

MAIROLL, INC.

1-52-004

**OLD RECHARGE BASIN
EAST FARMINGDALE, NEW YORK**

BOTTOM SEDIMENT INVESTIGATION REPORT

August 2002

Part B

**MAC CONSULTANTS, INC.
222 Middle Country Road, Suite 209
Smythtown, New York 11787
tel 631-265-7700
fax 631-265-9073**

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 8, 2002

Laboratory Project: P3097

Analytical parameters: Volatile Organics by method 8260- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-6 0'-4'	BS-10 0'-4'
	BS-6 4'-8'	BS-10 4'-8'
	BS-6 8'-12'	BS-10 8'-12'
	BS-7 0'-4'	BS-11 0'-4'
	BS-7 4'-8'	BS-11 4'-8'
	BS-7 8'-12'	BS-11 8'-12'
	BS-8 0'-4'	BS-12 0'-4'
	BS-8 4'-8'	BS-12 4'-8'
	BS-8 8'-12'	BS-12 8'-12'
	BS-9 0'-4'	BS-12 8'-12' DUP
	BS-9 4'-8'	BS-12 8'-12' MS
	BS-9 8'-12'	BS-12 8'-12' MSD

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8260, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 9, 2002

Laboratory Project: P3097

Analytical parameters: Semi-Volatile Organics by method 8270- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-6 0'-4'	BS-10 0'-4'
	BS-6 4'-8'	BS-10 4'-8'
	BS-6 8'-12'	BS-10 8'-12'
	BS-7 0'-4'	BS-11 0'-4'
	BS-7 4'-8'	BS-11 4'-8'
	BS-7 8'-12'	BS-11 8'-12'
	BS-8 0'-4'	BS-12 0'-4'
	BS-8 4'-8'	BS-12 4'-8'
	BS-8 8'-12'	BS-12 8'-12'
	BS-9 0'-4'	BS-12 8'-12' DUP
	BS-9 4'-8'	BS-12 8'-12' MS
	BS-9 8'-12'	BS-12 8'-12' MSD

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8270, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

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Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	☒ Yes	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	Yes	☒ No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	☒ No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	☒ Yes	No	NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

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Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

COMMENTS:

The following samples were diluted before analysis

BS-7 4'-8'	BS-11 4'-8'
BS-11 8'-12'	BS-12 0'-4'

The following samples were diluted due to high concentrations of target compounds in the sample. The compounds are flagged with an "E" qualifier on the forms.

BS-6 4'-8'	BS-7 0'-4'
BS-7 4'-8'	BS-8 4'-8'
BS-10 4'-8'	BS-11 4'-8'
BS-11 8'-12'	

The following samples were rerun due to the internal standard not meeting QC requirements.

BS-6 0'-4'	BS-6 8'-12'
BS-7 8'-12'	BS-8 0'-4'
BS-8 8'-12'	BS-9 0'-4'
BS-9 4'-8'	BS-9 8'-12'
BS-10 0'-4'	BS-10 8'-12'
BS-11 0'-4'	BS-12 0'-4'
BS-12 4'-8'	BS-12 8'-12'
BS-12 8'-12' DUP	

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Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

The surrogate recoveries for the following samples were not within QC acceptance limits due to matrix interference.

BS-6 0'-4'	BS-6 4'-8'
BS-6 8'-12'	BS-7 0'-4'
BS-7 8'-12'	BS-8 0'-4'
BS-8 4'-8'	BS-8 8'-12'
BS-8 8'-12'RE	BS-9 0'-4'
BS-9 0'-4'	BS-9 0'-4'RE
BS-9 4'-8'	BS-9 8'-12'
BS-10 0'-4'	BS-10 4'-8'
BS-10 8'-12'RE	BS-11 0'-4'
BS-11 4'-8'	BS-11 4'-8'DL
BS-11 8'-12'	BS-11 8'-12'DL
BS-12 0'-4'	BS-12 4'-8'
BS-12 8'-12'	BS-12 8'-12'DUP
BS-12 8'-12'DUPRE	BS-12 8'-12'MS
BS-7 8'-12'RE	BS-8 0'-4'RE
BS-9 8'-12'RE	BS-11 0'-4'RE

Only one fraction is out. All data is usable.

The recoveries in the MS and MSD for the following compounds did not meet QC requirements due to matrix interference in the sample.

2,2'-oxybis(1-chloropropane)	Hexachloroethane
4-Chloroaniline	Hexachlorocyclopentadiene
4,6-Dinitro-2-methylphenol	N-Nitrosodiphenylamine
2,4-Dinitrophenol	Phenanthrene
Anthracene	Fluoranthene
Pyrene	Butylbenzylphthalate

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Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

Benzo(a)anthracene	3,3'-Dichlorobenzidine
Chrysene	bis(2-ethylhexyl)phthalate
Di-n-octyl phthalate	Indeno(1,2,3-cd)pyrene
Benzo(b)fluoranthene	Benzo(k)fluoranthene
Benzo(a)pyrene	

The RPDs for the following compounds did not meet QC criteria.

1,2-Dichlorobenzene	2,2'-oxybis(1-chloropropane)
Hexachloroethane	3+4-Methylphenols
Isophorone	Hexachlorocyclopentadiene
2-Nitroaniline	2,6-Dinitrotoluene
4,6-Dinitro-2-methylphenol	N-Nitrosodiphenylamine
2,4-Dinitrophenol	4-Chlorophenyl-phenylether
	Phenanthrene
Anthracene	Fluoranthene
Pyrene	Butylbenzylphthalate
Benzo(a)anthracene	Dibenz(a,h)anthracene
Chrysene	bis(2-ethylhexyl)phthalate
Di-n-octyl phthalate	Indeno(1,2,3-cd)pyrene
Benzo(b)fluoranthene	Benzo(k)fluoranthene
Benzo(a)pyrene	4-Bromophenyl-phenylether
Carbazole	Di-n-butylphthalate
Benzo(g,h,i)perylene	

The compounds are flagged with "J", "UJ" and "R" qualifiers.

All other QC met requirements. Data usability is acceptable.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01

Client ID: BS-60-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002203.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
Methylphenol	< 33	U	330	33	ug/Kg
-oxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 75	U	330	75	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 120	U	330	120	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	820	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
2-Nitroaniline	< 33	U	820	33	ug/Kg
Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01

Client ID: BS-60-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002203.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	820	39	ug/Kg
Acenaphthene	< 39	U	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	820	66	ug/Kg
4-Nitrophenol	< 36	U	820	36	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	< 36	U	330	36	ug/Kg
4-Nitroaniline	< 79	U	820	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	820	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 62	U	820	62	ug/Kg
Phenanthrene	370		330	33	ug/Kg
Anthracene	74	J	330	43	ug/Kg
Carbazole	39	J	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	340		330	33	ug/Kg
Pyrene	500		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	210	J	330	33	ug/Kg
Chrysene	120	J	330	52	ug/Kg
bis(2-Ethylhexyl)phthalate	74	JB	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	430		330	33	ug/Kg
Benzo(k)fluoranthene	230	J	330	85	ug/Kg
Benzo(a)pyrene	120	J	330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 52	U	330	52	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01

Client ID: BS-60-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002203.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 49	U	330	49	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	126.48	42 %	25 - 121		SPK: 300
Phenol-d5	153.99	51 %	24 - 113		SPK: 300
Nitrobenzene-d5	109.09	55 %	23 - 120		SPK: 200
luorobiphenyl	122.61	61 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	82.29	27 %	19 - 122		SPK: 300
Terphenyl-d14	527.55	264 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	124052	4.55			
Naphthalene-d8	490019	7.00			
Acenaphthene-d10	244995	10.81			
Phenanthrene-d10	430668	14.14			
Chrysene-d12	198027	20.19			
Perylene-d12	45525	23.23			
TENTITIVE IDENTIFIED COMPOUNDS					
ACP	9500	A	2.54		ug/Kg
ACP	360	A	3.29		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01RE

Client ID: BS-60-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001771.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
4-Ethylphenol	< 33	U	330	33	ug/Kg
2,2'-oxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 75	U	330	75	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 120	U	330	120	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	820	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 33	U	820	33	ug/Kg
1-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01RE

Client ID: BS-60-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001771.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	820	39	ug/Kg
Acenaphthene	59	J	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	820	66	ug/Kg
4-Nitrophenol	< 36	U	820	36	ug/Kg
Dibenzofuran	40	J	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	63	J	330	36	ug/Kg
4-Nitroaniline	< 79	U	820	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	820	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 62	U	820	62	ug/Kg
Phenanthrene	480		330	33	ug/Kg
Anthracene	130	J	330	43	ug/Kg
Carbazole	70	J	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	570		330	33	ug/Kg
Pyrene	700		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	290	J	330	33	ug/Kg
Chrysene	300	J	330	52	ug/Kg
bis(2-Ethylhexyl)phthalate	180	JB	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	280	J	330	33	ug/Kg
Benzo(k)fluoranthene	310	J	330	85	ug/Kg
Benzo(a)pyrene	270	J	330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 52	U	330	52	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01RE

Client ID: BS-60-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001771.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 2

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 49	U V J	330	49	ug/Kg
Benzo(g,h,i)perylene	81	J J	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	84.32	28 %	25 - 121		SPK: 300
Phenol-d5	109.15	36 %	24 - 113		SPK: 300
Nitrobenzene-d5	89.03	45 %	23 - 120		SPK: 200
Fluorobiphenyl	97.94	49 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	71.25	24 %	19 - 122		SPK: 300
Terphenyl-d14	144.69	72 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	89173	8.18			
Naphthalene-d8	280768	10.42			
Acenaphthene-d10	164861	13.70			
Phenanthrene-d10	260995	16.52			
Chrysene-d12	154851	21.59			
Perylene-d12	75241	25.52			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02

Client ID: BS-64-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002195.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 37	U	370	37	ug/Kg
bis(2-Chloroethyl)ether	< 44	U	370	44	ug/Kg
2-Chlorophenol	< 41	U	370	41	ug/Kg
1,2-Dichlorobenzene	< 37	U	370	37	ug/Kg
1,3-Dichlorobenzene	< 44	U	370	44	ug/Kg
1,4-Dichlorobenzene	< 37	U	370	37	ug/Kg
4-ethylphenol	< 37	U	370	37	ug/Kg
1,2-dichloro-2-oxybis(1-chloropropane)	< 37	U	370	37	ug/Kg
3+4-Methylphenols	< 66	U	370	66	ug/Kg
N-Nitroso-di-n-propylamine	< 37	U	370	37	ug/Kg
Hexachloroethane	< 41	U	370	41	ug/Kg
Nitrobenzene	< 37	U	370	37	ug/Kg
Isophorone	< 37	U	370	37	ug/Kg
2-Nitrophenol	< 41	U	370	41	ug/Kg
2,4-Dimethylphenol	< 85	U	370	85	ug/Kg
bis(2-Chloroethoxy)methane	< 37	U	370	37	ug/Kg
2,4-Dichlorophenol	< 48	U	370	48	ug/Kg
1,2,4-Trichlorobenzene	< 44	U	370	44	ug/Kg
Naphthalene	< 44	U	370	44	ug/Kg
4-Chloroaniline	< 44	U	370	44	ug/Kg
Hexachlorobutadiene	< 55	U	370	55	ug/Kg
4-Chloro-3-methylphenol	< 41	U	370	41	ug/Kg
2-Methylnaphthalene	< 44	U	370	44	ug/Kg
Hexachlorocyclopentadiene	< 140	U	370	140	ug/Kg
2,4,6-Trichlorophenol	< 37	U	370	37	ug/Kg
2,4,5-Trichlorophenol	< 37	U	930	37	ug/Kg
2-Chloronaphthalene	< 44	U	370	44	ug/Kg
4-Nitroaniline	< 37	U	930	37	ug/Kg
1-Methylphthalate	< 37	U	370	37	ug/Kg
Acenaphthylene	< 44	U	370	44	ug/Kg
2,6-Dinitrotoluene	< 37	U	370	37	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02

Client ID: BS-64-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002195.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 44	U	930	44	ug/Kg
Acenaphthene	97	J	370	44	ug/Kg
2,4-Dinitrophenol	< 74	U	930	74	ug/Kg
4-Nitrophenol	< 41	U	930	41	ug/Kg
Dibenzofuran	< 37	U	370	37	ug/Kg
2,4-Dinitrotoluene	< 41	U	370	41	ug/Kg
Diethylphthalate	< 37	U	370	37	ug/Kg
1-Chlorophenyl-phenylether	< 44	U	370	44	ug/Kg
Fluorene	83	J	370	41	ug/Kg
4-Nitroaniline	< 88	U	930	88	ug/Kg
4,6-Dinitro-2-methylphenol	< 44	U	930	44	ug/Kg
N-Nitrosodiphenylamine	< 74	U	370	74	ug/Kg
4-Bromophenyl-phenylether	< 48	U	370	48	ug/Kg
Hexachlorobenzene	< 41	U	370	41	ug/Kg
Pentachlorophenol	< 70	U	930	70	ug/Kg
Phenanthrene	840		370	37	ug/Kg
Anthracene	200	J	370	48	ug/Kg
Carbazole	100	J	370	15	ug/Kg
Di-n-butylphthalate	< 44	U	370	44	ug/Kg
Fluoranthene	1200		370	37	ug/Kg
Pyrene	3900 580	E J	370	37	ug/Kg
Butylbenzylphthalate	< 37	U U J	370	37	ug/Kg
3,3'-Dichlorobenzidine	< 37	U J	370	37	ug/Kg
Benzo(a)anthracene	660	J	370	37	ug/Kg
Chrysene	390	J	370	59	ug/Kg
bis(2-Ethylhexyl)phthalate	40	JB J	370	37	ug/Kg
Di-n-octyl phthalate	< 55	U U J	370	55	ug/Kg
Benzo(b)fluoranthene	1700	J	370	37	ug/Kg
Benzo(k)fluoranthene	1000	J	370	96	ug/Kg
Benzo(a)pyrene	690	J	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U J	370	59	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02

Client ID: BS-64-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002195.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 56	U ↓	370	56	ug/Kg
Benzo(g,h,i)perylene	< 48	U ↓	370	48	ug/Kg
SURROGATES					
2-Fluorophenol	167.35	56 %	25 - 121		SPK: 300
Phenol-d5	162.44	54 %	24 - 113		SPK: 300
robenzene-d5	108.47	54 %	23 - 120		SPK: 200
Fluorobiphenyl	117.51	59 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	192.5	64 %	19 - 122		SPK: 300
Terphenyl-d14	848.39	424 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	127753	4.56
Naphthalene-d8	538843	7.00
Acenaphthene-d10	274607	10.81
Phenanthrene-d10	496047	14.13
Chrysene-d12	120075	20.18
Perylene-d12	5985	23.20

TENTITIVE IDENTIFIED COMPOUNDS

Hexanal	300	J	1.80	ug/Kg
ACP	540	A	2.06	ug/Kg
ACP	8400	A	2.38	ug/Kg
Unknown	300	J	2.85	ug/Kg
ACP	710	A	3.25	ug/Kg
Hexanoic acid	740	J	4.62	ug/Kg
Hexadecanoic acid	500	J	15.86	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02DL

Client ID: BS-64-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001219.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1800	220	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 220	U	1800	220	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
ethylphenol	< 180	U	1800	180	ug/Kg
2,2'-oxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 240	U	1800	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1800	220	ug/Kg
Naphthalene	< 220	U	1800	220	ug/Kg
4-Chloroaniline	< 220	U	1800	220	ug/Kg
Hexachlorobutadiene	< 280	U	1800	280	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 220	U	1800	220	ug/Kg
Hexachlorocyclopentadiene	< 700	U	1800	700	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4600	180	ug/Kg
2-Chloronaphthalene	< 220	U	1800	220	ug/Kg
troaniline	< 180	U	4600	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 220	U	1800	220	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVQC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02DL

Client ID: BS-64-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001219.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 220	U	4600	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
2,4-Dinitrophenol	< 370	U	4600	370	ug/Kg
4-Nitrophenol	< 200	U	4600	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
thylphthalate	< 180	U	1800	180	ug/Kg
Chlorophenyl-phenylether	< 220	U	1800	220	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 440	U	4600	440	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4600	220	ug/Kg
N-Nitrosodiphenylamine	< 370	U	1800	370	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1800	240	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 350	U	4600	350	ug/Kg
Phenanthrene	420	JD	1800	180	ug/Kg
Anthracene	< 240	U	1800	240	ug/Kg
Carbazole	< 75	U	1800	75	ug/Kg
Di-n-butylphthalate	< 220	U	1800	220	ug/Kg
Fluoranthene	510	JD	1800	180	ug/Kg
Pyrene	580	JD	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	460	JD	1800	180	ug/Kg
Chrysene	390	JD	1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 280	U	1800	280	ug/Kg
zo(b)fluoranthene	470	JD	1800	180	ug/Kg
zo(k)fluoranthene	< 480	U	1800	480	ug/Kg
Benzo(a)pyrene	< 280	U	1800	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02DL

Client ID: BS-64-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001219.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
2-Fluorophenol	25.98	43 %	25 - 121		SPK: 300
Phenol-d5	29.15	49 %	24 - 113		SPK: 300
Nitrobenzene-d5	17.66	44 %	23 - 120		SPK: 200
2-Fluorobiphenyl	14.98	37 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	22.29	37 %	19 - 122		SPK: 300
Terphenyl-d14	51.4	129 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	163378	6.73			
Naphthalene-d8	607477	8.42			
Acenaphthene-d10	375824	10.28			
Phenanthrene-d10	582956	11.71			
Chrysene-d12	80431	14.60			
Perylene-d12	15534	17.43			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03

Client ID: BS-68-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002163.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	360	42	ug/Kg
2-Chlorophenol	< 39	U	360	39	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 42	U	360	42	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
1-ethylphenol	< 36	U	360	36	ug/Kg
1,2-dichloro-2-oxybis(1-chloropropane)	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 64	U	360	64	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 39	U	360	39	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 39	U	360	39	ug/Kg
2,4-Dimethylphenol	< 82	U	360	82	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	360	42	ug/Kg
Naphthalene	< 42	U	360	42	ug/Kg
4-Chloroaniline	< 42	U	360	42	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 39	U	360	39	ug/Kg
2-Methylnaphthalene	< 42	U	360	42	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 42	U	360	42	ug/Kg
4-Nitroaniline	< 36	U	900	36	ug/Kg
1-Methylphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 42	U	360	42	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03

Client ID: BS-68-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002163.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 42	U	900	42	ug/Kg
Acenaphthene	< 42	U	360	42	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 39	U	900	39	ug/Kg
Dibenzofuran	< 36	U	360	36	ug/Kg
2,4-Dinitrotoluene	< 39	U	360	39	ug/Kg
thylphthalate	< 36	U	360	36	ug/Kg
Chlorophenyl-phenylether	< 42	U	360	42	ug/Kg
Fluorene	< 39	U	360	39	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	900	42	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 39	U	360	39	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	320	J	360	36	ug/Kg
Anthracene	96	J	360	47	ug/Kg
Carbazole	< 15	U	360	15	ug/Kg
Di-n-butylphthalate	< 42	U	360	42	ug/Kg
Fluoranthene	500		360	36	ug/Kg
Pyrene	1000		360	36	ug/Kg
Butylbenzylphthalate	260	J	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	290	J	360	36	ug/Kg
Chrysene	220	J	360	57	ug/Kg
bis(2-Ethylhexyl)phthalate	86	JB	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	340	J	360	36	ug/Kg
Benzo(k)fluoranthene	200	J	360	93	ug/Kg
Benzo(a)pyrene	190	J	360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	< 57	U	360	57	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03

