160284

ENVIRONMETRICS

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

RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

ANALYSIS RESULTS

SAMPLE ID: GW-32
LAB ID: 9504/191-001
DATE COLLECTED: 4/12/95 13:00
DATE RECEIVED: 4/13/95 8:36

TEST PERFORMED	METHOD OF ANALYSIS	RESULTS	ANALYST
METALS ANALYSIS	SW-846 6010	TOTAL	
ARSENIC		<0.200 mg/l	4/18/95 R.D.
BARIUM		0.106	
CADMIUM		0.005	
CHROMIUM		<0.010	
COPPER		<0.025	
LEAD		<0.100	
NICKEL		<0.040	
SELENIUM		<0.200	
SILVER		<0.010	
ZINC		0.083	
MERCURY	SW-846 7470	<0.0002	4/14/95 D.S.

APRIL 21, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

QUALITY ASSURANCE QUALITY CONTROL REPORT

MATRIX SPIKE
ICP/AA WATER

SAMPLE ID: GW-32
LAB ID: 9504/191-001
DATE COLLECTED: 4/12/95 13:00
DATE RECEIVED: 4/13/95 8:36

ELEMENT	SAMPLE RESULT (mg/l)	SPIKE LEVEL (mg/l)	SPIKE RESULT (mg/l)	% REC.
ARSENIC	<0.200	4.000	3.80	95
BARIUM	0.106	4.000	3.93	96
CADMIUM	0.005	0.100	0.095	90
CHROMIUM	<0.010	0.400	0.363	91
COPPER	<0.025	0.500	0.499	100
LEAD	<0.100	1.000	0.986	99
MERCURY	<0.0002	0.0020	0.0020	100
NICKEL	<0.040	1.000	0.904	90
SELENIUM	<0.200	4.000	3.59	90
SILVER	<0.010	0.100	0.096	96
ZINC	0.083	1.000	1.01	93

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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

ANALYSIS RESULTS

SAMPLE ID: GW-33
LAB ID: 9504/191-002
DATE COLLECTED: 4/12/95 13:30
DATE RECEIVED: 4/13/95 8:36

TEST PERFORMED	METHOD OF ANALYSIS	RESULTS	ANALYST
METALS ANALYSIS	SW-846 6010	TOTAL	
ARSENIC		<0.200 mg/l	4/18/95 R.D.
BARIUM		0.210	
CADMIUM		0.011	
CHROMIUM		<0.010	
COPPER		<0.025	
LEAD		<0.100	
NICKEL		<0.040	
SELENIUM		<0.200	
SILVER		<0.010	
ZINC		0.104	
MERCURY	SW-846 7470	<0.0002	4/14/95 D.S.

APRIL 21, 1995

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BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

ANALYSIS RESULTS

SAMPLE ID: GB-1
LAB ID: 9504/191-003
DATE COLLECTED: 4/12/95 14:00
DATE RECEIVED: 4/13/95 8:36

TEST PERFORMED	METHOD OF ANALYSIS	RESULTS	ANALYST
METALS ANALYSIS	SW-846 6010	TOTAL	
ARSENIC		<0.200 mg/l	4/18/95 R.D.
BARIUM		<0.040	
CADMIUM		<0.005	
CHROMIUM		<0.010	
COPPER		<0.025	
LEAD		<0.100	
NICKEL		<0.040	
SELENIUM		<0.200	
SILVER		<0.010	
ZINC		<0.020	
MERCURY	SW-846 7470	<0.0002	4/14/95 D.S.

APRIL 21, 1995

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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

VOLATILE ORGANIC ANALYSIS
METHOD SW-846 8240

SAMPLE ID: GW-32
LAB ID: 9504/191-001

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
74-87-3	Chloromethane	10 µg/l	U µg/l
74-83-9	Bromomethane	10	U
85-01-4	Vinyl Chloride	10	44
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5.0	U
67-64-1	Acetone	100	U
107-02-8	Acrolein	100	U
75-15-0	Carbon Disulfide	100	U
107-13-1	Acrylonitrile	100	U
75-69-04	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	5.2
540-59-0	1,2-Dichloroethene (Total)	5.0	25
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	22
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	7.5
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	250	650
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-88-3	Toluene	5.0	12
108-90-7	Chlorobenzene	250	3,200
100-41-4	Ethylbenzene	5.0	120
100-42-5	Styrene	5.0	U
1330-20-7	Xylene (Total)	5.0	12.4

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

DATE COLLECTED : 4/12/95 13:00
DATE RECEIVED : 4/13/95 8:36
DATE ANALYZED : 4/17/95
ANALYST : L.C.

