,400,000
106-47-8	4-Chloroaniline	600,000	U
87-68-3	Hexachlorobutadiene	600,000	U
59-50-7	4-Chloro-3-methylphenol	600,000	U
91-57-6	2-Methylnaphthalene	600,000	U
77-47-4	Hexachlorocyclopentadiene	600,000	U
88-06-2	2,4,6-Trichlorophenol	600,000	U
95-95-4	2,4,5-Trichlorophenol	600,000	U
91-58-7	2-Chloronaphthalene	600,000	U
88-74-4	2-Nitroaniline	3,000,000	U
131-11-3	Dimethylphthalate	600,000	U
103-33-3	Azobenzene	600,000	U
208-96-8	Acenaphthylene	600,000	U
606-20-2	2,6-Dinitrotoluene	600,000	U
99-09-2	3-Nitroaniline	3,000,000	U
83-32-9	Acenaphthene	600,000	U
51-28-5	2,4-Dinitrophenol	3,000,000	U

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE TWO**

SAMPLE ID: OP-1-BROWN
LAB ID: 9506/047-007

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	3,000,000 µg/kg	U µg/kg
132-64-9	Dibenzofuran	600,000	U
121-14-2	2,4-Dinitrotoluene	600,000	U
84-66-2	Diethylphthalate	600,000	U
7005-72-3	4-Chlorophenol phenyl ether	600,000	U
86-73-7	Fluorene	600,000	U
100-01-6	4-Nitroaniline	3,000,000	U
534-52-1	4,6-Dinitro-2-methylphenol	3,000,000	U
86-30-6	N-Nitrosodiphenylamine	600,000	U
101-55-3	4-Bromophenyl phenyl ether	600,000	U
118-74-1	Hexachlorobenzene	600,000	U
87-86-5	Pentachlorophenol	3,000,000	U
85-01-8	Phenanthrene	600,000	U
120-12-7	Anthracene	600,000	U
84-74-2	Carbazole	600,000	U
84-74-2	Di-n-butylphthalate	600,000	U
206-44-0	Fluoranthene	600,000	U
92-87-4	Benzidine	600,000	U
129-00-0	Pyrene	600,000	U
85-68-7	Butylbenzylphthalate	600,000	U
91-94-1	3,3'-Dichlorobenzidine	600,000	U
56-55-3	Benzo(a)anthracene	600,000	U
218-01-9	Chrysene	600,000	U
117-81-7	bis(2-Ethylhexyl)phthalate	600,000	U
117-84-0	Di-n-octylphthalate	600,000	U
205-99-2	Benzo(b)fluoranthene	600,000	U
207-08-9	Benzo(k)fluoranthene	600,000	U
50-32-8	Benzo(a)pyrene	600,000	U
193-39-5	Indeno(1,2,3-cd)pyrene	600,000	U
53-70-3	Dibenzo(a,h)anthracene	600,000	U
191-24-2	Benzo(g,h,i)perylene	600,000	U

U = UNDETECTED
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DATE COLLECTED : 6/01/95 0910
DATE RECEIVED : 6/02/95 5:37
DATE EXTRACTED : 6/08/95
DATE ANALYZED : 6/10/95
ANALYST : D.C.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-02 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE ONE**

SAMPLE ID: OP-1-D
LAB ID: 9506/047-008

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	540 µg/l	U µg/l
108-95-2	Phenol	5,400	150,000
111-44-4	bis(2-chloroethyl)Ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl Alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
95-48-7	o-Cresol	540	U
39638-32-9	bis-(2-Chloro2propyl)Ether	540	U
106-44-5	m & p-Cresol	540	U
621-64-7	N-Nitroso-Di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	5,400	17,000
65-85-0	Benzoic Acid	140,000	230,000
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	5,400	31,000
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	770
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	600
95-95-4	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	2,700	U
131-11-3	Dimethylphthalate	540	U
103-33-3	Azobenzene	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	2,700	U
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	2,700	U

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168-C2 **METHOD SW-846 8270**
SAUGET - SITE G **PAGE TWO**

SAMPLE ID: OP-1-D
LAB ID: 9506/047-008

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	2,700 µg/l	U µg/l
132-64-9	Dibenzofuran	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
7005-72-3	4-Chlorophenol phenyl ether	540	U
86-73-7	Fluorene	540	U
100-01-6	4-Nitroaniline	2,700	U
534-52-1	4,6-Dinitro-2-methylphenol	2,700	U
86-30-6	N-Nitrosodiphenylamine	540	U
101-55-3	4-Bromophenyl phenyl ether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	2,700	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Carbazole	540	U
84-74-2	Di-n-butylphthalate	540	U
206-44-0	Fluoranthene	540	U
92-87-4	Benzidine	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	540	U
117-81-7	bis(2-Ethylhexyl)phthalate	540	U
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
50-32-8	Benzo(a)pyrene	540	U
193-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(g,h,i)perylene	540	U

U = UNDETECTED
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DATE COLLECTED : 6/01/95 0910
DATE RECEIVED : 6/02/95 5:37
DATE EXTRACTED : 6/08/95
DATE ANALYZED : 6/10 & 12 & 13/95
ANALYST : D.C.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

ANALYSIS REPORT

PCBs IN WATER

METHOD EPA 608

LAB NO.	IDENTIFICATION	TOTAL ppb	TYPE
9506/047-008	OP-1-D	115	1260
BLANK	PCB3519	<1	--

DATE COLLECTED : 6/01/95 0910
DATE RECEIVED : 6/02/95 5:37
DATE ANALYZED : 6/9-10/95
ANALYST : C.D.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 32362
PROJECT # 8168-02, SAUGET - SITE G

ANALYSIS RESULTS

PCBs IN OIL

METHOD ASTM 4059-91

LAB NO.	SAMPLE NO.	IDENTIFICATION	TOTAL ppm	TYPE
9506/047-003		OP-1-OIL	14	1248/1254
BLANK		PCB3518	<2	--

All Values are ± 10%

DATE COLLECTED : 6/01/95 0900
DATE RECEIVED : 6/02/95 5:37
DATE ANALYZED : 6/9-10/95
ANALYST : C.D.

JUNE 15, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

ENVIRONMETRICS
2345 Millpark Drive
Maryland Heights, MO 63043-3529
(314) 427-0550

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: KEN BRAIG

INVOICE # 31582
PROJECT # 8168 - SAUGET, SITE G

ANALYSIS RESULTS

SAMPLE ID: B-1 BLUE-MATERIAL TAG #093229
LAB ID: 9504/135-001
DATE COLLECTED: 4/5/95 10:00
DATE RECEIVED: 4/10/95 15:56

TEST PERFORMED	METHOD OF ANALYSIS	RESULTS		ANALYST
METALS ANALYSIS	SW-846 6010	TOTAL		
ARSENIC		<12.2	mg/kg	4/15/95 R.D.
BARIUM		84.3		
CADMIUM		1.16		
CHROMIUM		10.7		
COPPER		11.2		
LEAD		<6.11		
NICKEL		16.4		
SELENIUM		<12.2		
SILVER		<0.611		
ZINC		34.6		
MERCURY	SW-846 7471	<0.12		4/14/95 D.S.

APRIL 24, 1995

WAYNE L. COOPER PhD
LABORATORY DIRECTOR