Client ID: BS-68-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002163.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 54	U	360	54	ug/Kg
Benzo(g,h,i)perylene	< 47	U	360	47	ug/Kg
SURROGATES					
2-Fluorophenol	177.14	59 %	25 - 121		SPK: 300
Phenol-d5	169	56 %	24 - 113		SPK: 300
Nitrobenzene-d5	118.53	59 %	23 - 120		SPK: 200
luorobiphenyl	129.47	65 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	187.67	63 %	19 - 122		SPK: 300
Terphenyl-d14	473.22	237 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	130239	4.59
Naphthalene-d8	534732	7.04
Acenaphthene-d10	272639	10.85
Phenanthrene-d10	524465	14.20
Chrysene-d12	292534	20.25
Perylene-d12	43025	23.28

TENTITIVE IDENTIFIED COMPOUNDS

Hexanal	350	J	1.82	ug/Kg
ACP	590	A	2.09	ug/Kg
ACP	11000	A	2.43	ug/Kg
ACP	820	A	3.29	ug/Kg
Hexanoic acid	720	J	4.65	ug/Kg
Tridecane	170	J	13.23	ug/Kg
Unknown	170	J	14.97	ug/Kg
Tetradecane	390	J	15.22	ug/Kg
Anthracene, 9-methyl-	250	J	15.36	ug/Kg
anthrene, 9-methyl-	230	J	15.42	ug/Kg
3-(Trifluoromethoxy)benzaldehyde	160	J	15.57	ug/Kg
Unknown	200	J	15.81	ug/Kg
Hexadecanoic acid	760	J	15.94	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03

Client ID: BS-68-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002163.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TENTATIVE IDENTIFIED COMPOUNDS					
Naphthalene, 2-phenyl-	180	J	16.10		ug/Kg
Octadecane	190	J	16.17		ug/Kg
Unknown	210	J	16.31		ug/Kg
Phenanthrene, 3,6-dimethyl-	230	J	16.51		ug/Kg
Phenanthrene, 2,3-dimethyl-	370	J	16.66		ug/Kg
Hexanedioic acid, dioctyl ester	180	J	19.49		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03RE

Client ID: BS-68-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001765.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	360	42	ug/Kg
2-Chlorophenol	< 39	U	360	39	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 42	U	360	42	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
4-Methylphenol	< 36	U	360	36	ug/Kg
2,2-bis(4-chlorophenyl)propane	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 64	U	360	64	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 39	U	360	39	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 39	U	360	39	ug/Kg
2,4-Dimethylphenol	< 82	U	360	82	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	360	42	ug/Kg
Naphthalene	< 42	U	360	42	ug/Kg
4-Chloroaniline	< 42	U	360	42	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 39	U	360	39	ug/Kg
2-Methylnaphthalene	< 42	U	360	42	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 42	U	360	42	ug/Kg
2-Nitroaniline	< 36	U	900	36	ug/Kg
2-Methylnaphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 42	U	360	42	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03RE

Client ID: BS-68-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001765.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 42	U	900	42	ug/Kg
Acenaphthene	< 42	U	360	42	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 39	U	900	39	ug/Kg
Dibenzofuran	< 36	U	360	36	ug/Kg
2,4-Dinitrotoluene	< 39	U	360	39	ug/Kg
Diethylphthalate	< 36	U	360	36	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	360	42	ug/Kg
Fluorene	51	J	360	39	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	900	42	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 39	U	360	39	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	400		360	36	ug/Kg
Anthracene	120	J	360	47	ug/Kg
Carbazole	< 15	U	360	15	ug/Kg
Di-n-butylphthalate	< 42	U	360	42	ug/Kg
Fluoranthene	570		360	36	ug/Kg
Pyrene	730		360	36	ug/Kg
Butylbenzylphthalate	310	J	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	370		360	36	ug/Kg
Chrysene	430		360	57	ug/Kg
bis(2-Ethylhexyl)phthalate	200	JB	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	350	J	360	36	ug/Kg
Benzo(k)fluoranthene	280	J	360	93	ug/Kg
Benzo(a)pyrene	320	J	360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	71	J	360	57	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03RE

Client ID: BS-68-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001765.D

Dilution: 1

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 54	U U J	360	54	ug/Kg
Benzo(g,h,i)perylene	110	J J	360	47	ug/Kg
SURROGATES					
2-Fluorophenol	118.69	40 %	25 - 121		SPK: 300
Phenol-d5	124.17	41 %	24 - 113		SPK: 300
Nitrobenzene-d5	100.75	50 %	23 - 120		SPK: 200
Fluorobiphenyl	113.02	57 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	173.96	58 %	19 - 122		SPK: 300
Terphenyl-d14	123.88	62 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	87977	8.17			
Naphthalene-d8	282114	10.42			
Acenaphthene-d10	149191	13.70			
Phenanthrene-d10	231460	16.52			
Chrysene-d12	183086	21.60			
Perylene-d12	109401	25.52			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04

Client ID: BS-70-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002164.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 43	U	430	43	ug/Kg
bis(2-Chloroethyl)ether	< 51	U	430	51	ug/Kg
2-Chlorophenol	< 48	U	430	48	ug/Kg
1,2-Dichlorobenzene	< 43	U	430	43	ug/Kg
1,3-Dichlorobenzene	< 51	U	430	51	ug/Kg
1,4-Dichlorobenzene	< 43	U	430	43	ug/Kg
4-ethylphenol	< 43	U	430	43	ug/Kg
2,2'-oxybis(1-chloropropane)	< 43	U	430	43	ug/Kg
3+4-Methylphenols	< 78	U	430	78	ug/Kg
N-Nitroso-di-n-propylamine	< 43	U	430	43	ug/Kg
Hexachloroethane	< 48	U	430	48	ug/Kg
Nitrobenzene	< 43	U	430	43	ug/Kg
Isophorone	< 43	U	430	43	ug/Kg
2-Nitrophenol	< 48	U	430	48	ug/Kg
2,4-Dimethylphenol	< 100	U	430	100	ug/Kg
bis(2-Chloroethoxy)methane	< 43	U	430	43	ug/Kg
2,4-Dichlorophenol	< 56	U	430	56	ug/Kg
1,2,4-Trichlorobenzene	< 51	U	430	51	ug/Kg
Naphthalene	150	J	430	51	ug/Kg
4-Chloroaniline	< 51	U	430	51	ug/Kg
Hexachlorobutadiene	< 65	U	430	65	ug/Kg
4-Chloro-3-methylphenol	< 48	U	430	48	ug/Kg
2-Methylnaphthalene	85	J	430	51	ug/Kg
Hexachlorocyclopentadiene	< 160	U	430	160	ug/Kg
2,4,6-Trichlorophenol	< 43	U	430	43	ug/Kg
2,4,5-Trichlorophenol	< 43	U	1100	43	ug/Kg
2-Chloronaphthalene	< 51	U	430	51	ug/Kg
Nitroaniline	< 43	U	1100	43	ug/Kg
Dimethylphthalate	< 43	U	430	43	ug/Kg
Acenaphthylene	< 51	U	430	51	ug/Kg
2,6-Dinitrotoluene	< 43	U	430	43	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04

Client ID: BS-70-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002164.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 51	U	1100	51	ug/Kg
Acenaphthene	1000		430	51	ug/Kg
2,4-Dinitrophenol	< 87	U	1100	87	ug/Kg
4-Nitrophenol	< 48	U	1100	48	ug/Kg
Dibenzofuran	460		430	43	ug/Kg
2,4-Dinitrotoluene	< 48	U	430	48	ug/Kg
Diethylphthalate	< 43	U	430	43	ug/Kg
4-Chlorophenyl-phenylether	< 51	U	430	51	ug/Kg
Fluorene	1100		430	48	ug/Kg
4-Nitroaniline	< 100	U	1100	100	ug/Kg
4,6-Dinitro-2-methylphenol	< 51	U	1100	51	ug/Kg
N-Nitrosodiphenylamine	< 87	U	430	87	ug/Kg
4-Bromophenyl-phenylether	< 56	U	430	56	ug/Kg
Hexachlorobenzene	< 48	U	430	48	ug/Kg
Pentachlorophenol	< 82	U	1100	82	ug/Kg
Phenanthrene	8500 9700	E	430	43	ug/Kg
Anthracene	2500		430	56	ug/Kg
Carbazole	710		430	18	ug/Kg
Di-n-butylphthalate	< 51	U	430	51	ug/Kg
Fluoranthene	12000 16000	E	430	43	ug/Kg
Pyrene	9900 5700	E	430	43	ug/Kg
Butylbenzylphthalate	< 43	U	430	43	ug/Kg
3,3'-Dichlorobenzidine	< 43	U	430	43	ug/Kg
Benzo(a)anthracene	6600 4700	E	430	43	ug/Kg
Chrysene	5000 4100	E	430	69	ug/Kg
bis(2-Ethylhexyl)phthalate	200	JB	430	43	ug/Kg
Di-n-octyl phthalate	< 65	U	430	65	ug/Kg
Benzo(b)fluoranthene	44000 3900	E	430	43	ug/Kg
Benzo(k)fluoranthene	26000 4000	E	430	110	ug/Kg
Benzo(a)pyrene	24000 3900	E	430	65	ug/Kg
Indeno(1,2,3-cd)pyrene	69	U	430	69	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04

Client ID: BS-70-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002164.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	360	J J	430	65	ug/Kg
Benzo(g,h,i)perylene	280	J J	430	56	ug/Kg
SURROGATES					
2-Fluorophenol	190.54	64 %	25 - 121		SPK: 300
Phenol-d5	170.35	57 %	24 - 113		SPK: 300
Nitrobenzene-d5	112.68	56 %	23 - 120		SPK: 200
Fluorobiphenyl	127.8	64 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	205.13	68 %	19 - 122		SPK: 300
Terphenyl-d14	315.26	158 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	121283	4.60			
Naphthalene-d8	517624	7.02			
Acenaphthene-d10	253037	10.86			
Phenanthrene-d10	458513	14.20			
Chrysene-d12	438519	20.31			
Perylene-d12	22743	23.30			
TENTITIVE IDENTIFIED COMPOUNDS					
Hexanal	430	J	1.81		ug/Kg
ACP	630	A	2.09		ug/Kg
ACP	9100	A	2.41		ug/Kg
ACP	1900	A	2.43		ug/Kg
ACP	350	A	2.88		ug/Kg
ACP	810	A	3.28		ug/Kg
Butanoic acid, 3-methyl-	310	J	4.67		ug/Kg
Anthracene, 2-methyl-	90	J	15.42		ug/Kg
14-Cyclopenta[def]phenanthrene	160	J	15.57		ug/Kg
Decanoic acid	110	J	15.94		ug/Kg
11H-Benzo[b]fluorene	170	J	18.28		ug/Kg
7H-Benzo[c]fluorene	110	J	18.44		ug/Kg
Pyrene, 4-methyl-	90	J	18.49		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04

Client ID: BS-70-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002164.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Hexanedioic acid, bis(2-ethylhexyl)	440	J	19.50		ug/Kg
Benzo[k]fluoranthene	460	J	23.11		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04DL

Client ID: BS-70-4DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001210.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 430	U	4300	430	ug/Kg
bis(2-Chloroethyl)ether	< 510	U	4300	510	ug/Kg
2-Chlorophenol	< 480	U	4300	480	ug/Kg
1,2-Dichlorobenzene	< 430	U	4300	430	ug/Kg
1,3-Dichlorobenzene	< 510	U	4300	510	ug/Kg
1,4-Dichlorobenzene	< 430	U	4300	430	ug/Kg
4-Methylphenol	< 430	U	4300	430	ug/Kg
2,2'-oxybis(1-chloropropane)	< 430	U	4300	430	ug/Kg
3+4-Methylphenols	< 780	U	4300	780	ug/Kg
N-Nitroso-di-n-propylamine	< 430	U	4300	430	ug/Kg
Hexachloroethane	< 480	U	4300	480	ug/Kg
Nitrobenzene	< 430	U	4300	430	ug/Kg
Isophorone	< 430	U	4300	430	ug/Kg
2-Nitrophenol	< 480	U	4300	480	ug/Kg
2,4-Dimethylphenol	< 1000	U	4300	1000	ug/Kg
bis(2-Chloroethoxy)methane	< 430	U	4300	430	ug/Kg
2,4-Dichlorophenol	< 560	U	4300	560	ug/Kg
1,2,4-Trichlorobenzene	< 510	U	4300	510	ug/Kg
Naphthalene	< 510	U	4300	510	ug/Kg
4-Chloroaniline	< 510	U	4300	510	ug/Kg
Hexachlorobutadiene	< 650	U	4300	650	ug/Kg
4-Chloro-3-methylphenol	< 480	U	4300	480	ug/Kg
2-Methylnaphthalene	< 510	U	4300	510	ug/Kg
Hexachlorocyclopentadiene	< 1600	U	4300	1600	ug/Kg
2,4,6-Trichlorophenol	< 430	U	4300	430	ug/Kg
2,4,5-Trichlorophenol	< 430	U	11000	430	ug/Kg
2-Chloronaphthalene	< 510	U	4300	510	ug/Kg
Nitroaniline	< 430	U	11000	430	ug/Kg
Dimethylphthalate	< 430	U	4300	430	ug/Kg
Acenaphthylene	< 510	U	4300	510	ug/Kg
2,6-Dinitrotoluene	< 430	U	4300	430	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04DL

Client ID: BS-70-4DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001210.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 510	U	11000	510	ug/Kg
Acenaphthene	530	JD	4300	510	ug/Kg
2,4-Dinitrophenol	< 870	U	11000	870	ug/Kg
4-Nitrophenol	< 480	U	11000	480	ug/Kg
Dibenzofuran	< 430	U	4300	430	ug/Kg
2,4-Dinitrotoluene	< 480	U	4300	480	ug/Kg
Diethylphthalate	< 430	U	4300	430	ug/Kg
2-Chlorophenyl-phenylether	< 510	U	4300	510	ug/Kg
Fluorene	530	JD	4300	480	ug/Kg
4-Nitroaniline	< 1000	U	11000	1000	ug/Kg
4,6-Dinitro-2-methylphenol	< 510	U	11000	510	ug/Kg
N-Nitrosodiphenylamine	< 870	U	4300	870	ug/Kg
4-Bromophenyl-phenylether	< 560	U	4300	560	ug/Kg
Hexachlorobenzene	< 480	U	4300	480	ug/Kg
Pentachlorophenol	< 820	U	11000	820	ug/Kg
Phenanthrene	9700	D	4300	430	ug/Kg
Anthracene	1400	JD	4300	560	ug/Kg
Carbazole	< 180	U	4300	180	ug/Kg
Di-n-butylphthalate	< 510	U	4300	510	ug/Kg
Fluoranthene	16000	D	4300	430	ug/Kg
Pyrene	5700	D	4300	430	ug/Kg
Butylbenzylphthalate	< 430	U	4300	430	ug/Kg
3,3'-Dichlorobenzidine	< 430	U	4300	430	ug/Kg
Benzo(a)anthracene	4700	D	4300	430	ug/Kg
Chrysene	4100	JD	4300	690	ug/Kg
bis(2-Ethylhexyl)phthalate	< 430	U	4300	430	ug/Kg
Di-n-octyl phthalate	< 650	U	4300	650	ug/Kg
Benzo(b)fluoranthene	3900	JD	4300	430	ug/Kg
Benzo(k)fluoranthene	4000	JD	4300	1100	ug/Kg
Benzo(a)pyrene	3900	JD	4300	650	ug/Kg
Indeno(1,2,3-cd)pyrene	980	JD	4300	690	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04DL

Client ID: BS-70-4DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001210.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 24

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 650	U	4300	650	ug/Kg
Benzo(g,h,i)perylene	2000	JD	4300	560	ug/Kg

SURROGATES

2-Fluorophenol	15.93	46 %	25 - 121		SPK: 300
Phenol-d5	15.97	53 %	24 - 113		SPK: 300
Nitrobenzene-d5	9.9	50 %	23 - 120		SPK: 200
2-Fluorobiphenyl	7.56	38 %	30 - 116		SPK: 200
4,6-Tribromophenol	10.09	34 %	19 - 122		SPK: 300
Terphenyl-d14	9.08	45 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	148300	6.74
Naphthalene-d8	572186	8.42
Acenaphthene-d10	353464	10.29
Phenanthrene-d10	502715	11.69
Chrysene-d12	208838	14.51
Perylene-d12	47675	17.32

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05

Client ID: BS-74-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002165.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 160	U	1600	160	ug/Kg
bis(2-Chloroethyl)ether	< 190	U	1600	190	ug/Kg
2-Chlorophenol	< 130	U	1600	130	ug/Kg
1,2-Dichlorobenzene	< 160	U	1600	160	ug/Kg
1,3-Dichlorobenzene	< 190	U	1600	190	ug/Kg
1,4-Dichlorobenzene	< 160	U	1600	160	ug/Kg
2-Methylphenol	< 160	U	1600	160	ug/Kg
1,2-Dichloroethane	< 160	U	1600	160	ug/Kg
3+4-Methylphenols	< 300	U	1600	300	ug/Kg
N-Nitroso-di-n-propylamine	< 160	U	1600	160	ug/Kg
Hexachloroethane	< 180	U	1600	180	ug/Kg
Nitrobenzene	< 160	U	1600	160	ug/Kg
Isophorone	< 160	U	1600	160	ug/Kg
2-Nitrophenol	< 180	U	1600	180	ug/Kg
2,4-Dimethylphenol	< 380	U	1600	380	ug/Kg
bis(2-Chloroethoxy)methane	< 160	U	1600	160	ug/Kg
2,4-Dichlorophenol	< 210	U	1600	210	ug/Kg
1,2,4-Trichlorobenzene	< 190	U	1600	190	ug/Kg
Naphthalene	2100		1600	190	ug/Kg
4-Chloroaniline	< 190	U	1600	190	ug/Kg
Hexachlorobutadiene	< 250	U	1600	250	ug/Kg
4-Chloro-3-methylphenol	< 180	U	1600	180	ug/Kg
2-Methylnaphthalene	430	J	1600	190	ug/Kg
Hexachlorocyclopentadiene	< 620	U	1600	620	ug/Kg
2,4,6-Trichlorophenol	< 160	U	1600	160	ug/Kg
2,4,5-Trichlorophenol	< 160	U	4100	160	ug/Kg
2-Chloronaphthalene	< 190	U	1600	190	ug/Kg
2-Nitroaniline	< 160	U	4100	160	ug/Kg
2-Methylphthalate	< 160	U	1600	160	ug/Kg
Acenaphthylene	210	J	1600	190	ug/Kg
2,6-Dinitrotoluene	< 160	U	1600	160	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05