APRIL 21, 1995

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

ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

VOLATILE ORGANIC ANALYSIS
METHOD SW-846 8240

SAMPLE ID: GW-33
LAB ID: 9504/191-002

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
74-87-3	Chloromethane	10 µg/l	U µg/l
74-83-9	Bromomethane	10	U
85-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5.0	U
67-64-1	Acetone	100	U
107-02-8	Acrolein	100	U
75-15-0	Carbon Disulfide	100	U
107-13-1	Acrylonitrile	100	U
75-69-04	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (Total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	43
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	25	260
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylene (Total)	5.0	U

U = UNDETECTED
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APRIL 21, 1995

DATE COLLECTED : 4/12/95 13:30
DATE RECEIVED : 4/13/95 8:36
DATE ANALYZED : 4/17/95
ANALYST : L.C.

W L Cooper FWS
WAYNE L. COOPER
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RIEDEL ENVIRONMENTAL SERVICES
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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

VOLATILE ORGANIC ANALYSIS
METHOD SW-846 8240

SAMPLE ID: GB-1
LAB ID: 9504/191-003

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
74-87-3	Chloromethane	10 µg/l	U µg/l
74-83-9	Bromomethane	10	U
85-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5.0	U
67-64-1	Acetone	100	U
107-02-8	Acrolein	100	U
75-15-0	Carbon Disulfide	100	U
107-13-1	Acrylonitrile	100	U
75-69-04	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (Total)	5.0	U
67-66-3	Chloroform	5.0	16
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	5.0	9.9
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylene (Total)	5.0	U

U = UNDETECTED
B = PRESENT IN BLANK
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DATE COLLECTED : 4/12/95 14:00
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ANALYST : L.C.

APRIL 21, 1995

WAYNE L. COOPER PhD
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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

WATER VOLATILE MATRIX SPIKE

SAMPLE ID: GW-32
LAB ID: 9504/191-001

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONC. (µg/l)	MS CONC. (µg/l)	MS % REC	#	QC LIMITS REC.
1,1-Dichloroethene	50	U	63	126		61-145
Trichloroethene	50	7.5	59	104		71-120
Benzene	2,500	650	3,300	106		75-130
Toluene	50	12	64	104		76-125
Chlorobenzene	2,500	3,200	5,200	82		76-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

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INVOICE # 31579 SEMIVOLATILE ORGANIC COMPOUNDS
PROJECT # 8168 - SAUGET, METHOD SW-846 8270
SITE G PAGE ONE

SAMPLE ID: GW-32
LAB ID: 9504/191-001

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	11 µg/l	U µg/l
108-95-2	Phenol	11	U
111-44-4	bis(2-chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	48
100-51-6	Benzyl Alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	11
95-48-7	o-Cresol	11	U
39638-32-9	bis-(2-Chloro2propyl)Ether	11	U
106-44-5	m & p-Cresol	11	U
621-64-7	N-Nitroso-Di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	55	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethylphthalate	11	U
103-33-3	Azobenzene	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	55	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	55	U

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INVOICE # 31579 SEMIVOLATILE ORGANIC COMPOUNDS
PROJECT # 8168 - SAUGET, METHOD SW-846 8270
SITE G PAGE TWO

SAMPLE ID: GW-32
LAB ID: 9504/191-001

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	55 µg/l	U µg/l
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenol phenyl ether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	55	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl phenyl ether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	55	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
92-87-4	Benzidine	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

U = UNDETECTED
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APRIL 21, 1995

DATE COLLECTED : 4/12/95 13:00
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DATE EXTRACTED : 4/13/95
DATE ANALYZED : 4/18/95
ANALYST : D.C.

WAYNE D. COOPER
LABORATORY DIRECTOR

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ATTN: MARK DOUGLAS

INVOICE # 31579 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168 - SAUGET, **METHOD SW-846 8270**
SITE G **PAGE ONE**

SAMPLE ID: GW-33
LAB ID: 9504/191-002

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	11 µg/l	U µg/l
108-95-2	Phenol	11	U
111-44-4	bis(2-chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	110	640
100-51-6	Benzyl Alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	o-Cresol	11	U
39638-32-9	bis-(2-Chloro2propyl)Ether	11	U
106-44-5	m & p-Cresol	11	U
621-64-7	N-Nitroso-Di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	55	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	110	730
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethylphthalate	11	U
103-33-3	Azobenzene	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	55	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	55	U

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ATTN: MARK DOUGLAS

INVOICE # 31579 SEMIVOLATILE ORGANIC COMPOUNDS
PROJECT # 8168 - SAUGET, METHOD SW-846 8270
SITE G PAGE TWO

SAMPLE ID: GW-33
LAB ID: 9504/191-002

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
100-02-7	4-Nitrophenol	55 µg/l	U µg/l
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenol phenyl ether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	55	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl phenyl ether	11	U
118-74-1	Hexachlorobenzene	11	14
87-86-5	Pentachlorophenol	55	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
92-87-4	Benzidine	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

U = UNDETECTED
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ANALYST : D.C.