Client ID: BS-74-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002165.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 190	U	4100	190	ug/Kg
Acenaphthene	3200		1600	190	ug/Kg
2,4-Dinitrophenol	< 330	U	4100	330	ug/Kg
4-Nitrophenol	< 180	U	4100	180	ug/Kg
Dibenzofuran	1800		1600	160	ug/Kg
2,4-Dinitrotoluene	< 180	U	1600	180	ug/Kg
Diethylphthalate	< 160	U	1600	160	ug/Kg
Chlorophenyl-phenylether	< 190	U	1600	190	ug/Kg
Fluorene	3400		1600	180	ug/Kg
4-Nitroaniline	< 390	U	4100	390	ug/Kg
4,6-Dinitro-2-methylphenol	< 190	U	4100	190	ug/Kg
N-Nitrosodiphenylamine	< 330	U	1600	330	ug/Kg
4-Bromophenyl-phenylether	< 210	U	1600	210	ug/Kg
Hexachlorobenzene	< 180	U	1600	180	ug/Kg
Pentachlorophenol	< 310	U	4100	310	ug/Kg
Phenanthrene	26000 27000 E	E	1600	160	ug/Kg
Anthracene	7200		1600	210	ug/Kg
Carbazole	3300		1600	67	ug/Kg
Di-n-butylphthalate	< 190	U	1600	190	ug/Kg
Fluoranthene	38000 65000 E	E	1600	160	ug/Kg
Pyrene	34000 17000 E	E	1600	160	ug/Kg
Butylbenzylphthalate	< 160	U	1600	160	ug/Kg
3,3'-Dichlorobenzidine	< 160	U	1600	160	ug/Kg
Benzo(a)anthracene	19000 15000 E	E	1600	160	ug/Kg
Chrysene	17000 18000 E	E	1600	260	ug/Kg
bis(2-Ethylhexyl)phthalate	20000 13000 EB	EB	1600	160	ug/Kg
Di-n-octyl phthalate	< 250	U	1600	250	ug/Kg
Benzo(b)fluoranthene	160000 14000 E	E	1600	160	ug/Kg
Benzo(k)fluoranthene	44000 17000 E	E	1600	430	ug/Kg
Benzo(a)pyrene	81000 15000 E	E	1600	250	ug/Kg
Indeno(1,2,3-cd)pyrene	< 260	U	1600	260	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05

Client ID: BS-74-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002165.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	850	J J	1600	250	ug/Kg
Benzo(g,h,i)perylene	1100	J J	1600	210	ug/Kg
SURROGATES					
2-Fluorophenol	39.38	66 %	25 - 121		SPK: 300
Phenol-d5	39.76	66 %	24 - 113		SPK: 300
1,4-Dibromobenzene-d5	27.74	69 %	23 - 120		SPK: 200
2-Fluorobiphenyl	27.31	68 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	36.38	61 %	19 - 122		SPK: 300
Terphenyl-d14	42.46	106 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	120817	4.58
Naphthalene-d8	498570	7.03
Acenaphthene-d10	253300	10.86
Phenanthrene-d10	436370	14.19
Chrysene-d12	394532	20.29
Perylene-d12	21272	23.30

TENTATIVE IDENTIFIED COMPOUNDS

ACP	26000	A	2.31	ug/Kg
Unknown	2000	J	2.34	ug/Kg
Tridecane	490	J	8.55	ug/Kg
Unknown	410	J	8.57	ug/Kg
Tetradecane	1500	J	9.81	ug/Kg
Eicosane	1900	J	11.00	ug/Kg
4H-Cyclopenta[def]phenanthrene	600	J	15.58	ug/Kg
11H-Benzo[b]fluorene	580	J	18.27	ug/Kg
Dihydrocyclopenta(cd)pyrene (	350	J	20.48	ug/Kg
Unknown	1700	J	23.08	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05DL

Client ID: BS-74-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001211.D

Dilution: 50

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 1600	U	16000	1600	ug/Kg
bis(2-Chloroethyl)ether	< 1900	U	16000	1900	ug/Kg
2-Chlorophenol	< 1800	U	16000	1800	ug/Kg
1,2-Dichlorobenzene	< 1600	U	16000	1600	ug/Kg
1,3-Dichlorobenzene	< 1900	U	16000	1900	ug/Kg
1,4-Dichlorobenzene	< 1600	U	16000	1600	ug/Kg
o-Methylphenol	< 1600	U	16000	1600	ug/Kg
1,2-dichloroethoxybis(1-chloropropane)	< 1600	U	16000	1600	ug/Kg
3+4-Methylphenols	< 3000	U	16000	3000	ug/Kg
N-Nitroso-di-n-propylamine	< 1600	U	16000	1600	ug/Kg
Hexachloroethane	< 1800	U	16000	1800	ug/Kg
Nitrobenzene	< 1600	U	16000	1600	ug/Kg
Isophorone	< 1600	U	16000	1600	ug/Kg
2-Nitrophenol	< 1800	U	16000	1800	ug/Kg
2,4-Dimethylphenol	< 3800	U	16000	3800	ug/Kg
bis(2-Chloroethoxy)methane	< 1600	U	16000	1600	ug/Kg
2,4-Dichlorophenol	< 2100	U	16000	2100	ug/Kg
1,2,4-Trichlorobenzene	< 1900	U	16000	1900	ug/Kg
Naphthalene	< 1900	U	16000	1900	ug/Kg
4-Chloroaniline	< 1900	U	16000	1900	ug/Kg
Hexachlorobutadiene	< 2500	U	16000	2500	ug/Kg
4-Chloro-3-methylphenol	< 1800	U	16000	1800	ug/Kg
2-Methylnaphthalene	< 1900	U	16000	1900	ug/Kg
Hexachlorocyclopentadiene	< 6200	U	16000	6200	ug/Kg
2,4,6-Trichlorophenol	< 1600	U	16000	1600	ug/Kg
2,4,5-Trichlorophenol	< 1600	U	41000	1600	ug/Kg
2-Chloronaphthalene	< 1900	U	16000	1900	ug/Kg
2-Nitroaniline	< 1600	U	41000	1600	ug/Kg
1-methylnaphthalene	< 1600	U	16000	1600	ug/Kg
Acenaphthylene	< 1900	U	16000	1900	ug/Kg
2,6-Dinitrotoluene	< 1600	U	16000	1600	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05DL

Client ID: BS-74-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001211.D

Dilution: 50

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 1900	U	41000	1900	ug/Kg
Acenaphthene	< 1900	U	16000	1900	ug/Kg
2,4-Dinitrophenol	< 3300	U	41000	3300	ug/Kg
4-Nitrophenol	< 1800	U	41000	1800	ug/Kg
Dibenzofuran	< 1600	U	16000	1600	ug/Kg
2,4-Dinitrotoluene	< 1800	U	16000	1800	ug/Kg
Diethylphthalate	< 1600	U	16000	1600	ug/Kg
2-Chlorophenyl-phenylether	< 1900	U	16000	1900	ug/Kg
Fluorene	< 1800	U	16000	1800	ug/Kg
4-Nitroaniline	< 3900	U	41000	3900	ug/Kg
4,6-Dinitro-2-methylphenol	< 1900	U	41000	1900	ug/Kg
N-Nitrosodiphenylamine	< 3300	U	16000	3300	ug/Kg
4-Bromophenyl-phenylether	< 2100	U	16000	2100	ug/Kg
Hexachlorobenzene	< 1800	U	16000	1800	ug/Kg
Pentachlorophenol	< 3100	U	41000	3100	ug/Kg
Phenanthrene	29000	D	16000	1600	ug/Kg
Anthracene	3600	JD	16000	2100	ug/Kg
Carbazole	1700	JD	16000	670	ug/Kg
Di-n-butylphthalate	< 1900	U	16000	1900	ug/Kg
Fluoranthene	63000	D	16000	1600	ug/Kg
Pyrene	17000	D	16000	1600	ug/Kg
Butylbenzylphthalate	< 1600	U	16000	1600	ug/Kg
3,3'-Dichlorobenzidine	< 1600	U	16000	1600	ug/Kg
Benzo(a)anthracene	15000	JD	16000	1600	ug/Kg
Chrysene	14000	JD	16000	2600	ug/Kg
bis(2-Ethylhexyl)phthalate	13000	JBD	16000	1600	ug/Kg
Di-n-octyl phthalate	< 2500	U	16000	2500	ug/Kg
Benzo(b)fluoranthene	14000	JD	16000	1600	ug/Kg
Benzo(k)fluoranthene	17000	D	16000	4300	ug/Kg
Benzo(a)pyrene	15000	JD	16000	2500	ug/Kg
Indeno(1,2,3-cd)pyrene	3800	JD	16000	2600	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05DL

Client ID: BS-74-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001211.D

Dilution: 50

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 1

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 2500	U	16000	2500	ug/Kg
Benzo(g,h,i)perylene	9800	JD	16000	2100	ug/Kg
SURROGATES					
2-Fluorophenol	2.86	48 %	25 - 121		SPK: 300
Phenol-d5	3.29	55 %	24 - 113		SPK: 300
Nitrobenzene-d5	2.57	64 %	23 - 120		SPK: 200
2-Fluorobiphenyl	1.89	47 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	1.17	30 %	19 - 122		SPK: 300
Terphenyl-d14	1.46	37 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	173084	6.74			
Naphthalene-d8	631370	8.42			
Acenaphthene-d10	279348	10.28			
Phenanthrene-d10	388540	11.69			
Chrysene-d12	235827	14.53			
Perylene-d12	47411	17.33			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06

Client ID: BS-78-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002199.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 41	U	350	41	ug/Kg
2-Chlorophenol	< 38	U	350	38	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 41	U	350	41	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
Methylphenol	< 35	U	350	35	ug/Kg
2,2'-oxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 62	U	350	62	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 38	U	350	38	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 38	U	350	38	ug/Kg
2,4-Dimethylphenol	< 79	U	350	79	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 45	U	350	45	ug/Kg
1,2,4-Trichlorobenzene	< 41	U	350	41	ug/Kg
Naphthalene	< 41	U	350	41	ug/Kg
4-Chloroaniline	< 41	U	350	41	ug/Kg
Hexachlorobutadiene	< 52	U	350	52	ug/Kg
4-Chloro-3-methylphenol	< 38	U	350	38	ug/Kg
2-Methylnaphthalene	< 41	U	350	41	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	870	35	ug/Kg
2-Chloronaphthalene	< 41	U	350	41	ug/Kg
2-Nitroaniline	< 35	U	870	35	ug/Kg
1-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 41	U	350	41	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06

Client ID: BS-78-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002199.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 41	U	870	41	ug/Kg
Acenaphthene	< 41	U	350	41	ug/Kg
2,4-Dinitrophenol	< 69	U	870	69	ug/Kg
4-Nitrophenol	< 38	U	870	38	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 38	U	350	38	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 41	U	350	41	ug/Kg
Fluorene	< 38	U	350	38	ug/Kg
4-Nitroaniline	< 83	U	870	83	ug/Kg
4,6-Dinitro-2-methylphenol	< 41	U	870	41	ug/Kg
N-Nitrosodiphenylamine	< 69	U	350	69	ug/Kg
4-Bromophenyl-phenylether	< 45	U	350	45	ug/Kg
Hexachlorobenzene	< 38	U	350	38	ug/Kg
Pentachlorophenol	< 66	U	870	66	ug/Kg
Phenanthrene	110	J	350	35	ug/Kg
Anthracene	< 45	U	350	45	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 41	U	350	41	ug/Kg
Fluoranthene	130	J	350	35	ug/Kg
Pyrene	300	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	64	J	350	35	ug/Kg
Chrysene	< 55	U	350	55	ug/Kg
bis(2-Ethylhexyl)phthalate	< 35	U	350	35	ug/Kg
Di-n-octyl phthalate	< 52	U	350	52	ug/Kg
Benzo(b)fluoranthene	< 35	U	350	35	ug/Kg
Benzo(k)fluoranthene	< 90	U	350	90	ug/Kg
Benzo(a)pyrene	< 52	U	350	52	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	350	55	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06

Client ID: BS-78-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002199.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 52	U 55	350	52	ug/Kg
Benzo(g,h,i)perylene	< 45	U 45	350	45	ug/Kg
SURROGATES					
2-Fluorophenol	165.4	55 %	25 - 121		SPK: 300
Phenol-d5	174.26	58 %	24 - 113		SPK: 300
Nitrobenzene-d5	119.16	60 %	23 - 120		SPK: 200
Fluorobiphenyl	131.83	66 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	183.95	61 %	19 - 122		SPK: 300
Terphenyl-d14	854.63	427 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	134339	4.55
Naphthalene-d8	523681	6.98
Acenaphthene-d10	271196	10.81
Phenanthrene-d10	493188	14.14
Chrysene-d12	175770	20.17
Perylene-d12	37630	23.22

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	360	J	1.80	ug/Kg
ACP	630	A	2.05	ug/Kg
ACP	9700	A	2.39	ug/Kg
ACP	340	A	3.25	ug/Kg
Hexadecanoic acid	470	J	15.87	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06RE

Client ID: BS-78-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001329.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 41	U	350	41	ug/Kg
2-Chlorophenol	< 38	U	350	38	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 41	U	350	41	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
1-ethylphenol	< 35	U	350	35	ug/Kg
1,2-dichloroethoxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 62	U	350	62	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 38	U	350	38	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 38	U	350	38	ug/Kg
2,4-Dimethylphenol	< 79	U	350	79	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 45	U	350	45	ug/Kg
1,2,4-Trichlorobenzene	< 41	U	350	41	ug/Kg
Naphthalene	< 41	U	350	41	ug/Kg
4-Chloroaniline	< 41	U	350	41	ug/Kg
Hexachlorobutadiene	< 52	U	350	52	ug/Kg
4-Chloro-3-methylphenol	< 38	U	350	38	ug/Kg
2-Methylnaphthalene	< 41	U	350	41	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	870	35	ug/Kg
2-Chloronaphthalene	< 41	U	350	41	ug/Kg
4-Nitroaniline	< 35	U	870	35	ug/Kg
1-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 41	U	350	41	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06RE

Client ID: BS-78-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001329.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 41	U	870	41	ug/Kg
Acenaphthene	< 41	U	350	41	ug/Kg
2,4-Dinitrophenol	< 69	U	870	69	ug/Kg
4-Nitrophenol	< 38	U	870	38	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 38	U	350	38	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
Chlorophenyl-phenylether	< 41	U	350	41	ug/Kg
Fluorene	< 38	U	350	38	ug/Kg
4-Nitroaniline	< 83	U	870	83	ug/Kg
4,6-Dinitro-2-methylphenol	< 41	U	870	41	ug/Kg
N-Nitrosodiphenylamine	< 69	U	350	69	ug/Kg
4-Bromophenyl-phenylether	< 45	U	350	45	ug/Kg
Hexachlorobenzene	< 38	U	350	38	ug/Kg
Pentachlorophenol	< 66	U	870	66	ug/Kg
Phenanthrene	41	J	350	35	ug/Kg
Anthracene	< 45	U	350	45	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 41	U	350	41	ug/Kg
Fluoranthene	37	J	350	35	ug/Kg
Pyrene	44	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	35	J	350	35	ug/Kg
Chrysene	< 55	U	350	55	ug/Kg
bis(2-Ethylhexyl)phthalate	< 35	U	350	35	ug/Kg
Di-n-octyl phthalate	< 52	U	350	52	ug/Kg
Benzo(b)fluoranthene	< 35	U	350	35	ug/Kg
Benzo(k)fluoranthene	< 90	U	350	90	ug/Kg
Benzo(a)pyrene	< 52	U	350	52	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	350	55	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06RE

Client ID: BS-78-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001329.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 52	U	350	52	ug/Kg
Benzo(g,h,i)perylene	< 45	U	350	45	ug/Kg

SURROGATES

2-Fluorophenol	308.97	103 %	25 - 121	SPK: 300
Phenol-d5	299.02	100 %	24 - 113	SPK: 300
Nitrobenzene-d5	160.15	80 %	23 - 120	SPK: 200
Fluorobiphenyl	300.77	150 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	319.31	106 %	19 - 122	SPK: 300
Terphenyl-d14	633.31	317 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	74720	6.65
Naphthalene-d8	307123	8.33
Acenaphthene-d10	130715	10.19
Phenanthrene-d10	151700	11.58
Chrysene-d12	30425	14.32
Perylene-d12	3931	17.02

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07

Client ID: BS-80-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002209.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
4-Ethylphenol	< 180	U	1800	180	ug/Kg
2,2'-oxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 410	U	1800	410	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 670	U	1300	670	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
Nitroaniline	< 180	U	4500	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07

Client ID: BS-80-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002209.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	< 210	U	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	740	J	1800	180	ug/Kg
Anthracene	< 230	U	1800	230	ug/Kg
Carbazole	< 73	U	1800	73	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	1100	J	1800	180	ug/Kg
Pyrene	1700	J	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	580	J	1800	180	ug/Kg
Chrysene	< 280	U	1800	280	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	< 180	U	1800	180	ug/Kg
Benzo(k)fluoranthene	< 460	U	1800	460	ug/Kg
Benzo(a)pyrene	< 270	U	1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1800	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID:	P3097-07	Client ID:	BS-80-4
Date Collected:	6/19/02	Date Received:	6/21/02
Date Analyzed:	6/28/02	Matrix:	SOIL
Date Extracted:	6/25/02	File ID:	BB002209.D
Dilution:	5	Instrument ID:	5971B
Analytical Method:	8270	Analytical Run ID:	2
Sample Wt/Wol:	30.3	Extract Vol:	1000
Injection Vol:	2	% Moisture:	8
Associated Blank:	PB062502-15B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	U	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	29.17	49 %	25 - 121		SPK: 300
Phenol-d5	28.23	47 %	24 - 113		SPK: 300
Nitrobenzene-d5	21.64	54 %	23 - 120		SPK: 200
2-Fluorobiphenyl	20.63	52 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	31.87	53 %	19 - 122		SPK: 300
Terphenyl-d14	65.28	163 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	116425	4.54
Naphthalene-d8	465906	6.99
Acenaphthene-d10	242996	10.81
Phenanthrene-d10	453628	14.13
Chrysene-d12	224340	20.16
Perylene-d12	9233	23.20

TENTATIVE IDENTIFIED COMPOUNDS

ACP	1500	A	2.00	ug/Kg
ACP	30000	A	2.29	ug/Kg
ACP	1700	A	3.22	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07RE

Client ID: BS-80-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001332.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
4-Methylphenol	< 180	U	1800	180	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 410	U	1800	410	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 670	U	1800	670	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4500	180	ug/Kg
2-Methylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07RE

Client ID: BS-80-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001332.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	< 210	U	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	230	J	1800	180	ug/Kg
Anthracene	< 230	U	1800	230	ug/Kg
Carbazole	< 73	U	1800	73	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	180	J	1800	180	ug/Kg
Pyrene	490	J	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	360	J	1800	180	ug/Kg
Chrysene	290	J	1800	280	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	< 180	U	1800	180	ug/Kg
Benzo(k)fluoranthene	< 460	U	1800	460	ug/Kg
Benzo(a)pyrene	< 270	U	1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1800	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07RE

Client ID: BS-80-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001332.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	UV3	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	UL	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	28.34	47 %	25 - 121		SPK: 300
Phenol-d5	29.18	49 %	24 - 113		SPK: 300
Nitrobenzene-d5	15.28	38 %	23 - 120		SPK: 200
Fluorobiphenyl	9.75	24 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	12.82	21 %	19 - 122		SPK: 300
Terphenyl-d14	10.04	25 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	110016	6.64			
Naphthalene-d8	521729	8.33			
Acenaphthene-d10	285933	10.19			
Phenanthrene-d10	326276	11.58			
Chrysene-d12	24100	14.34			
Perylene-d12	3373	17.03			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08

Client ID: BS-84-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002166.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 37	U	370	37	ug/Kg
bis(2-Chloroethyl)ether	< 44	U	370	44	ug/Kg
2-Chlorophenol	< 41	U	370	41	ug/Kg
1,2-Dichlorobenzene	< 37	U	370	37	ug/Kg
1,3-Dichlorobenzene	< 44	U	370	44	ug/Kg
1,4-Dichlorobenzene	< 37	U	370	37	ug/Kg
4-Methylphenol	< 37	U	370	37	ug/Kg
1,2-Dichloro-2-oxybis(1-chloropropane)	< 37	U	370	37	ug/Kg
3+4-Methylphenols	< 67	U	370	67	ug/Kg
N-Nitroso-di-n-propylamine	< 37	U	370	37	ug/Kg
Hexachloroethane	< 41	U	370	41	ug/Kg
Nitrobenzene	< 37	U	370	37	ug/Kg
Isophorone	< 37	U	370	37	ug/Kg
2-Nitrophenol	< 41	U	370	41	ug/Kg
2,4-Dimethylphenol	< 85	U	370	85	ug/Kg
bis(2-Chloroethoxy)methane	< 37	U	370	37	ug/Kg
2,4-Dichlorophenol	< 48	U	370	48	ug/Kg
1,2,4-Trichlorobenzene	< 44	U	370	44	ug/Kg
Naphthalene	420		370	44	ug/Kg
4-Chloroaniline	< 44	U	370	44	ug/Kg
Hexachlorobutadiene	< 55	U	370	55	ug/Kg
4-Chloro-3-methylphenol	< 41	U	370	41	ug/Kg
2-Methylnaphthalene	120	J	370	44	ug/Kg
Hexachlorocyclopentadiene	< 140	U	370	140	ug/Kg
2,4,6-Trichlorophenol	< 37	U	370	37	ug/Kg
2,4,5-Trichlorophenol	< 37	U	930	37	ug/Kg
2-Chloronaphthalene	< 44	U	370	44	ug/Kg
2-Nitroaniline	< 37	U	930	37	ug/Kg
2-Methylphthalate	< 37	U	370	37	ug/Kg
Acenaphthylene	< 44	U	370	44	ug/Kg
2,6-Dinitrotoluene	< 37	U	370	37	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08

Client ID: BS-84-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002166.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 44	U	930	44	ug/Kg
Acenaphthene	620		370	44	ug/Kg
2,4-Dinitrophenol	< 74	U	930	74	ug/Kg
4-Nitrophenol	< 41	U	930	41	ug/Kg
Dibenzofuran	340	J	370	37	ug/Kg
2,4-Dinitrotoluene	< 41	U	370	41	ug/Kg
thylphthalate	< 37	U	370	37	ug/Kg
4-Chlorophenyl-phenylether	< 44	U	370	44	ug/Kg
Fluorene	650		370	41	ug/Kg
4-Nitroaniline	< 89	U	930	89	ug/Kg
4,6-Dinitro-2-methylphenol	< 44	U	930	44	ug/Kg
N-Nitrosodiphenylamine	< 74	U	370	74	ug/Kg
4-Bromophenyl-phenylether	< 48	U	370	48	ug/Kg
Hexachlorobenzene	< 41	U	370	41	ug/Kg
Pentachlorophenol	< 70	U	930	70	ug/Kg
Phenanthrene	4500 2500	E	370	37	ug/Kg
Anthracene	1100		370	48	ug/Kg
Carbazole	730		370	15	ug/Kg
Di-n-butylphthalate	< 44	U	370	44	ug/Kg
Fluoranthene	6300 5600	E	370	37	ug/Kg
Pyrene	6200 2000	E	370	37	ug/Kg
Butylbenzylphthalate	< 37	U	370	37	ug/Kg
3,3'-Dichlorobenzidine	< 37	U	370	37	ug/Kg
Benzo(a)anthracene	3100 2100	E	370	37	ug/Kg
Chrysene	2700		370	59	ug/Kg
bis(2-Ethylhexyl)phthalate	41	JB	370	37	ug/Kg
Di-n-octyl phthalate	< 55	U	370	55	ug/Kg
zo(b)fluoranthene	19000 1700	E J	370	37	ug/Kg
zo(k)fluoranthene	7600 2500	E I	370	96	ug/Kg
Benzo(a)pyrene	8500 1700	E I	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U U	370	59	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08

Client ID: BS-84-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002166.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 56	U U3	370	56	ug/Kg
Benzo(g,h,i)perylene	< 48	U 1	370	48	ug/Kg
SURROGATES					
2-Fluorophenol	180.17	60 %	25 - 121		SPK: 300
Phenol-d5	163.3	54 %	24 - 113		SPK: 300
Nitrobenzene-d5	116.25	58 %	23 - 120		SPK: 200
Fluorobiphenyl	126.53	63 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	192.79	64 %	19 - 122		SPK: 300
Terphenyl-d14	349.84	175 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	127032	4.60
Naphthalene-d8	515225	7.03
Acenaphthene-d10	255083	10.86
Phenanthrene-d10	463368	14.19
Chrysene-d12	361804	20.28
Perylene-d12	22278	23.31

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	530	J	1.82	ug/Kg
ACP	630	A	2.09	ug/Kg
ACP	10000	A	2.41	ug/Kg
ACP	870	A	3.28	ug/Kg
Pentanoic acid	440	J	4.75	ug/Kg
4H-Cyclopenta[def]phenanthrene	290	J	15.56	ug/Kg
Hexadecanoic acid	290	J	15.95	ug/Kg
9,10-Anthracenedione	130	J	16.18	ug/Kg
Phenanthrene, 2,7-dimethyl-	110	J	16.47	ug/Kg
adecanoic acid	110	J	17.71	ug/Kg
Pyrene, 2-methyl-	250	J	18.27	ug/Kg
Naphthalene, 1-(phenylmethyl)-	190	J	18.51	ug/Kg
7H-Benz[de]anthracen-7-one	120	J	19.47	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08

Client ID: BS-84-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002166.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Unknown	120	J	19.72		ug/Kg
Unknown	120	J	21.41		ug/Kg
Benzo[a]pyrene	650	J	22.76		ug/Kg
Benz[e]acephenanthrylene	1500	J	23.09		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08DL

Client ID: BS-84-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001212.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 370	U	3700	370	ug/Kg
bis(2-Chloroethyl)ether	< 440	U	3700	440	ug/Kg
2-Chlorophenol	< 410	U	3700	410	ug/Kg
1,2-Dichlorobenzene	< 370	U	3700	370	ug/Kg
1,3-Dichlorobenzene	< 440	U	3700	440	ug/Kg
1,4-Dichlorobenzene	< 370	U	3700	370	ug/Kg
Methylphenol	< 370	U	3700	370	ug/Kg
1,2-dichloro-2-oxybis(1-chloropropane)	< 370	U	3700	370	ug/Kg
3+4-Methylphenols	< 670	U	3700	670	ug/Kg
N-Nitroso-di-n-propylamine	< 370	U	3700	370	ug/Kg
Hexachloroethane	< 410	U	3700	410	ug/Kg
Nitrobenzene	< 370	U	3700	370	ug/Kg
Isophorone	< 370	U	3700	370	ug/Kg
2-Nitrophenol	< 410	U	3700	410	ug/Kg
2,4-Dimethylphenol	< 850	U	3700	850	ug/Kg
bis(2-Chloroethoxy)methane	< 370	U	3700	370	ug/Kg
2,4-Dichlorophenol	< 480	U	3700	480	ug/Kg
1,2,4-Trichlorobenzene	< 440	U	3700	440	ug/Kg
Naphthalene	< 440	U	3700	440	ug/Kg
4-Chloroaniline	< 440	U	3700	440	ug/Kg
Hexachlorobutadiene	< 550	U	3700	550	ug/Kg
4-Chloro-3-methylphenol	< 410	U	3700	410	ug/Kg
2-Methylnaphthalene	< 440	U	3700	440	ug/Kg
Hexachlorocyclopentadiene	< 1400	U	3700	1400	ug/Kg
2,4,6-Trichlorophenol	< 370	U	3700	370	ug/Kg
2,4,5-Trichlorophenol	< 370	U	9300	370	ug/Kg
2-Chloronaphthalene	< 440	U	3700	440	ug/Kg
2-Nitroaniline	< 370	U	9300	370	ug/Kg
2-Methylphthalate	< 370	U	3700	370	ug/Kg
Acenaphthylene	< 440	U	3700	440	ug/Kg
2,6-Dinitrotoluene	< 370	U	3700	370	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08DL

Client ID: BS-84-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001212.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Vol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 440	U	9300	440	ug/Kg
Acenaphthene	< 440	U	3700	440	ug/Kg
2,4-Dinitrophenol	< 740	U	9300	740	ug/Kg
4-Nitrophenol	< 410	U	9300	410	ug/Kg
Dibenzofuran	< 370	U	3700	370	ug/Kg
2,4-Dinitrotoluene	< 410	U	3700	410	ug/Kg
Diethylphthalate	< 370	U	3700	370	ug/Kg
Chlorophenyl-phenylether	< 440	U	3700	440	ug/Kg
Fluorene	< 410	U	3700	410	ug/Kg
4-Nitroaniline	< 890	U	9300	890	ug/Kg
4,6-Dinitro-2-methylphenol	< 440	U	9300	440	ug/Kg
N-Nitrosodiphenylamine	< 740	U	3700	740	ug/Kg
4-Bromophenyl-phenylether	< 480	U	3700	480	ug/Kg
Hexachlorobenzene	< 410	U	3700	410	ug/Kg
Pentachlorophenol	< 700	U	9300	700	ug/Kg
Phenanthrene	3500	JD	3700	370	ug/Kg
Anthracene	570	JD	3700	480	ug/Kg
Carbazole	< 150	U	3700	150	ug/Kg
Di-n-butylphthalate	< 440	U	3700	440	ug/Kg
Fluoranthene	5600	D	3700	370	ug/Kg
Pyrene	2000	JD	3700	370	ug/Kg
Butylbenzylphthalate	< 370	U	3700	370	ug/Kg
3,3'-Dichlorobenzidine	< 370	U	3700	370	ug/Kg
Benzo(a)anthracene	2100	JD	3700	370	ug/Kg
Chrysene	2000	JD	3700	590	ug/Kg
bis(2-Ethylhexyl)phthalate	< 370	U	3700	370	ug/Kg
Di-n-octyl phthalate	< 550	U	3700	550	ug/Kg
Benzo(b)fluoranthene	1900	JD	3700	370	ug/Kg
Benzo(k)fluoranthene	2500	JD	3700	960	ug/Kg
Benzo(a)pyrene	1900	JD	3700	550	ug/Kg
Indeno(1,2,3-cd)pyrene	< 590	U	3700	590	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08DL

Client ID: BS-84-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001212.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 560	U	3700	560	ug/Kg
Benzo(g,h,i)perylene	< 480	U	3700	480	ug/Kg
SURROGATES					
2-Fluorophenol	15.52	52 %	25 - 121		SPK: 300
Phenol-d5	17.5	58 %	24 - 113		SPK: 300
Nitrobenzene-d5	11.09	55 %	23 - 120		SPK: 200
fluorobiphenyl	8.35	42 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	8.64	29 %	19 - 122		SPK: 300
Terphenyl-d14	9.68	48 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	133762	6.74			
Naphthalene-d8	508090	8.42			
Acenaphthene-d10	304218	10.28			
Phenanthrene-d10	294017	11.69			
Chrysene-d12	147613	14.53			
Perylene-d12	30488	17.35			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09

Client ID: BS-88-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002193.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 39	U	390	39	ug/Kg
bis(2-Chloroethyl)ether	< 46	U	390	46	ug/Kg
2-Chlorophenol	< 43	U	390	43	ug/Kg
1,2-Dichlorobenzene	< 39	U	390	39	ug/Kg
1,3-Dichlorobenzene	< 46	U	390	46	ug/Kg
1,4-Dichlorobenzene	< 39	U	390	39	ug/Kg
Methylphenol	< 39	U	390	39	ug/Kg
1,2-dichloro-4-oxybis(1-chloropropane)	< 39	U	390	39	ug/Kg
3+4-Methylphenols	< 70	U	390	70	ug/Kg
N-Nitroso-di-n-propylamine	< 39	U	390	39	ug/Kg
Hexachloroethane	< 43	U	390	43	ug/Kg
Nitrobenzene	< 39	U	390	39	ug/Kg
Isophorone	< 39	U	390	39	ug/Kg
2-Nitrophenol	< 43	U	390	43	ug/Kg
2,4-Dimethylphenol	< 89	U	390	89	ug/Kg
bis(2-Chloroethoxy)methane	< 39	U	390	39	ug/Kg
2,4-Dichlorophenol	< 50	U	390	50	ug/Kg
1,2,4-Trichlorobenzene	< 46	U	390	46	ug/Kg
Naphthalene	< 46	U	390	46	ug/Kg
4-Chloroaniline	< 46	U	390	46	ug/Kg
Hexachlorobutadiene	< 58	U	390	58	ug/Kg
4-Chloro-3-methylphenol	< 43	U	390	43	ug/Kg
2-Methylnaphthalene	< 46	U	390	46	ug/Kg
Hexachlorocyclopentadiene	< 150	U	390	150	ug/Kg
2,4,6-Trichlorophenol	< 39	U	390	39	ug/Kg
2,4,5-Trichlorophenol	< 39	U	970	39	ug/Kg
2-Chloronaphthalene	< 46	U	390	46	ug/Kg
4-Nitroaniline	< 39	U	970	39	ug/Kg
2-Methylphthalate	< 39	U	390	39	ug/Kg
Acenaphthylene	< 46	U	390	46	ug/Kg
2,6-Dinitrotoluene	< 39	U	390	39	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09

Client ID: BS-88-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002193.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 46	U	970	46	ug/Kg
Acenaphthene	< 46	U	390	46	ug/Kg
2,4-Dinitrophenol	< 77	U	970	77	ug/Kg
4-Nitrophenol	< 43	U	970	43	ug/Kg
Dibenzofuran	< 39	U	390	39	ug/Kg
2,4-Dinitrotoluene	< 43	U	390	43	ug/Kg
Diethylphthalate	< 39	U	390	39	ug/Kg
Chlorophenyl-phenylether	< 46	U	390	46	ug/Kg
Fluorene	< 43	U	390	43	ug/Kg
4-Nitroaniline	< 93	U	970	93	ug/Kg
4,6-Dinitro-2-methylphenol	< 46	U	970	46	ug/Kg
N-Nitrosodiphenylamine	< 77	U	390	77	ug/Kg
4-Bromophenyl-phenylether	< 50	U	390	50	ug/Kg
Hexachlorobenzene	< 43	U	390	43	ug/Kg
Pentachlorophenol	< 74	U	970	74	ug/Kg
Phenanthrene	< 39	U	390	39	ug/Kg
Anthracene	< 50	U	390	50	ug/Kg
Carbazole	< 16	U	390	16	ug/Kg
Di-n-butylphthalate	< 46	U	390	46	ug/Kg
Fluoranthene	720		390	39	ug/Kg
Pyrene	1300		390	39	ug/Kg
Butylbenzylphthalate	< 39	U	390	39	ug/Kg
3,3'-Dichlorobenzidine	< 39	U	390	39	ug/Kg
Benzo(a)anthracene	390		390	39	ug/Kg
Chrysene	410		390	62	ug/Kg
bis(2-Ethylhexyl)phthalate	< 39	U	390	39	ug/Kg
Di-n-octyl phthalate	< 58	U	390	58	ug/Kg
Benzo(b)fluoranthene	200	J	390	39	ug/Kg
Benzo(k)fluoranthene	300	J	390	100	ug/Kg
Benzo(a)pyrene	110	J	390	58	ug/Kg
Indeno(1,2,3-cd)pyrene	< 62	U	390	62	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09

Client ID: BS-88-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002193.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 58	U U 3	390	58	ug/Kg
Benzo(g,h,i)perylene	< 50	U L	390	50	ug/Kg
SURROGATES					
2-Fluorophenol	187.58	63 %	25 - 121		SPK: 300
Phenol-d5	197.75	66 %	24 - 113		SPK: 300
Nitrobenzene-d5	141.94	71 %	23 - 120		SPK: 200
Fluorobiphenyl	104.54	52 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	126.41	42 %	19 - 122		SPK: 300
Terphenyl-d14	366.13	183 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	109827	4.56
Naphthalene-d8	428985	6.99
Acenaphthene-d10	317876	10.95
Phenanthrene-d10	248127	14.43
Chrysene-d12	112368	20.41
Perylene-d12	119303	23.39

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	850	J	1.78	ug/Kg
ACP	700	A	2.05	ug/Kg
ACP	13000	A	2.39	ug/Kg
Unknown	1100	J	3.25	ug/Kg
Hexanoic acid	390	J	4.73	ug/Kg
Unknown	260	J	8.72	ug/Kg
Unknown	170	J	8.74	ug/Kg
Decahydro-4,4,8,9,10-pentamethyl	210	J	10.25	ug/Kg
Benzeneacetonitrile, alpha-phenyl	260	J	10.27	ug/Kg
1,4-cyclohexanediol, 4-methyl-, c	210	J	10.73	ug/Kg
Cyclopentane, 1,1-[3-(2-cyclopentyl)]	180	J	10.75	ug/Kg
Unknown	170	J	11.80	ug/Kg
Unknown	170	J	11.82	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09

Client ID: BS-88-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002193.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Unknown	210	J	22.92		ug/Kg
5.alpha.,8.alpha.,14.beta.-Cholestan	170	J	22.94		ug/Kg
2-Ethoxy-1-methyl-6-oxo-1,2-azap.	490	J	23.16		ug/Kg
Unknown	390	J	23.51		ug/Kg
Unknown	200	J	24.00		ug/Kg
28-Nor-17.alpha.(H)-hopane	770	J	24.23		ug/Kg
9,13-Pentadecatrien-2-one, 6,10,1	340	J	24.74		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09RE

Client ID: BS-88-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000793.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 39	U	390	39	ug/Kg
bis(2-Chloroethyl)ether	< 46	U	390	46	ug/Kg
2-Chlorophenol	< 43	U	390	43	ug/Kg
1,2-Dichlorobenzene	< 39	U	390	39	ug/Kg
1,3-Dichlorobenzene	< 46	U	390	46	ug/Kg
1,4-Dichlorobenzene	< 39	U	390	39	ug/Kg
4-Methylphenol	< 39	U	390	39	ug/Kg
2,2'-oxybis(1-chloropropane)	< 39	U	390	39	ug/Kg
3+4-Methylphenols	< 70	U	390	70	ug/Kg
N-Nitroso-di-n-propylamine	< 39	U	390	39	ug/Kg
Hexachloroethane	< 43	U	390	43	ug/Kg
Nitrobenzene	< 39	U	390	39	ug/Kg
Isophorone	< 39	U	390	39	ug/Kg
2-Nitrophenol	< 43	U	390	43	ug/Kg
2,4-Dimethylphenol	< 89	U	390	89	ug/Kg
bis(2-Chloroethoxy)methane	< 39	U	390	39	ug/Kg
2,4-Dichlorophenol	< 50	U	390	50	ug/Kg
1,2,4-Trichlorobenzene	< 46	U	390	46	ug/Kg
Naphthalene	< 46	U	390	46	ug/Kg
4-Chloroaniline	< 46	U	390	46	ug/Kg
Hexachlorobutadiene	< 58	U	390	58	ug/Kg
4-Chloro-3-methylphenol	< 43	U	390	43	ug/Kg
2-Methylnaphthalene	< 46	U	390	46	ug/Kg
Hexachlorocyclopentadiene	< 150	U	390	150	ug/Kg
2,4,6-Trichlorophenol	< 39	U	390	39	ug/Kg
2,4,5-Trichlorophenol	< 39	U	970	39	ug/Kg
2-Chloronaphthalene	< 46	U	390	46	ug/Kg
Nitroaniline	< 39	U	970	39	ug/Kg
1-methylphthalate	< 39	U	390	39	ug/Kg
Acenaphthylene	< 46	U	390	46	ug/Kg
2,6-Dinitrotoluene	< 39	U	390	39	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09RE