APRIL 21, 1995

WAYNE L. COOPER
LABORATORY DIRECTOR

ENVIRONMETRICS
2345 Millpark Drive
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RIEDEL ENVIRONMENTAL SERVICES
500 EASTERN AVENUE
BENSONVILLE, IL 60106

ATTN: MARK DOUGLAS

INVOICE # 31579 SEMIVOLATILE ORGANIC COMPOUNDS
PROJECT # 8168 - SAUGET, METHOD SW-846 8270
SITE G PAGE ONE

SAMPLE ID: GB-1
LAB ID: 9504/191-003

CAS NUMBER		PRACTICAL QUANTITATION LIMIT	RESULTS
62-75-9	N-Nitrosodimethylamine	14 µg/l	U µg/l
108-95-2	Phenol	14	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	14	U
95-50-1	1,2-Dichlorobenzene	14	U
95-48-7	o-Cresol	14	U
39638-32-9	bis-(2-Chloro2propyl)Ether	14	U
106-44-5	m & p-Cresol	14	U
621-64-7	N-Nitroso-Di-n-propylamine	14	U
67-72-1	Hexachloroethane	14	U
98-95-3	Nitrobenzene	14	U
78-59-1	Isophorone	14	U
88-75-5	2-Nitrophenol	14	U
105-67-9	2,4-Dimethylphenol	14	U
65-85-0	Benzoic Acid	70	U
111-91-1	bis(2-Chloroethoxy)methane	14	U
120-83-2	2,4-Dichlorophenol	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U
91-20-3	Naphthalene	14	U
106-47-8	4-Chloroaniline	14	U
87-68-3	Hexachlorobutadiene	14	U
59-50-7	4-Chloro-3-methylphenol	14	U
91-57-6	2-Methylnaphthalene	14	U
77-47-4	Hexachlorocyclopentadiene	14	U
88-06-2	2,4,6-Trichlorophenol	14	U
95-95-4	2,4,5-Trichlorophenol	14	U
91-58-7	2-Chloronaphthalene	14	U
88-74-4	2-Nitroaniline	70	U
131-11-3	Dimethylphthalate	14	U
103-33-3	Azobenzene	14	U
208-96-8	Acenaphthylene	14	U
606-20-2	2,6-Dinitrotoluene	14	U
99-09-2	3-Nitroaniline	70	U
83-32-9	Acenaphthene	14	U
51-28-5	2,4-Dinitrophenol	70	U

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ATTN: MARK DOUGLAS

INVOICE # 31579 **SEMIVOLATILE ORGANIC COMPOUNDS**
PROJECT # 8168 - SAUGET, **METHOD SW-846 8270**
SITE G **PAGE TWO**

SAMPLE ID: GB-1
LAB ID: 9504/191-003

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

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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GW-32
LAB ID: 9504/191-001

CAS#	PARAMETER	PRACTICAL QUANTITATION LIMIT	RESULTS
319-84-6	α-BHC	0.16 μg/l	U μg/l
58-89-9	γ-BHC (Lindane)	0.22	0.98
76-44-8	Heptachlor	0.16	U
309-00-2	Aldrin	0.22	U
319-85-7	ß-BHC	0.33	U
319-86-8	δ-BHC	0.49	U
1024-57-3	Heptachlor epoxide	0.11	U
959-98-8	Endosulfan I	0.77	U
57-74-9	g-Chlordane	0.22	U
57-74-9	a-Chlordane	0.22	U
72-55-9	4,4'-DDE	0.22	U
60-57-1	Dieldrin	0.11	U
72-20-8	Endrin	0.33	U
72-54-8	4,4'-DDD	0.60	U
33213-65-9	Endosulfan II	0.22	U
50-29-3	4,4'-DDT	0.66	U
7421-93-4	Endrin aldehyde	0.66	U
1031-07-8	Endosulfan Sulfate	0.66	U
72-43-5	Methoxychlor	1.10	U
53494-70-5	Endrin Ketone	0.55	U
12789-03-6	Chlordane	5.49	U
8001-35-2	Toxaphene	27.47	U
12674-11-2	PCB-1016	5.49	U
1104-28-2	PCB-1221	10.99	U
11141-16-5	PCB-1232	5.49	U
53469-21-9	PCB-1242	5.49	U
12672-29-6	PCB-1248	5.49	U
11097-69-1	PCB-1254	5.49	U
11096-82-5	PCB 1260	5.49	U