Client ID: BS-88-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000793.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 46	U	970	46	ug/Kg
Acenaphthene	< 46	U	390	46	ug/Kg
2,4-Dinitrophenol	< 77	U	970	77	ug/Kg
4-Nitrophenol	< 43	U	970	43	ug/Kg
Dibenzofuran	< 39	U	390	39	ug/Kg
2,4-Dinitrotoluene	< 43	U	390	43	ug/Kg
thylphthalate	< 39	U	390	39	ug/Kg
Chlorophenyl-phenylether	< 46	U	390	46	ug/Kg
Fluorene	< 43	U	390	43	ug/Kg
4-Nitroaniline	< 93	U	970	93	ug/Kg
4,6-Dinitro-2-methylphenol	< 46	U	970	46	ug/Kg
N-Nitrosodiphenylamine	< 77	U	390	77	ug/Kg
4-Bromophenyl-phenylether	< 50	U	390	50	ug/Kg
Hexachlorobenzene	< 43	U	390	43	ug/Kg
Pentachlorophenol	< 74	U	970	74	ug/Kg
Phenanthrene	< 39	U	390	39	ug/Kg
Anthracene	< 50	U	390	50	ug/Kg
Carbazole	< 16	U	390	16	ug/Kg
Di-n-butylphthalate	< 46	U	390	46	ug/Kg
Fluoranthene	660		390	39	ug/Kg
Pyrene	360	J	390	39	ug/Kg
Butylbenzylphthalate	< 39	U	390	39	ug/Kg
3,3'-Dichlorobenzidine	< 39	U	390	39	ug/Kg
Benzo(a)anthracene	250	J	390	39	ug/Kg
Chrysene	380	J	390	62	ug/Kg
bis(2-Ethylhexyl)phthalate	< 39	U	390	39	ug/Kg
Di-n-octyl phthalate	< 58	U	390	58	ug/Kg
Pero(b)fluoranthene	520		390	39	ug/Kg
Pero(k)fluoranthene	480		390	100	ug/Kg
Benzo(a)pyrene	140	J	390	58	ug/Kg
Indeno(1,2,3-cd)pyrene	< 62	U	390	62	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09RE

Client ID: BS-88-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000793.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 17

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 58	U	390	58	ug/Kg
Benzo(g,h,i)perylene	< 50	U	390	50	ug/Kg
SURROGATES					
2-Fluorophenol	173.11	58 %	25 - 121		SPK: 300
Phenol-d5	184.54	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	125.26	63 %	23 - 120		SPK: 200
fluorobiphenyl	307.72	154 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	420.52	140 %	19 - 122		SPK: 300
Terphenyl-d14	181.68	91 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	24559	6.10
Naphthalene-d8	108469	7.99
Acenaphthene-d10	12864	9.86
Phenanthrene-d10	19972	11.28
Chrysene-d12	31848	14.18
Perylene-d12	9511	16.53

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10

Client ID: BS-90-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002204.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
2,4-Dimethylphenol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 60	U	340	60	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 77	U	340	77	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 50	U	340	50	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	840	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 34	U	340	34	ug/Kg
2,4-Dimethylphenol	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10

Client ID: BS-90-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002204.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	840	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 67	U	840	67	ug/Kg
4-Nitrophenol	< 37	U	840	37	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
4-Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 37	U	340	37	ug/Kg
4-Nitroaniline	< 81	U	840	81	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	840	40	ug/Kg
N-Nitrosodiphenylamine	< 67	U	340	67	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 64	U	840	64	ug/Kg
Phenanthrene	340		340	34	ug/Kg
Anthracene	74	J	340	44	ug/Kg
Carbazole	52	J	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	720		340	34	ug/Kg
Pyrene	2000	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	450	J	340	34	ug/Kg
Chrysene	360	J	340	54	ug/Kg
bis(2-Ethylhexyl)phthalate	< 34	U	340	34	ug/Kg
Di-n-octyl phthalate	< 50	U	340	50	ug/Kg
Benzo(b)fluoranthene	940	J	340	34	ug/Kg
Benzo(k)fluoranthene	230	J	340	87	ug/Kg
Benzo(a)pyrene	300	J	340	50	ug/Kg
Indeno(1,2,3-cd)pyrene	< 54	U	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10

Client ID: BS-90-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002204.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U 05	340	51	ug/Kg
Benzo(g,h,i)perylene	< 44	U 4	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	35.48	12 %	25 - 121		SPK: 300
Phenol-d5	141.49	47 %	24 - 113		SPK: 300
Nitrobenzene-d5	113.09	57 %	23 - 120		SPK: 200
luorobiphenyl	120.06	60 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	61.46	20 %	19 - 122		SPK: 300
Terphenyl-d14	872.3	436 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	119308	4.57
Naphthalene-d8	477940	6.99
Acenaphthene-d10	254893	10.82
Phenanthrene-d10	439403	14.13
Chrysene-d12	140504	20.17
Perylene-d12	14090	23.22

TENTITIVE IDENTIFIED COMPOUNDS

ACP	5500	A	2.70	ug/Kg
ACP	680	A	3.35	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10RE

Client ID: BS-90-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000768.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
o-cresol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 60	U	340	60	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 77	U	340	77	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 50	U	340	50	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	840	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
Nitroaniline	< 34	U	840	34	ug/Kg
Dimethylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10RE

Client ID: BS-90-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000768.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Vol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	840	40	ug/Kg
Acenaphthene	83	J	340	40	ug/Kg
2,4-Dinitrophenol	< 67	U	840	67	ug/Kg
4-Nitrophenol	< 37	U	840	37	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
thylphthalate	< 34	U	340	34	ug/Kg
Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	50	J	340	37	ug/Kg
4-Nitroaniline	< 81	U	840	81	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	840	40	ug/Kg
N-Nitrosodiphenylamine	< 67	U	340	67	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 64	U	840	64	ug/Kg
Phenanthrene	530		340	34	ug/Kg
Anthracene	140	J	340	44	ug/Kg
Carbazole	100	J	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	610		340	34	ug/Kg
Pyrene	1500		340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	590		340	34	ug/Kg
Chrysene	620		340	54	ug/Kg
bis(2-Ethylhexyl)phthalate	< 34	U	340	34	ug/Kg
Di-n-octyl phthalate	< 50	U	340	50	ug/Kg
Pero(b)fluoranthene	760		340	34	ug/Kg
Benzo(k)fluoranthene	600		340	87	ug/Kg
Benzo(a)pyrene	490		340	50	ug/Kg
Indeno(1,2,3-cd)pyrene	56	J	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10RE

Client ID: BS-90-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000768.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	160	J	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	29.27	10 %	25 - 121		SPK: 300
Phenol-d5	127.92	43 %	24 - 113		SPK: 300
1,4-Dibromobenzene-d5	170.11	85 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	59.05	30 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	22.1	7 %	19 - 122		SPK: 300
Terphenyl-d14	109.83	55 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	62282	6.17			
Naphthalene-d8	246316	8.02			
Acenaphthene-d10	133901	9.86			
Phenanthrene-d10	208590	11.25			
Chrysene-d12	68488	14.04			
Perylene-d12	20099	16.38			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11

Client ID: BS-94-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002187.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 67	U	670	67	ug/Kg
bis(2-Chloroethyl)ether	< 79	U	670	79	ug/Kg
2-Chlorophenol	< 74	U	670	74	ug/Kg
1,2-Dichlorobenzene	< 67	U	670	67	ug/Kg
1,3-Dichlorobenzene	< 79	U	670	79	ug/Kg
1,4-Dichlorobenzene	< 67	U	670	67	ug/Kg
m-Methylphenol	< 67	U	670	67	ug/Kg
2'-oxybis(1-chloropropane)	< 67	U	670	67	ug/Kg
3+4-Methylphenols	< 120	U	670	120	ug/Kg
N-Nitroso-di-n-propylamine	< 67	U	670	67	ug/Kg
Hexachloroethane	< 74	U	670	74	ug/Kg
Nitrobenzene	< 67	U	670	67	ug/Kg
Isophorone	< 67	U	670	67	ug/Kg
2-Nitrophenol	< 74	U	670	74	ug/Kg
2,4-Dimethylphenol	< 150	U	670	150	ug/Kg
bis(2-Chloroethoxy)methane	< 67	U	670	67	ug/Kg
2,4-Dichlorophenol	< 87	U	670	87	ug/Kg
1,2,4-Trichlorobenzene	< 79	U	670	79	ug/Kg
Naphthalene	< 79	U	670	79	ug/Kg
4-Chloroaniline	< 79	U	670	79	ug/Kg
Hexachlorobutadiene	< 100	U	670	100	ug/Kg
4-Chloro-3-methylphenol	< 74	U	670	74	ug/Kg
2-Methylnaphthalene	< 79	U	670	79	ug/Kg
Hexachlorocyclopentadiene	< 250	U	670	250	ug/Kg
2,4,6-Trichlorophenol	< 67	U	670	67	ug/Kg
2,4,5-Trichlorophenol	< 67	U	1700	67	ug/Kg
2-Chloronaphthalene	< 79	U	670	79	ug/Kg
2-Nitroaniline	< 67	U	1700	67	ug/Kg
m-methylphthalate	< 67	U	670	67	ug/Kg
Acenaphthylene	< 79	U	670	79	ug/Kg
2,6-Dinitrotoluene	< 67	U	670	67	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11

Client ID: BS-94-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002187.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 79	U	1700	79	ug/Kg
Acenaphthene	< 79	U	670	79	ug/Kg
2,4-Dinitrophenol	< 130	U	1700	130	ug/Kg
4-Nitrophenol	< 74	U	1700	74	ug/Kg
Dibenzofuran	< 67	U	670	67	ug/Kg
2,4-Dinitrotoluene	< 74	U	670	74	ug/Kg
Diethylphthalate	< 67	U	670	67	ug/Kg
Chlorophenyl-phenylether	< 79	U	670	79	ug/Kg
Fluorene	< 74	U	670	74	ug/Kg
4-Nitroaniline	< 160	U	1700	160	ug/Kg
4,6-Dinitro-2-methylphenol	< 79	U	1700	79	ug/Kg
N-Nitrosodiphenylamine	< 130	U	670	130	ug/Kg
4-Bromophenyl-phenylether	< 87	U	670	87	ug/Kg
Hexachlorobenzene	< 74	U	670	74	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	100	J	670	67	ug/Kg
Anthracene	< 87	U	670	87	ug/Kg
Carbazole	< 27	U	670	27	ug/Kg
Di-n-butylphthalate	< 79	U	670	79	ug/Kg
Fluoranthene	170	J	670	67	ug/Kg
Pyrene	520	J	670	67	ug/Kg
Butylbenzylphthalate	< 67	U	670	67	ug/Kg
3,3'-Dichlorobenzidine	< 67	U	670	67	ug/Kg
Benzo(a)anthracene	150	J	670	67	ug/Kg
Chrysene	< 110	U	670	110	ug/Kg
bis(2-Ethylhexyl)phthalate	140	JB	670	67	ug/Kg
Di-n-octyl phthalate	< 100	U	670	100	ug/Kg
Benzo(b)fluoranthene	520	J	670	67	ug/Kg
Benzo(k)fluoranthene	700	J	670	170	ug/Kg
Benzo(a)pyrene	< 100	U	670	100	ug/Kg
Indeno(1,2,3-cd)pyrene	< 110	U	670	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11

Client ID: BS-94-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002187.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 100	U	670	100	ug/Kg
Benzo(g,h,i)perylene	< 87	U	670	87	ug/Kg
SURROGATES					
2-Fluorophenol	73.65	49 %	25 - 121		SPK: 300
Phenol-d5	92.05	61 %	24 - 113		SPK: 300
Nitrobenzene-d5	61.55	62 %	23 - 120		SPK: 200
Fluorobiphenyl	67.68	68 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	39.11	26 %	19 - 122		SPK: 300
Terphenyl-d14	494.57	495 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	113722	4.56
Naphthalene-d8	477132	6.99
Acenaphthene-d10	225387	10.81
Phenanthrene-d10	410107	14.13
Chrysene-d12	117345	20.16
Perylene-d12	8542	23.20

TENTATIVE IDENTIFIED COMPOUNDS

ACP	1700	A	2.06	ug/Kg
ACP	6300	A	2.39	ug/Kg
ACP	2000	A	3.24	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11RE

Client ID: BS-94-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001770.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 67	U	670	67	ug/Kg
bis(2-Chloroethyl)ether	< 79	U	670	79	ug/Kg
2-Chlorophenol	< 74	U	670	74	ug/Kg
1,2-Dichlorobenzene	< 67	U	670	67	ug/Kg
1,3-Dichlorobenzene	< 79	U	670	79	ug/Kg
1,4-Dichlorobenzene	< 67	U	670	67	ug/Kg
2-Methylphenol	< 67	U	670	67	ug/Kg
2,2'-oxybis(1-chloropropane)	< 67	U	670	67	ug/Kg
3+4-Methylphenols	< 120	U	670	120	ug/Kg
N-Nitroso-di-n-propylamine	< 67	U	670	67	ug/Kg
Hexachloroethane	< 74	U	670	74	ug/Kg
Nitrobenzene	< 67	U	670	67	ug/Kg
Isophorone	< 67	U	670	67	ug/Kg
2-Nitrophenol	< 74	U	670	74	ug/Kg
2,4-Dimethylphenol	< 150	U	670	150	ug/Kg
bis(2-Chloroethoxy)methane	< 67	U	670	67	ug/Kg
2,4-Dichlorophenol	< 87	U	670	87	ug/Kg
1,2,4-Trichlorobenzene	< 79	U	670	79	ug/Kg
Naphthalene	< 79	U	670	79	ug/Kg
4-Chloroaniline	< 79	U	670	79	ug/Kg
Hexachlorobutadiene	< 100	U	670	100	ug/Kg
4-Chloro-3-methylphenol	< 74	U	670	74	ug/Kg
2-Methylnaphthalene	< 79	U	670	79	ug/Kg
Hexachlorocyclopentadiene	< 250	U	670	250	ug/Kg
2,4,6-Trichlorophenol	< 67	U	670	67	ug/Kg
2,4,5-Trichlorophenol	< 67	U	1700	67	ug/Kg
2-Chloronaphthalene	< 79	U	670	79	ug/Kg
2-Nitroaniline	< 67	U	1700	67	ug/Kg
Dimethylphthalate	< 67	U	670	67	ug/Kg
Acenaphthylene	< 79	U	670	79	ug/Kg
2,6-Dinitrotoluene	< 67	U	670	67	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11RE

Client ID: BS-94-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001770.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 79	U	1700	79	ug/Kg
Acenaphthene	< 79	U	670	79	ug/Kg
2,4-Dinitrophenol	< 130	U	1700	130	ug/Kg
4-Nitrophenol	< 74	U	1700	74	ug/Kg
Dibenzofuran	< 67	U	670	67	ug/Kg
2,4-Dinitrotoluene	< 74	U	670	74	ug/Kg
thylphthalate	< 67	U	670	67	ug/Kg
4-Chlorophenyl-phenylether	< 79	U	670	79	ug/Kg
Fluorene	< 74	U	670	74	ug/Kg
4-Nitroaniline	< 160	U	1700	160	ug/Kg
4,6-Dinitro-2-methylphenol	< 79	U	1700	79	ug/Kg
N-Nitrosodiphenylamine	< 130	U	670	130	ug/Kg
4-Bromophenyl-phenylether	< 87	U	670	87	ug/Kg
Hexachlorobenzene	< 74	U	670	74	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	190	J	670	67	ug/Kg
Anthracene	< 87	U	670	87	ug/Kg
Carbazole	< 27	U	670	27	ug/Kg
Di-n-butylphthalate	< 79	U	670	79	ug/Kg
Fluoranthene	330	J	670	67	ug/Kg
Pyrene	440	J	670	67	ug/Kg
Butylbenzylphthalate	< 67	U	670	67	ug/Kg
3,3'-Dichlorobenzidine	< 67	U	670	67	ug/Kg
Benzo(a)anthracene	240	J	670	67	ug/Kg
Chrysene	340	J	670	110	ug/Kg
bis(2-Ethylhexyl)phthalate	410	JB	670	67	ug/Kg
Di-n-octyl phthalate	< 100	U	670	100	ug/Kg
o(b)fluoranthene	600	J J	670	67	ug/Kg
Benzo(k)fluoranthene	200	J J	670	170	ug/Kg
Benzo(a)pyrene	420	J J	670	100	ug/Kg
Indeno(1,2,3-cd)pyrene	< 110	U JJ	670	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11RE

Client ID: BS-94-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001770.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 100	U U	670	100	ug/Kg
Benzo(g,h,i)perylene	200	J T	670	87	ug/Kg
SURROGATES					
2-Fluorophenol	63.16	42 %	25 - 121		SPK: 300
Phenol-d5	73.75	49 %	24 - 113		SPK: 300
Nitrobenzene-d5	55.96	56 %	23 - 120		SPK: 200
Fluorobiphenyl	67.13	67 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	43.41	29 %	19 - 122		SPK: 300
Terphenyl-d14	38.17	88 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	93948	8.18
Naphthalene-d8	302835	10.43
Acenaphthene-d10	175234	13.71
Phenanthrene-d10	235808	16.52
Chrysene-d12	187176	21.59
Perylene-d12	88338	25.50

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12

Client ID: BS-98-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002200.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 38	U	340	38	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
4-Ethylphenol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 38	U	340	38	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 38	U	340	38	ug/Kg
2,4-Dimethylphenol	< 79	U	340	79	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 38	U	340	38	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-Nitroaniline	< 34	U	860	34	ug/Kg
1,2-Dimethylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12

Client ID: BS-98-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002200.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 38	U	860	38	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 38	U	340	38	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 38	U	340	38	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 38	U	340	38	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	280	J	340	34	ug/Kg
Anthracene	54	J	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	420		340	34	ug/Kg
Pyrene	1100	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U UJ	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U U	340	34	ug/Kg
Benzo(a)anthracene	210	J J	340	34	ug/Kg
Chrysene	100	J	340	55	ug/Kg
bis(2-Ethylhexyl)phthalate	84	JB	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U UJ	340	51	ug/Kg
Benzo(b)fluoranthene	150	J J	340	34	ug/Kg
Benzo(k)fluoranthene	< 89	U UJ	340	89	ug/Kg
Benzo(a)pyrene	51	U	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	340	55	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12

Client ID: BS-98-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002200.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 52	UVS	340	52	ug/Kg
Benzo(g,h,i)perylene	< 44	U ↓	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	96.12	32 %	25 - 121		SPK: 300
Phenol-d5	139.66	47 %	24 - 113		SPK: 300
Nitrobenzene-d5	98.83	49 %	23 - 120		SPK: 200
Fluorobiphenyl	118.02	59 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	101.71	34 %	19 - 122		SPK: 300
Terphenyl-d14	862.5	431 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	140491	4.55
Naphthalene-d8	576317	7.00
Acenaphthene-d10	280753	10.81
Phenanthrene-d10	506507	14.13
Chrysene-d12	182138	20.18
Perylene-d12	37732	23.22

TENTATIVE IDENTIFIED COMPOUNDS

ACP	10000	A	2.54	ug/Kg
ACP	420	A	3.29	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12RE

Client ID: BS-98-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001330.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 38	U	340	38	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
1-ethylphenol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 38	U	340	38	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 38	U	340	38	ug/Kg
2,4-Dimethylphenol	< 79	U	340	79	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 38	U	340	38	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-nitroaniline	< 34	U	860	34	ug/Kg
1-methylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12RE

Client ID: BS-98-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001330.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 38	U	860	38	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 38	U	340	38	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
2-Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 38	U	340	38	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 38	U	340	38	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	130	J	340	34	ug/Kg
Anthracene	< 44	U	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	200	J	340	34	ug/Kg
Pyrene	210	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	150	J	340	34	ug/Kg
Chrysene	150	J	340	55	ug/Kg
bis(2-Ethylhexyl)phthalate	180	JB	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Benzo(b)fluoranthene	< 34	U	340	34	ug/Kg
Benzo(k)fluoranthene	< 89	U	340	89	ug/Kg
Benzo(a)pyrene	< 51	U	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	340	55	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12RE

Client ID: BS-98-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001330.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 52	U	340	52	ug/Kg
Benzo(g,h,i)perylene	< 44	U	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	109.22	36 %	25 - 121		SPK: 300
Phenol-d5	212.09	71 %	24 - 113		SPK: 300
Nitrobenzene-d5	123.17	62 %	23 - 120		SPK: 200
fluorobiphenyl	222.2	111 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	88.15	29 %	19 - 122		SPK: 300
Terphenyl-d14	612.68	306 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	83421	6.65			
Naphthalene-d8	329959	8.33			
Acenaphthene-d10	149297	10.18			
Phenanthrene-d10	134901	11.58			
Chrysene-d12	32175	14.34			
Perylene-d12	2893	17.01			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13

Client ID: BS-100-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002188.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 71	U	710	71	ug/Kg
bis(2-Chloroethyl)ether	< 84	U	710	84	ug/Kg
2-Chlorophenol	< 78	U	710	78	ug/Kg
1,2-Dichlorobenzene	< 71	U	710	71	ug/Kg
1,3-Dichlorobenzene	< 84	U	710	84	ug/Kg
1,4-Dichlorobenzene	< 71	U	710	71	ug/Kg
o-Methylphenol	< 71	U	710	71	ug/Kg
m-oxybis(1-chloropropane)	< 71	U	710	71	ug/Kg
3+4-Methylphenols	< 130	U	710	130	ug/Kg
N-Nitroso-di-n-propylamine	< 71	U	710	71	ug/Kg
Hexachloroethane	< 78	U	710	78	ug/Kg
Nitrobenzene	< 71	U	710	71	ug/Kg
Isophorone	< 71	U	710	71	ug/Kg
2-Nitrophenol	< 78	U	710	78	ug/Kg
2,4-Dimethylphenol	< 160	U	710	160	ug/Kg
bis(2-Chloroethoxy)methane	< 71	U	710	71	ug/Kg
2,4-Dichlorophenol	< 92	U	710	92	ug/Kg
1,2,4-Trichlorobenzene	< 84	U	710	84	ug/Kg
Naphthalene	< 84	U	710	84	ug/Kg
4-Chloroaniline	< 84	U	710	84	ug/Kg
Hexachlorobutadiene	< 110	U	710	110	ug/Kg
4-Chloro-3-methylphenol	< 78	U	710	78	ug/Kg
2-Methylnaphthalene	< 84	U	710	84	ug/Kg
Hexachlorocyclopentadiene	< 270	U	710	270	ug/Kg
2,4,6-Trichlorophenol	< 71	U	710	71	ug/Kg
2,4,5-Trichlorophenol	< 71	U	1300	71	ug/Kg
2-Chloronaphthalene	< 84	U	710	84	ug/Kg
2-Nitroaniline	< 71	U	1800	71	ug/Kg
methylphthalate	< 71	U	710	71	ug/Kg
Acenaphthylene	< 84	U	710	84	ug/Kg
2,6-Dinitrotoluene	< 71	U	710	71	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13

Client ID: BS-100-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002188.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 84	U	1800	84	ug/Kg
Acenaphthene	110	J	710	84	ug/Kg
2,4-Dinitrophenol	< 140	U	1800	140	ug/Kg
4-Nitrophenol	< 78	U	1800	78	ug/Kg
Dibenzofuran	< 71	U	710	71	ug/Kg
2,4-Dinitrotoluene	< 78	U	710	78	ug/Kg
Diethylphthalate	< 71	U	710	71	ug/Kg
4-Chlorophenyl-phenylether	< 84	U	710	84	ug/Kg
Fluorene	81	J	710	78	ug/Kg
4-Nitroaniline	< 170	U	1800	170	ug/Kg
4,6-Dinitro-2-methylphenol	< 84	U	1800	84	ug/Kg
N-Nitrosodiphenylamine	< 140	U	710	140	ug/Kg
4-Bromophenyl-phenylether	< 92	U	710	92	ug/Kg
Hexachlorobenzene	< 78	U	710	78	ug/Kg
Pentachlorophenol	< 130	U	1800	130	ug/Kg
Phenanthrene	920		710	71	ug/Kg
Anthracene	190	J	710	92	ug/Kg
Carbazole	130	J	710	29	ug/Kg
Di-n-butylphthalate	< 84	U	710	84	ug/Kg
Fluoranthene	1700		710	71	ug/Kg
Pyrene	3500		710	71	ug/Kg
Butylbenzylphthalate	< 71	U	710	71	ug/Kg
3,3'-Dichlorobenzidine	< 71	U	710	71	ug/Kg
Benzo(a)anthracene	780		710	71	ug/Kg
Chrysene	440	J	710	110	ug/Kg
bis(2-Ethylhexyl)phthalate	< 71	U	710	71	ug/Kg
Di-n-octyl phthalate	< 110	U	710	110	ug/Kg
Benzo(b)fluoranthene	1500		710	71	ug/Kg
Benzo(k)fluoranthene	640	J	710	180	ug/Kg
Benzo(a)pyrene	560	J	710	110	ug/Kg
Indeno(1,2,3-cd)pyrene	< 110	U	710	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13

Client ID: BS-100-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002133.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 110	U	710	110	ug/Kg
Benzo(g,h,i)perylene	< 92	U	710	92	ug/Kg
SURROGATES					
2-Fluorophenol	97.77	65 %	25 - 121		SPK: 300
Phenol-d5	104.87	70 %	24 - 113		SPK: 300
Nitrobenzene-d5	70.15	70 %	23 - 120		SPK: 200
Fluorobiphenyl	77.77	78 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	75.2	50 %	19 - 122		SPK: 300
Terphenyl-d14	377.94	378 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	119082	4.56
Naphtthalene-d8	471174	6.99
Acenaphthene-d10	228884	10.80
Phenanthrene-d10	406884	14.14
Chrysene-d12	159281	20.16
Perylene-d12	7784	23.19

TENTATIVE IDENTIFIED COMPOUNDS

ACP	1500	A	2.11	ug/Kg
ACP	3600	A	2.43	ug/Kg
Unknown	500	J	2.84	ug/Kg
ACP	1700	A	3.25	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13RE

Client ID:

BS-100-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000795.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 71	U	710	71	ug/Kg
bis(2-Chloroethyl)ether	< 84	U	710	84	ug/Kg
2-Chlorophenol	< 78	U	710	78	ug/Kg
1,2-Dichlorobenzene	< 71	U	710	71	ug/Kg
1,3-Dichlorobenzene	< 84	U	710	84	ug/Kg
1,4-Dichlorobenzene	< 71	U	710	71	ug/Kg
4-ethylphenol	< 71	U	710	71	ug/Kg
2,2'-oxybis(1-chloropropane)	< 71	U	710	71	ug/Kg
3+4-Methylphenols	< 130	U	710	130	ug/Kg
N-Nitroso-di-n-propylamine	< 71	U	710	71	ug/Kg
Hexachloroethane	< 78	U	710	78	ug/Kg
Nitrobenzene	< 71	U	710	71	ug/Kg
Isophorone	< 71	U	710	71	ug/Kg
2-Nitrophenol	< 78	U	710	78	ug/Kg
2,4-Dimethylphenol	< 160	U	710	160	ug/Kg
bis(2-Chloroethoxy)methane	< 71	U	710	71	ug/Kg
2,4-Dichlorophenol	< 92	U	710	92	ug/Kg
1,2,4-Trichlorobenzene	< 84	U	710	84	ug/Kg
Naphthalene	< 84	U	710	84	ug/Kg
4-Chloroaniline	< 84	U	710	84	ug/Kg
Hexachlorobutadiene	< 110	U	710	110	ug/Kg
4-Chloro-3-methylphenol	< 78	U	710	78	ug/Kg
2-Methylnaphthalene	< 84	U	710	84	ug/Kg
Hexachlorocyclopentadiene	< 270	U	710	270	ug/Kg
2,4,6-Trichlorophenol	< 71	U	710	71	ug/Kg
2,4,5-Trichlorophenol	< 71	U	1800	71	ug/Kg
2-Chloronaphthalene	< 84	U	710	84	ug/Kg
Nitroaniline	< 71	U	1800	71	ug/Kg
Dimethylphthalate	< 71	U	710	71	ug/Kg
Acenaphthylene	< 84	U	710	84	ug/Kg
2,6-Dinitrotoluene	< 71	U	710	71	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13RE

Client ID: BS-100-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000795.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 84	U	1800	84	ug/Kg
Acenaphthene	150	J	710	84	ug/Kg
2,4-Dinitrophenol	< 140	U	1800	140	ug/Kg
4-Nitrophenol	< 78	U	1800	78	ug/Kg
Dibenzofuran	< 71	U	710	71	ug/Kg
2,4-Dinitrotoluene	< 78	U	710	78	ug/Kg
thylphthalate	< 71	U	710	71	ug/Kg
Chlorophenyl-phenylether	< 84	U	710	84	ug/Kg
Fluorene	120	J	710	78	ug/Kg
4-Nitroaniline	< 170	U	1800	170	ug/Kg
4,6-Dinitro-2-methylphenol	< 84	U	1800	84	ug/Kg
N-Nitrosodiphenylamine	< 140	U	710	140	ug/Kg
4-Bromophenyl-phenylether	< 92	U	710	92	ug/Kg
Hexachlorobenzene	< 78	U	710	78	ug/Kg
Pentachlorophenol	< 130	U	1800	130	ug/Kg
Phenanthrene	1200		710	71	ug/Kg
Anthracene	310	J	710	92	ug/Kg
Carbazole	190	J	710	29	ug/Kg
Di-n-butylphthalate	< 84	U	710	84	ug/Kg
Fluoranthene	1800		710	71	ug/Kg
Pyrene	1900		710	71	ug/Kg
Butylbenzylphthalate	< 71	U	710	71	ug/Kg
3,3'-Dichlorobenzidine	< 71	U	710	71	ug/Kg
Benzo(a)anthracene	1100		710	71	ug/Kg
Chrysene	1100		710	110	ug/Kg
bis(2-Ethylhexyl)phthalate	130	JB	710	71	ug/Kg
Di-n-octyl phthalate	< 110	U	710	110	ug/Kg
Benzo(b)fluoranthene	890		710	71	ug/Kg
Benzo(k)fluoranthene	1100		710	180	ug/Kg
Benzo(a)pyrene	1000		710	110	ug/Kg
Indeno(1,2,3-cd)pyrene	280	J	710	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13RE

Client ID: BS-100-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000795.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 110	U	710	110	ug/Kg
Benzo(g,h,i)perylene	380	J	710	92	ug/Kg
SURROGATES					
2-Fluorophenol	73.47	49 %	25 - 121		SPK: 300
Phenol-d5	101.74	68 %	24 - 113		SPK: 300
Nitrobenzene-d5	60.52	61 %	23 - 120		SPK: 200
Fluorobiphenyl	73.11	73 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	60.35	40 %	19 - 122		SPK: 300
Terphenyl-d14	63.77	64 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	32445	6.10			
Naphthalene-d8	156070	7.99			
Acenaphthene-d10	70086	9.84			
Phenanthrene-d10	125938	11.23			
Chrysene-d12	119105	14.02			
Perylene-d12	81136	16.34			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14

Client ID: BS-104-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002167.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
Methylphenol	< 180	U	1800	180	ug/Kg
2,2'-oxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 410	U	1800	410	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	340	J	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 680	U	1800	680	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
Nitroaniline	< 180	U	4500	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14

Client ID: BS-104-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002167.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	1300	J	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	530	J	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	1200	J	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	13000		1800	180	ug/Kg
Anthracene	3200		1800	230	ug/Kg
Carbazole	2000		1800	73	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	24000 9100	E	1800	180	ug/Kg
Pyrene	28000 12000	E	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	12000		1800	180	ug/Kg
Chrysene	12000		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	84000 9100	E J	1800	180	ug/Kg
Benzo(k)fluoranthene	19000 12000	E J	1800	460	ug/Kg
Benzo(a)pyrene	33000 9600	E J	1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U J	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14

Client ID: BS-104-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002167.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: P3097SP

Sample Wt/Vol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U 05	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	U 1	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	40.59	68 %	25 - 121		SPK: 300
Phenol-d5	42.32	71 %	24 - 113		SPK: 300
Nitrobenzene-d5	27.55	69 %	23 - 120		SPK: 200
1,1'-Biphenyl	28.57	71 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	40.2	67 %	19 - 122		SPK: 300
Terphenyl-d14	70.1	175 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	120992	4.58
Naphthalene-d8	502183	7.03
Acenaphthene-d10	259676	10.86
Phenanthrene-d10	458091	14.17
Chrysene-d12	329537	20.24
Perylene-d12	16384	23.27

TENTATIVE IDENTIFIED COMPOUNDS

ACP	1500	A	2.04	ug/Kg
ACP	27000	A	2.31	ug/Kg
ACP	1900	A	3.26	ug/Kg
4H-Cyclopenta[def]phenanthrene	590	J	15.56	ug/Kg
Pyrene, 2-methyl-	760	J	18.25	ug/Kg
Pyrene, 4-methyl-	510	J	18.45	ug/Kg
7H-Benz[de]anthracen-7-one	490	J	19.46	ug/Kg
3,4-Dihydrocyclopenta(cd)pyrene (	360	J	20.45	ug/Kg
Benzo[e]pyrene	1800	J	23.05	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14DL

Client ID: BS-104-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001213.D

Dilution: 25

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 890	U	8900	890	ug/Kg
bis(2-Chloroethyl)ether	< 1100	U	8900	1100	ug/Kg
2-Chlorophenol	< 980	U	8900	980	ug/Kg
1,2-Dichlorobenzene	< 890	U	8900	890	ug/Kg
1,3-Dichlorobenzene	< 1100	U	8900	1100	ug/Kg
1,4-Dichlorobenzene	< 890	U	8900	890	ug/Kg
4-ethylphenol	< 890	U	8900	890	ug/Kg
2,2'-oxybis(1-chloropropane)	< 890	U	8900	890	ug/Kg
3+4-Methylphenols	< 1600	U	8900	1600	ug/Kg
N-Nitroso-di-n-propylamine	< 890	U	8900	890	ug/Kg
Hexachloroethane	< 980	U	8900	980	ug/Kg
Nitrobenzene	< 890	U	8900	890	ug/Kg
Isophorone	< 890	U	8900	890	ug/Kg
2-Nitrophenol	< 980	U	8900	980	ug/Kg
2,4-Dimethylphenol	< 2100	U	8900	2100	ug/Kg
bis(2-Chloroethoxy)methane	< 890	U	8900	890	ug/Kg
2,4-Dichlorophenol	< 1200	U	8900	1200	ug/Kg
1,2,4-Trichlorobenzene	< 1100	U	8900	1100	ug/Kg
Naphthalene	< 1100	U	8900	1100	ug/Kg
4-Chloroaniline	< 1100	U	8900	1100	ug/Kg
Hexachlorobutadiene	< 1300	U	8900	1300	ug/Kg
4-Chloro-3-methylphenol	< 980	U	8900	980	ug/Kg
2-Methylnaphthalene	< 1100	U	8900	1100	ug/Kg
Hexachlorocyclopentadiene	< 3400	U	8900	3400	ug/Kg
2,4,6-Trichlorophenol	< 890	U	8900	890	ug/Kg
2,4,5-Trichlorophenol	< 890	U	22000	890	ug/Kg
2-Chloronaphthalene	< 1100	U	8900	1100	ug/Kg
troaniline	< 890	U	22000	890	ug/Kg
Dimethylphthalate	< 890	U	8900	890	ug/Kg
Acenaphthylene	< 1100	U	8900	1100	ug/Kg
2,6-Dinitrotoluene	< 890	U	8900	890	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14DL

Client ID: BS-104-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001213.D

Dilution: 25

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 1100	U	22000	1100	ug/Kg
Acenaphthene	< 1100	U	3900	1100	ug/Kg
2,4-Dinitrophenol	< 1800	U	22000	1800	ug/Kg
4-Nitrophenol	< 980	U	22000	980	ug/Kg
Dibenzofuran	< 890	U	8900	890	ug/Kg
2,4-Dinitrotoluene	< 980	U	8900	980	ug/Kg
Diethylphthalate	< 890	U	8900	890	ug/Kg
4-Chlorophenyl-phenylether	< 1100	U	8900	1100	ug/Kg
Fluorene	< 980	U	8900	980	ug/Kg
4-Nitroaniline	< 2100	U	22000	2100	ug/Kg
4,6-Dinitro-2-methylphenol	< 1100	U	22000	1100	ug/Kg
N-Nitrosodiphenylamine	< 1800	U	8900	1800	ug/Kg
4-Bromophenyl-phenylether	< 1200	U	8900	1200	ug/Kg
Hexachlorobenzene	< 980	U	8900	980	ug/Kg
Pentachlorophenol	< 1700	U	22000	1700	ug/Kg
Phenanthrene	11000	D	8900	890	ug/Kg
Anthracene	1700	JD	8900	1200	ug/Kg
Carbazole	1200	JD	8900	360	ug/Kg
Di-n-butylphthalate	< 1100	U	8900	1100	ug/Kg
Fluoranthene	24000	D	8900	890	ug/Kg
Pyrene	13000	D	8900	890	ug/Kg
Butylbenzylphthalate	< 890	U	8900	890	ug/Kg
3,3'-Dichlorobenzidine	< 890	U	8900	890	ug/Kg
Benzo(a)anthracene	9500	D	8900	890	ug/Kg
Chrysene	8900	JD	8900	1400	ug/Kg
bis(2-Ethylhexyl)phthalate	< 890	U	8900	890	ug/Kg
Di-n-octyl phthalate	< 1300	U	8900	1300	ug/Kg
Benzo(b)fluoranthene	9100	D	8900	890	ug/Kg
Benzo(k)fluoranthene	12000	D	8900	2300	ug/Kg
Benzo(a)pyrene	9600	D	8900	1500	ug/Kg
Indeno(1,2,3-cd)pyrene	2300	JD	8900	1400	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14DL

Client ID: BS-104-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001213.D

Dilution: 25

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 1300	U	8900	1300	ug/Kg
Benzo(g,h,i)perylene	< 1200	U	8900	1200	ug/Kg
SURROGATES					
2-Fluorophenol	6.76	56 %	25 - 121		SPK: 300
Phenol-d5	6.91	58 %	24 - 113		SPK: 300
Nitrobenzene-d5	4.91	61 %	23 - 120		SPK: 200
2-Fluorobiphenyl	3.28	41 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	3.02	25 %	19 - 122		SPK: 300
Terphenyl-d14	4.31	54 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	145970	6.74			
Naphthalene-d8	564442	8.42			
Acenaphthene-d10	361058	10.28			
Phenanthrene-d10	557374	11.70			
Chrysene-d12	169702	14.57			
Perylene-d12	33385	17.39			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15

Client ID: BS-108-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002194.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	360	42	ug/Kg
2-Chlorophenol	< 39	U	360	39	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 42	U	360	42	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
2,4-Dimethylphenol	< 36	U	360	36	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 65	U	360	65	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 39	U	360	39	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 39	U	360	39	ug/Kg
2,4-Dimethylphenol	< 82	U	360	82	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	360	42	ug/Kg
Naphthalene	< 42	U	360	42	ug/Kg
4-Chloroaniline	< 42	U	360	42	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 39	U	360	39	ug/Kg
2-Methylnaphthalene	< 42	U	360	42	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 42	U	360	42	ug/Kg
2-Chloroaniline	< 36	U	900	36	ug/Kg
Dimethylnaphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 42	U	360	42	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15