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ATTN: MARK DOUGLAS

INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GW-32
LAB ID: 9504/191-001

SURROGATES	ADDED µg/l	CONC. DB-608	PERCENT RECOVERY
TCMX	0.54	0.18	34
DCB	0.55	0.29	53

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INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GW-33
LAB ID: 9504/191-002

CAS#	PARAMETER	PRACTICAL QUANTITATION LIMIT	RESULTS
319-84-6	α-BHC	3.24 μg/l	27.80 μg/l
58-89-9	τ-BHC (Lindane)	4.32	U
76-44-8	Heptachlor	3.24	U
309-00-2	Aldrin	4.32	U
319-85-7	ß-BHC	6.49	U
319-86-8	δ-BHC	9.73	U
1024-57-3	Heptachlor epoxide	2.16	U
959-98-8	Endosulfan I	15.14	U
57-74-9	g-Chlordane	4.32	U
57-74-9	a-Chlordane	4.32	U
72-55-9	4,4'-DDE	4.32	U
60-57-1	Dieldrin	2.16	U
72-20-8	Endrin	6.49	U
72-54-8	4,4'-DDD	11.89	U
33213-65-9	Endosulfan II	4.32	U
50-29-3	4,4'-DDT	12.97	U
7421-93-4	Endrin aldehyde	12.97	U
1031-07-8	Endosulfan Sulfate	12.97	U
72-43-5	Methoxychlor	21.62	U
53494-70-5	Endrin Ketone	10.81	U
12789-03-6	Chlordane	108.11	U
8001-35-2	Toxaphene	540.54	U
12674-11-2	PCB-1016	108.11	U
1104-28-2	PCB-1221	216.22	U
11141-16-5	PCB-1232	108.11	U
53469-21-9	PCB-1242	108.11	U
12672-29-6	PCB-1248	108.11	U
11097-69-1	PCB-1254	108.11	U
11096-82-5	PCB 1260	108.11	U

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INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GW-33
LAB ID: 9504/191-002

SURROGATES	ADDED µg/l	CONC. DB-608	PERCENT RECOVERY
TCMX	0.53	NA	SURROGATES
DCB	0.54	NA	DILUTED OUT

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INVOICE # 31579
PROJECT # 8168 - SAUGET, SITE G

PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GB-1
LAB ID: 9504/191-003

CAS#	PARAMETER	PRACTICAL QUANTITATION LIMIT	RESULTS
319-84-6	α-BHC	0.04 μg/l	U μg/l
58-89-9	γ-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.04	U
309-00-2	Aldrin	0.05	U
319-85-7	ß-BHC	0.08	U
319-86-8	δ-BHC	0.12	U
1024-57-3	Heptachlor epoxide	0.03	U
959-98-8	Endosulfan I	0.18	U
57-74-9	g-Chlordane	0.05	U
57-74-9	a-Chlordane	0.05	U
72-55-9	4,4'-DDE	0.05	U
60-57-1	Dieldrin	0.03	U
72-20-8	Endrin	0.08	U
72-54-8	4,4'-DDD	0.14	U
33213-65-9	Endosulfan II	0.05	U
50-29-3	4,4'-DDT	0.16	U
7421-93-4	Endrin aldehyde	0.16	U
1031-07-8	Endosulfan Sulfate	0.16	U
72-43-5	Methoxychlor	0.26	U
53494-70-5	Endrin Ketone	0.13	U
12789-03-6	Chlordane	1.31	U
8001-35-2	Toxaphene	6.54	U
12674-11-2	PCB-1016	1.31	U
1104-28-2	PCB-1221	2.61	U
11141-16-5	PCB-1232	1.31	U
53469-21-9	PCB-1242	1.31	U
12672-29-6	PCB-1248	1.31	U
11097-69-1	PCB-1254	1.31	U
11096-82-5	PCB 1260	1.31	U

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PESTICIDES & PCB ANALYSIS
METHOD SW-846 8080

SAMPLE ID: GB-1
LAB ID: 9504/191-003

SURROGATES	ADDED µg/l	CONC. DB-608	PERCENT RECOVERY
TCMX	0.64	0.29	45
DCB	0.65	0.72	110