Client ID: BS-108-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002194.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 42	U	900	42	ug/Kg
Acenaphthene	59	J	360	42	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 39	U	900	39	ug/Kg
Dibenzofuran	< 36	U	360	36	ug/Kg
2,4-Dinitrotoluene	< 39	U	360	39	ug/Kg
Diethylphthalate	< 36	U	360	36	ug/Kg
2-Chlorophenyl-phenylether	< 42	U	360	42	ug/Kg
Fluorene	52	J	360	39	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	900	42	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 39	U	360	39	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	560		360	36	ug/Kg
Anthracene	110	J	360	47	ug/Kg
Carbazole	51	J	360	15	ug/Kg
Di-n-butylphthalate	< 42	U	360	42	ug/Kg
Fluoranthene	560		360	36	ug/Kg
Pyrene	770		360	36	ug/Kg
Butylbenzylphthalate	< 36	U	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	390		360	36	ug/Kg
Chrysene	410		360	57	ug/Kg
bis(2-Ethylhexyl)phthalate	130	JB	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	1300	J	360	36	ug/Kg
Benzo(k)fluoranthene	450	J	360	93	ug/Kg
Benzo(a)pyrene	340	J	360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	< 57	U	360	57	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15

Client ID: BS-108-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002194.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 54	U 03	360	54	ug/Kg
Benzo(g,h,i)perylene	< 47	U 4	360	47	ug/Kg
SURROGATES					
2-Fluorophenol	204.62	68 %	25 - 121		SPK: 300
Phenol-d5	195.78	65 %	24 - 113		SPK: 300
Nitrobenzene-d5	143.23	72 %	23 - 120		SPK: 200
luorobiphenyl	153.71	77 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	216.3	72 %	19 - 122		SPK: 300
Terphenyl-d14	513.72	257 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	117507	4.56
Naphthalene-d8	478970	6.99
Acenaphthene-d10	252341	10.82
Phenanthrene-d10	411447	14.14
Chrysene-d12	267792	20.19
Perylene-d12	53134	23.26

TENTITIVE IDENTIFIED COMPOUNDS

Hexanal	770	J	1.80	ug/Kg
ACP	840	A	2.07	ug/Kg
ACP	15000	A	2.41	ug/Kg
Unknown	460	J	2.86	ug/Kg
ACP	1300	A	3.27	ug/Kg
Hexadecanoic acid	530	J	15.86	ug/Kg
Pentacosane	200	J	19.77	ug/Kg
Unknown	170	J	20.80	ug/Kg
Hexatriacontane	260	J	20.99	ug/Kg
adecane	600	J	21.22	ug/Kg
2-Ethyl-1-dodecanol	220	J	21.51	ug/Kg
Cyclopentane, (4-octyldecyl)-	380	J	21.71	ug/Kg
Tritetracontane	2000	J	21.92	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15

Client ID: BS-108-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002194.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Unknown	480	J	22.08		ug/Kg
Unknown	940	J	22.12		ug/Kg
Eicosane	360	J	22.39		ug/Kg
Decane, 2-methyl-	1100	J	23.05		ug/Kg
8-Bromo-1-octene	400	J	23.32		ug/Kg
Dodecane, 1-bromo-	540	J	23.65		ug/Kg
osane, 10-methyl-	340	J	23.84		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15RE

Client ID: BS-108-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000792.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	360	42	ug/Kg
2-Chlorophenol	< 39	U	360	39	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 42	U	360	42	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
4-ethylphenol	< 36	U	360	36	ug/Kg
2,2'-oxybis(1-chloropropane)	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 65	U	360	65	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 39	U	360	39	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 39	U	360	39	ug/Kg
2,4-Dimethylphenol	< 82	U	360	82	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	360	42	ug/Kg
Naphthalene	< 42	U	360	42	ug/Kg
4-Chloroaniline	< 42	U	360	42	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 39	U	360	39	ug/Kg
2-Methylnaphthalene	< 42	U	360	42	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 42	U	360	42	ug/Kg
Nitroaniline	< 36	U	900	36	ug/Kg
2-Methylphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 42	U	360	42	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15RE

Client ID: BS-108-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000792.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 42	U	900	42	ug/Kg
Acenaphthene	79	J	360	42	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 39	U	900	39	ug/Kg
Dibenzofuran	40	J	360	36	ug/Kg
2,4-Dinitrotoluene	< 39	U	360	39	ug/Kg
Diethylphthalate	< 36	U	360	36	ug/Kg
1-Chlorophenyl-phenylether	< 42	U	360	42	ug/Kg
Fluorene	77	J	360	39	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	900	42	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 39	U	360	39	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	690		360	36	ug/Kg
Anthracene	200	J	360	47	ug/Kg
Carbazole	98	J	360	15	ug/Kg
Di-n-butylphthalate	< 42	U	360	42	ug/Kg
Fluoranthene	880		360	36	ug/Kg
Pyrene	2000		360	36	ug/Kg
Butylbenzylphthalate	< 36	U	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	590		360	36	ug/Kg
Chrysene	650		360	57	ug/Kg
bis(2-Ethylhexyl)phthalate	200	JB	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	490		360	36	ug/Kg
Benzo(k)fluoranthene	510		360	93	ug/Kg
Benzo(a)pyrene	510		360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	410		360	57	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15RE

Client ID: BS-108-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000792.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 54	U	360	54	ug/Kg
Benzo(g,h,i)perylene	320	J	360	47	ug/Kg
SURROGATES					
2-Fluorophenol	167.99	56 %	25 - 121		SPK: 300
Phenol-d5	190.46	63 %	24 - 113		SPK: 300
Nitrobenzene-d5	126.81	63 %	23 - 120		SPK: 200
luorobiphenyl	121.4	61 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	117.6	39 %	19 - 122		SPK: 300
Terphenyl-d14	161.83	81 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	24641	6.10			
Naphthalene-d8	116438	7.99			
Acenaphthene-d10	50101	9.85			
Phenanthrene-d10	86333	11.24			
Chrysene-d12	39537	14.06			
Perylene-d12	42334	16.42			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16

Client ID: BS-110-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002201.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
1-ethylphenol	< 34	U	340	34	ug/Kg
1,2-dichloro-2-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	850	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-Nitroaniline	< 34	U	850	34	ug/Kg
1-methylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16

Client ID: BS-110-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002201.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	850	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	850	68	ug/Kg
4-Nitrophenol	< 37	U	850	37	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
Methylphthalate	< 34	U	340	34	ug/Kg
Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 37	U	340	37	ug/Kg
4-Nitroaniline	< 81	U	850	81	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	850	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 64	U	850	64	ug/Kg
Phenanthrene	57	J	340	34	ug/Kg
Anthracene	< 44	U	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	68	J	340	34	ug/Kg
Pyrene	190	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	47	J	340	34	ug/Kg
Chrysene	< 54	U	340	54	ug/Kg
bis(2-Ethylhexyl)phthalate	< 34	U	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Benzo(b)fluoranthene	790	J	340	34	ug/Kg
Benzo(k)fluoranthene	670	J	340	88	ug/Kg
Benzo(a)pyrene	< 51	U	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 54	U	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16

Client ID: BS-110-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002201.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U ~~U~~	340	51	ug/Kg
Benzo(g,h,i)perylene	< 44	U ~~U~~	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	175.45	58 %	25 - 121		SPK: 300
Phenol-d5	152.47	51 %	24 - 113		SPK: 300
Nitrobenzene-d5	105.34	53 %	23 - 120		SPK: 200
Fluorobiphenyl	108.62	54 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	170.48	57 %	19 - 122		SPK: 300
Terphenyl-d14	898.95	449 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	123226	4.54			
Naphthalene-d8	504143	6.99			
Acenaphthene-d10	264669	10.81			
Phenanthrene-d10	453076	14.13			
Chrysene-d12	127512	20.17			
Perylene-d12	22290	23.21			
TENTATIVE IDENTIFIED COMPOUNDS					
Hexanal	480	J	1.80		ug/Kg
ACP	490	A	2.04		ug/Kg
ACP	9300	A	2.35		ug/Kg
Unknown	200	J	2.85		ug/Kg
ACP	710	A	3.24		ug/Kg
Hexadecanoic acid	310	J	15.85		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16RE

Client ID: BS-110-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001331.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
4-Ethylphenol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	850	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-Troaniline	< 34	U	850	34	ug/Kg
Dimethylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16RE

Client ID: BS-110-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001331.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	850	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	850	68	ug/Kg
4-Nitrophenol	< 37	U	850	37	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
thylphthalate	< 34	U	340	34	ug/Kg
Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 37	U	340	37	ug/Kg
4-Nitroaniline	< 81	U	850	81	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	850	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 64	U	850	64	ug/Kg
Phenanthrene	< 34	U	340	34	ug/Kg
Anthracene	< 44	U	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	< 34	U	340	34	ug/Kg
Pyrene	< 34	U	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	< 34	U	340	34	ug/Kg
Chrysene	< 54	U	340	54	ug/Kg
bis(2-Ethylhexyl)phthalate	42	JB	340	34	ug/Kg
Di-n-octyl phthalate	1100		340	51	ug/Kg
zo(b)fluoranthene	< 34	U	340	34	ug/Kg
zo(k)fluoranthene	< 88	U	340	88	ug/Kg
Benzo(a)pyrene	< 51	U	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 54	U	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16RE

Client ID: BS-110-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001331.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	< 44	U	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	255.65	85 %	25 - 121		SPK: 300
Phenol-d5	232.77	78 %	24 - 113		SPK: 300
Nitrobenzene-d5	123.67	62 %	23 - 120		SPK: 200
Fluorobiphenyl	199.51	100 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	287.8	96 %	19 - 122		SPK: 300
Terphenyl-d14	620.28	310 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	76303	6.65			
Naphthalene-d8	308084	8.33			
Acenaphthene-d10	130255	10.19			
Phenanthrene-d10	119737	11.58			
Chrysene-d12	19025	14.35			
Perylene-d12	2302	17.04			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17

Client ID: BS-114-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002192.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 74	U	740	74	ug/Kg
bis(2-Chloroethyl)ether	< 87	U	740	87	ug/Kg
2-Chlorophenol	< 81	U	740	81	ug/Kg
1,2-Dichlorobenzene	< 74	U	740	74	ug/Kg
1,3-Dichlorobenzene	< 87	U	740	87	ug/Kg
1,4-Dichlorobenzene	< 74	U	740	74	ug/Kg
4-Methylphenol	< 74	U	740	74	ug/Kg
1,2-ethoxybis(1-chloropropane)	< 74	U	740	74	ug/Kg
3+4-Methylphenols	< 130	U	740	130	ug/Kg
N-Nitroso-di-n-propylamine	< 74	U	740	74	ug/Kg
Hexachloroethane	< 81	U	740	81	ug/Kg
Nitrobenzene	< 74	U	740	74	ug/Kg
Isophorone	< 74	U	740	74	ug/Kg
2-Nitrophenol	< 81	U	740	81	ug/Kg
2,4-Dimethylphenol	< 170	U	740	170	ug/Kg
bis(2-Chloroethoxy)methane	< 74	U	740	74	ug/Kg
2,4-Dichlorophenol	< 96	U	740	96	ug/Kg
1,2,4-Trichlorobenzene	< 87	U	740	87	ug/Kg
Naphthalene	90	J	740	87	ug/Kg
4-Chloroaniline	< 87	U	740	87	ug/Kg
Hexachlorobutadiene	< 110	U	740	110	ug/Kg
4-Chloro-3-methylphenol	< 81	U	740	81	ug/Kg
2-Methylnaphthalene	< 87	U	740	87	ug/Kg
Hexachlorocyclopentadiene	< 280	U	740	280	ug/Kg
2,4,6-Trichlorophenol	< 74	U	740	74	ug/Kg
2,4,5-Trichlorophenol	< 74	U	1900	74	ug/Kg
2-Chloronaphthalene	< 87	U	740	87	ug/Kg
4-Nitroaniline	< 74	U	1900	74	ug/Kg
1-Methylphthalate	< 74	U	740	74	ug/Kg
Acenaphthylene	< 87	U	740	87	ug/Kg
2,6-Dinitrotoluene	< 74	U	740	74	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17

Client ID: BS-114-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002192.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 87	U	1900	87	ug/Kg
Acenaphthene	230	J	740	87	ug/Kg
2,4-Dinitrophenol	< 150	U	1900	150	ug/Kg
4-Nitrophenol	< 81	U	1900	81	ug/Kg
Dibenzofuran	110	J	740	74	ug/Kg
2,4-Dinitrotoluene	< 81	U	740	81	ug/Kg
Diethylphthalate	< 74	U	740	74	ug/Kg
Chlorophenyl-phenylether	< 87	U	740	87	ug/Kg
Fluorene	200	J	740	81	ug/Kg
4-Nitroaniline	< 180	U	1900	180	ug/Kg
4,6-Dinitro-2-methylphenol	< 87	U	1900	87	ug/Kg
N-Nitrosodiphenylamine	< 150	U	740	150	ug/Kg
4-Bromophenyl-phenylether	< 96	U	740	96	ug/Kg
Hexachlorobenzene	< 81	U	740	81	ug/Kg
Pentachlorophenol	< 140	U	1900	140	ug/Kg
Phenanthrene	2000		740	74	ug/Kg
Anthracene	390	J	740	96	ug/Kg
Carbazole	220	J	740	30	ug/Kg
Di-n-butylphthalate	< 87	U	740	87	ug/Kg
Fluoranthene	2400		740	74	ug/Kg
Pyrene	6400	E J	740	74	ug/Kg
Butylbenzylphthalate	< 74	U	740	74	ug/Kg
3,3'-Dichlorobenzidine	< 74	U	740	74	ug/Kg
Benzo(a)anthracene	1200	J	740	74	ug/Kg
Chrysene	610	J	740	120	ug/Kg
bis(2-Ethylhexyl)phthalate	160	JB	740	74	ug/Kg
Di-n-octyl phthalate	< 110	U	740	110	ug/Kg
Benzo(b)fluoranthene	5400	J	740	74	ug/Kg
Benzo(k)fluoranthene	1100	J	740	190	ug/Kg
Benzo(a)pyrene	< 110	U	740	110	ug/Kg
Indeno(1,2,3-cd)pyrene	< 120	U	740	120	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17

Client ID: BS-114-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002192.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 110	U R	740	110	ug/Kg
Benzo(g,h,i)perylene	< 96	U	740	96	ug/Kg
SURROGATES					
2-Fluorophenol	93.74	62 %	25 - 121		SPK: 300
Phenol-d5	96.49	64 %	24 - 113		SPK: 300
Nitrobenzene-d5	63.32	63 %	23 - 120		SPK: 200
Fluorobiphenyl	69.39	69 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	71.71	48 %	19 - 122		SPK: 300
Terphenyl-d14	398.78	399 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	114659	4.54
Naphthalene-d8	456943	7.00
Acenaphthene-d10	226239	10.81
Phenanthrene-d10	396984	14.12
Chrysene-d12	131023	20.17
Perylene-d12	4596	23.20

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	970	J	1.80	ug/Kg
ACP	1600	A	2.04	ug/Kg
ACP	28000	A	2.35	ug/Kg
ACP	1900	A	3.24	ug/Kg
Hexanedioic acid, bis(2-ethylhexyl)	600	J	19.43	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17DL

Client ID: BS-114-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001218.D

Dilution: 4

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 150	U	1500	150	ug/Kg
bis(2-Chloroethyl)ether	< 170	U	1500	170	ug/Kg
2-Chlorophenol	< 160	U	1500	160	ug/Kg
1,2-Dichlorobenzene	< 150	U	1500	150	ug/Kg
1,3-Dichlorobenzene	< 170	U	1500	170	ug/Kg
1,4-Dichlorobenzene	< 150	U	1500	150	ug/Kg
1-Methylphenol	< 150	U	1500	150	ug/Kg
1,2-Dichloro-3-methoxybis(1-chloropropane)	< 150	U	1500	150	ug/Kg
3+4-Methylphenols	< 270	U	1500	270	ug/Kg
N-Nitroso-di-n-propylamine	< 150	U	1500	150	ug/Kg
Hexachloroethane	< 160	U	1500	160	ug/Kg
Nitrobenzene	< 150	U	1500	150	ug/Kg
Isophorone	< 150	U	1500	150	ug/Kg
2-Nitrophenol	< 160	U	1500	160	ug/Kg
2,4-Dimethylphenol	< 340	U	1500	340	ug/Kg
bis(2-Chloroethoxy)methane	< 150	U	1500	150	ug/Kg
2,4-Dichlorophenol	< 190	U	1500	190	ug/Kg
1,2,4-Trichlorobenzene	< 170	U	1500	170	ug/Kg
Naphthalene	< 170	U	1500	170	ug/Kg
4-Chloroaniline	< 170	U	1500	170	ug/Kg
Hexachlorobutadiene	< 220	U	1500	220	ug/Kg
4-Chloro-3-methylphenol	< 160	U	1500	160	ug/Kg
2-Methylnaphthalene	< 170	U	1500	170	ug/Kg
Hexachlorocyclopentadiene	< 560	U	1500	560	ug/Kg
2,4,6-Trichlorophenol	< 150	U	1500	150	ug/Kg
2,4,5-Trichlorophenol	< 150	U	3700	150	ug/Kg
2-Chloronaphthalene	< 170	U	1500	170	ug/Kg
4-Nitroaniline	< 150	U	3700	150	ug/Kg
1-Methylphthalate	< 150	U	1500	150	ug/Kg
Acenaphthylene	< 170	U	1500	170	ug/Kg
2,6-Dinitrotoluene	< 150	U	1500	150	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17DL

Client ID: BS-114-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001218.D

Dilution: 4

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 170	U	3700	170	ug/Kg
Acenaphthene	< 170	U	1500	170	ug/Kg
2,4-Dinitrophenol	< 290	U	3700	290	ug/Kg
4-Nitrophenol	< 160	U	3700	160	ug/Kg
Dibenzofuran	< 150	U	1500	150	ug/Kg
2,4-Dinitrotoluene	< 160	U	1500	160	ug/Kg
Diethylphthalate	< 150	U	1500	150	ug/Kg
Chlorophenyl-phenylether	< 170	U	1500	170	ug/Kg
Fluorene	< 160	U	1500	160	ug/Kg
4-Nitroaniline	< 350	U	3700	350	ug/Kg
4,6-Dinitro-2-methylphenol	< 170	U	3700	170	ug/Kg
N-Nitrosodiphenylamine	< 290	U	1500	290	ug/Kg
4-Bromophenyl-phenylether	< 190	U	1500	190	ug/Kg
Hexachlorobenzene	< 160	U	1500	160	ug/Kg
Pentachlorophenol	< 280	U	3700	280	ug/Kg
Phenanthrene	1400	JD	1500	150	ug/Kg
Anthracene	190	JD	1500	190	ug/Kg
Carbazole	< 60	U	1500	60	ug/Kg
Di-n-butylphthalate	< 170	U	1500	170	ug/Kg
Fluoranthene	1700	D	1500	150	ug/Kg
Pyrene	1400	JD	1500	150	ug/Kg
Butylbenzylphthalate	< 150	U	1500	150	ug/Kg
3,3'-Dichlorobenzidine	< 150	U	1500	150	ug/Kg
Benzo(a)anthracene	930	JD	1500	150	ug/Kg
Chrysene	830	JD	1500	240	ug/Kg
bis(2-Ethylhexyl)phthalate	320	JBD	1500	150	ug/Kg
Di-n-octyl phthalate	< 220	U	1500	220	ug/Kg
Benzo(b)fluoranthene	880	JD	1500	150	ug/Kg
Benzo(k)fluoranthene	840	JD	1500	380	ug/Kg
Benzo(a)pyrene	600	JD	1500	220	ug/Kg
Indeno(1,2,3-cd)pyrene	< 240	U	1500	240	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17DL

Client ID: BS-114-8DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001218.D

Dilution: 4

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 220	U	1500	220	ug/Kg
Benzo(g,h,i)perylene	< 190	U	1500	190	ug/Kg

SURROGATES

2-Fluorophenol	40.45	54 %	25 - 121		SPK: 300
Phenol-d5	47.44	63 %	24 - 113		SPK: 300
Nitrobenzene-d5	29.24	58 %	23 - 120		SPK: 200
luorobiphenyl	26.62	53 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	18.91	25 %	19 - 122		SPK: 300
Terphenyl-d14	81.39	163 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	156212	6.74
Naphthalene-d8	569716	8.42
Acenaphthene-d10	319678	10.28
Phenanthrene-d10	348109	11.70
Chrysene-d12	76597	14.57
Perylene-d12	12309	17.39

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18

Client ID: BS-118-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002189.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 75	U	750	75	ug/Kg
bis(2-Chloroethyl)ether	< 89	U	750	89	ug/Kg
2-Chlorophenol	< 83	U	750	83	ug/Kg
1,2-Dichlorobenzene	< 75	U	750	75	ug/Kg
1,3-Dichlorobenzene	< 89	U	750	89	ug/Kg
1,4-Dichlorobenzene	< 75	U	750	75	ug/Kg
1-ethylphenol	< 75	U	750	75	ug/Kg
1,2-dichloro-2'-oxybis(1-chloropropane)	< 75	U	750	75	ug/Kg
3+4-Methylphenols	< 140	U	750	140	ug/Kg
N-Nitroso-di-n-propylamine	< 75	U	750	75	ug/Kg
Hexachloroethane	< 83	U	750	83	ug/Kg
Nitrobenzene	< 75	U	750	75	ug/Kg
Isophorone	< 75	U	750	75	ug/Kg
2-Nitrophenol	< 83	U	750	83	ug/Kg
2,4-Dimethylphenol	< 170	U	750	170	ug/Kg
bis(2-Chloroethoxy)methane	< 75	U	750	75	ug/Kg
2,4-Dichlorophenol	< 98	U	750	98	ug/Kg
1,2,4-Trichlorobenzene	< 89	U	750	89	ug/Kg
Naphthalene	250	J	750	89	ug/Kg
4-Chloroaniline	< 89	U	750	89	ug/Kg
Hexachlorobutadiene	< 110	U	750	110	ug/Kg
4-Chloro-3-methylphenol	< 83	U	750	83	ug/Kg
2-Methylnaphthalene	< 89	U	750	89	ug/Kg
Hexachlorocyclopentadiene	< 290	U	750	290	ug/Kg
2,4,6-Trichlorophenol	< 75	U	750	75	ug/Kg
2,4,5-Trichlorophenol	< 75	U	1900	75	ug/Kg
2-Chloronaphthalene	< 89	U	750	89	ug/Kg
4-Nitroaniline	< 75	U	1900	75	ug/Kg
2,4-Dimethylphthalate	< 75	U	750	75	ug/Kg
Acenaphthylene	< 89	U	750	89	ug/Kg
2,6-Dinitrotoluene	< 75	U	750	75	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18

Client ID: BS-118-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002189.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 89	U	1900	89	ug/Kg
Acenaphthene	420	J	750	89	ug/Kg
2,4-Dinitrophenol	< 150	U	1900	150	ug/Kg
4-Nitrophenol	< 83	U	1900	83	ug/Kg
Dibenzofuran	210	J	750	75	ug/Kg
2,4-Dinitrotoluene	< 83	U	750	83	ug/Kg
thylphthalate	< 75	U	750	75	ug/Kg
4-Chlorophenyl-phenylether	< 89	U	750	89	ug/Kg
Fluorene	460	J	750	83	ug/Kg
4-Nitroaniline	< 180	U	1900	180	ug/Kg
4,6-Dinitro-2-methylphenol	< 89	U	1900	89	ug/Kg
N-Nitrosodiphenylamine	< 150	U	750	150	ug/Kg
4-Bromophenyl-phenylether	< 98	U	750	98	ug/Kg
Hexachlorobenzene	< 83	U	750	83	ug/Kg
Pentachlorophenol	< 140	U	1900	140	ug/Kg
Phenanthrene	4700		750	75	ug/Kg
Anthracene	1100		750	98	ug/Kg
Carbazole	440	J	750	31	ug/Kg
Di-n-butylphthalate	< 89	U	750	89	ug/Kg
Fluoranthene	6800 2700	E	750	75	ug/Kg
Pyrene	10000 3100	E	750	75	ug/Kg
Butylbenzylphthalate	120	J	750	75	ug/Kg
3,3'-Dichlorobenzidine	< 75	U	750	75	ug/Kg
Benzo(a)anthracene	3200		750	75	ug/Kg
Chrysene	2500		750	120	ug/Kg
bis(2-Ethylhexyl)phthalate	560	JB	750	75	ug/Kg
Di-n-octyl phthalate	< 110	U	750	110	ug/Kg
zo(b)fluoranthene	17000 2000	E	750	75	ug/Kg
Benzo(k)fluoranthene	8400 1800	E	750	200	ug/Kg
Benzo(a)pyrene	5000		750	110	ug/Kg
Indeno(1,2,3-cd)pyrene	< 120	U	750	120	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18

Client ID: BS-118-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002189.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 110	U	750	110	ug/Kg
Benzo(g,h,i)perylene	< 98	U	750	98	ug/Kg
SURROGATES					
2-Fluorophenol	53.89	36 %	25 - 121		SPK: 300
Phenol-d5	77.96	52 %	24 - 113		SPK: 300
Nitrobenzene-d5	53.54	54 %	23 - 120		SPK: 200
Fluorobiphenyl	60.42	60 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	52.13	35 %	19 - 122		SPK: 300
Terphenyl-d14	227.06	227 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	121474	4.55
Naphthalene-d8	469049	6.99
Acenaphthene-d10	227762	10.80
Phenanthrene-d10	390187	14.14
Chrysene-d12	225677	20.18
Perylene-d12	8314	23.20

TENTATIVE IDENTIFIED COMPOUNDS

ACP	1700	A	2.08	ug/Kg
ACP	7500	A	2.41	ug/Kg
ACP	2000	A	3.24	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18DL

Client ID: BS-118-12DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001217.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 380	U	3800	380	ug/Kg
bis(2-Chloroethyl)ether	< 450	U	3800	450	ug/Kg
2-Chlorophenol	< 410	U	3800	410	ug/Kg
1,2-Dichlorobenzene	< 380	U	3800	380	ug/Kg
1,3-Dichlorobenzene	< 450	U	3800	450	ug/Kg
1,4-Dichlorobenzene	< 380	U	3800	380	ug/Kg
4-ethylphenol	< 380	U	3800	380	ug/Kg
2,2'-oxybis(1-chloropropane)	< 380	U	3800	380	ug/Kg
3+4-Methylphenols	< 680	U	3800	680	ug/Kg
N-Nitroso-di-n-propylamine	< 380	U	3800	380	ug/Kg
Hexachloroethane	< 410	U	3800	410	ug/Kg
Nitrobenzene	< 380	U	3800	380	ug/Kg
Isophorone	< 380	U	3800	380	ug/Kg
2-Nitrophenol	< 410	U	3800	410	ug/Kg
2,4-Dimethylphenol	< 870	U	3800	870	ug/Kg
bis(2-Chloroethoxy)methane	< 380	U	3800	380	ug/Kg
2,4-Dichlorophenol	< 490	U	3800	490	ug/Kg
1,2,4-Trichlorobenzene	< 450	U	3800	450	ug/Kg
Naphthalene	< 450	U	3800	450	ug/Kg
4-Chloroaniline	< 450	U	3800	450	ug/Kg
Hexachlorobutadiene	< 560	U	3800	560	ug/Kg
4-Chloro-3-methylphenol	< 410	U	3800	410	ug/Kg
2-Methylnaphthalene	< 450	U	3800	450	ug/Kg
Hexachlorocyclopentadiene	< 1400	U	3800	1400	ug/Kg
2,4,6-Trichlorophenol	< 380	U	3800	380	ug/Kg
2,4,5-Trichlorophenol	< 380	U	9500	380	ug/Kg
2-Chloronaphthalene	< 450	U	3800	450	ug/Kg
4-troaniline	< 380	U	9500	380	ug/Kg
1-methylphthalate	< 380	U	3800	380	ug/Kg
Acenaphthylene	< 450	U	3800	450	ug/Kg
2,6-Dinitrotoluene	< 380	U	3800	380	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18DL

Client ID: BS-118-12DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001217.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 450	U	9500	450	ug/Kg
Acenaphthene	< 450	U	3800	450	ug/Kg
2,4-Dinitrophenol	< 750	U	9500	750	ug/Kg
4-Nitrophenol	< 410	U	9500	410	ug/Kg
Dibenzofuran	< 380	U	3800	380	ug/Kg
2,4-Dinitrotoluene	< 410	U	3800	410	ug/Kg
Methylphthalate	< 380	U	3800	380	ug/Kg
Chlorophenyl-phenylether	< 450	U	3800	450	ug/Kg
Fluorene	< 410	U	3800	410	ug/Kg
4-Nitroaniline	< 900	U	9500	900	ug/Kg
4,6-Dinitro-2-methylphenol	< 450	U	9500	450	ug/Kg
N-Nitrosodiphenylamine	< 750	U	3800	750	ug/Kg
4-Bromophenyl-phenylether	< 490	U	3800	490	ug/Kg
Hexachlorobenzene	< 410	U	3800	410	ug/Kg
Pentachlorophenol	< 710	U	9500	710	ug/Kg
Phenanthrene	3000	JD	3800	380	ug/Kg
Anthracene	530	JD	3800	490	ug/Kg
Carbazole	< 150	U	3800	150	ug/Kg
Di-n-butylphthalate	< 450	U	3800	450	ug/Kg
Fluoranthene	3700	JD	3800	380	ug/Kg
Pyrene	3200	JD	3800	380	ug/Kg
Butylbenzylphthalate	< 380	U	3800	380	ug/Kg
3,3'-Dichlorobenzidine	< 380	U	3800	380	ug/Kg
Benzo(a)anthracene	2200	JD	3800	380	ug/Kg
Chrysene	2000	JD	3800	600	ug/Kg
bis(2-Ethylhexyl)phthalate	880	JBD	3800	380	ug/Kg
Di-n-octyl phthalate	< 560	U	3800	560	ug/Kg
Benzo(b)fluoranthene	2000	JD	3800	380	ug/Kg
Benzo(k)fluoranthene	1800	JD	3800	980	ug/Kg
Benzo(a)pyrene	< 560	U	3800	560	ug/Kg
Indeno(1,2,3-cd)pyrene	< 600	U	3800	600	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18DL

Client ID: BS-118-12DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BA001217.D

Dilution: 10

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 14

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 570	U	3800	570	ug/Kg
Benzo(g,h,i)perylene	610	JD	3800	490	ug/Kg
SURROGATES					
2-Fluorophenol	9.07	30 %	25 - 121		SPK: 300
Phenol-d5	13.13	44 %	24 - 113		SPK: 300
Nitrobenzene-d5	9.47	47 %	23 - 120		SPK: 200
luorobiphenyl	6.43	32 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	3.53	12 %	19 - 122		SPK: 300
Terphenyl-d14	15.69	78 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	164950	6.74			
Naphthalene-d8	625103	8.42			
Acenaphthene-d10	407796	10.29			
Phenanthrene-d10	541233	11.70			
Chrysene-d12	95941	14.59			
Perylene-d12	20821	17.40			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19

Client ID: BS-120-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002190.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 68	U	680	68	ug/Kg
bis(2-Chloroethyl)ether	< 81	U	680	81	ug/Kg
2-Chlorophenol	< 75	U	680	75	ug/Kg
1,2-Dichlorobenzene	< 68	U	680	68	ug/Kg
1,3-Dichlorobenzene	< 81	U	680	81	ug/Kg
1,4-Dichlorobenzene	< 68	U	680	68	ug/Kg
4-Ethylphenol	< 68	U	680	68	ug/Kg
2,2'-oxybis(1-chloropropane)	< 68	U	680	68	ug/Kg
3+4-Methylphenols	< 120	U	680	120	ug/Kg
N-Nitroso-di-n-propylamine	< 68	U	680	68	ug/Kg
Hexachloroethane	< 75	U	680	75	ug/Kg
Nitrobenzene	< 68	U	680	68	ug/Kg
Isophorone	< 68	U	680	68	ug/Kg
2-Nitrophenol	< 75	U	680	75	ug/Kg
2,4-Dimethylphenol	< 160	U	680	160	ug/Kg
bis(2-Chloroethoxy)methane	< 68	U	680	68	ug/Kg
2,4-Dichlorophenol	< 89	U	680	89	ug/Kg
1,2,4-Trichlorobenzene	< 81	U	680	81	ug/Kg
Naphthalene	< 81	U	680	81	ug/Kg
4-Chloroaniline	< 81	U	680	81	ug/Kg
Hexachlorobutadiene	< 100	U	680	100	ug/Kg
4-Chloro-3-methylphenol	< 75	U	680	75	ug/Kg
2-Methylnaphthalene	< 81	U	680	81	ug/Kg
Hexachlorocyclopentadiene	< 260	U	680	260	ug/Kg
2,4,6-Trichlorophenol	< 68	U	680	68	ug/Kg
2,4,5-Trichlorophenol	< 68	U	1700	68	ug/Kg
2-Chloronaphthalene	< 81	U	680	81	ug/Kg
4-Chloroaniline	< 68	U	1700	68	ug/Kg
Dimethylphthalate	< 68	U	680	68	ug/Kg
Acenaphthylene	< 81	U	680	81	ug/Kg
2,6-Dinitrotoluene	< 68	U	680	68	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19

Client ID: BS-120-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002190.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 81	U	1700	81	ug/Kg
Acenaphthene	93	J	680	81	ug/Kg
2,4-Dinitrophenol	< 140	U	1700	140	ug/Kg
4-Nitrophenol	< 75	U	1700	75	ug/Kg
Dibenzofuran	< 68	U	680	68	ug/Kg
2,4-Dinitrotoluene	< 75	U	680	75	ug/Kg
Diethylphthalate	< 68	U	680	68	ug/Kg
Chlorophenyl-phenylether	< 81	U	680	81	ug/Kg
Fluorene	80	J	680	75	ug/Kg
4-Nitroaniline	< 160	U	1700	160	ug/Kg
4,6-Dinitro-2-methylphenol	< 81	U	1700	81	ug/Kg
N-Nitrosodiphenylamine	< 140	U	680	140	ug/Kg
4-Bromophenyl-phenylether	< 89	U	680	89	ug/Kg
Hexachlorobenzene	< 75	U	680	75	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	940		680	68	ug/Kg
Anthracene	210	J	680	89	ug/Kg
Carbazole	130	J	680	28	ug/Kg
Di-n-butylphthalate	< 81	U	680	81	ug/Kg
Fluoranthene	2200		680	68	ug/Kg
Pyrene	4000		680	68	ug/Kg
Butylbenzylphthalate	< 68	U	680	68	ug/Kg
3,3'-Dichlorobenzidine	< 68	U	680	68	ug/Kg
Benzo(a)anthracene	1000		680	68	ug/Kg
Chrysene	620	J	680	110	ug/Kg
bis(2-Ethylhexyl)phthalate	< 68	U	680	68	ug/Kg
Di-n-octyl phthalate	< 100	U	680	100	ug/Kg
Benzo(b)fluoranthene	3100		680	68	ug/Kg
Benzo(k)fluoranthene	1000		680	130	ug/Kg
Benzo(a)pyrene	800		680	100	ug/Kg
Indeno(1,2,3-cd)pyrene	< 110	U	680	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19

Client ID: BS-120-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002190.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 100	U	680	100	ug/Kg
Benzo(g,h,i)perylene	< 89	U	680	89	ug/Kg
SURROGATES					
2-Fluorophenol	81.93	55 %	25 - 121		SPK: 300
Phenol-d5	81.98	55 %	24 - 113		SPK: 300
Nitrobenzene-d5	54.21	54 %	23 - 120		SPK: 200
luorobiphenyl	60.41	60 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	106.66	71 %	19 - 122		SPK: 300
Terphenyl-d14	287.88	288 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	115975	4.54
Naphthalene-d8	454714	6.99
Acenaphthene-d10	222138	10.81
Phenanthrene-d10	394727	14.13
Chrysene-d12	177227	20.17
Perylene-d12	7457	23.19

TENTITIVE IDENTIFIED COMPOUNDS

Hexanal	440	J	1.80	ug/Kg
ACP	690	A	2.02	ug/Kg
ACP	12000	A	2.33	ug/Kg
Unknown	170	J	2.82	ug/Kg
ACP	890	A	3.24	ug/Kg
Hexadecanoic acid	320	J	15.84	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19RE

Client ID: BS-120-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001772.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 68	U	680	68	ug/Kg
bis(2-Chloroethyl)ether	< 81	U	680	81	ug/Kg
2-Chlorophenol	< 75	U	680	75	ug/Kg
1,2-Dichlorobenzene	< 68	U	680	68	ug/Kg
1,3-Dichlorobenzene	< 81	U	680	81	ug/Kg
1,4-Dichlorobenzene	< 68	U	680	68	ug/Kg
4-Methylphenol	< 68	U	680	68	ug/Kg
1,2-dichloro-3-oxybis(1-chloropropane)	< 68	U	680	68	ug/Kg
3+4-Methylphenols	< 120	U	680	120	ug/Kg
N-Nitroso-di-n-propylamine	< 68	U	680	68	ug/Kg
Hexachloroethane	< 75	U	680	75	ug/Kg
Nitrobenzene	< 68	U	680	68	ug/Kg
Isophorone	< 68	U	680	68	ug/Kg
2-Nitrophenol	< 75	U	680	75	ug/Kg
2,4-Dimethylphenol	< 160	U	680	160	ug/Kg
bis(2-Chloroethoxy)methane	< 68	U	680	68	ug/Kg
2,4-Dichlorophenol	< 89	U	680	89	ug/Kg
1,2,4-Trichlorobenzene	< 81	U	680	81	ug/Kg
Naphthalene	< 81	U	680	81	ug/Kg
4-Chloroaniline	< 81	U	680	81	ug/Kg
Hexachlorobutadiene	< 100	U	680	100	ug/Kg
4-Chloro-3-methylphenol	< 75	U	680	75	ug/Kg
2-Methylnaphthalene	< 81	U	680	81	ug/Kg
Hexachlorocyclopentadiene	< 260	U	680	260	ug/Kg
2,4,6-Trichlorophenol	< 68	U	680	68	ug/Kg
2,4,5-Trichlorophenol	< 68	U	1700	68	ug/Kg
2-Chloronaphthalene	< 81	U	680	81	ug/Kg
2-Nitroaniline	< 68	U	1700	68	ug/Kg
1-Methylphthalate	< 68	U	680	68	ug/Kg
Acenaphthylene	< 81	U	680	81	ug/Kg
2,6-Dinitrotoluene	< 68	U	680	68	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19RE

Client ID: BS-120-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001772.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 81	U	1700	81	ug/Kg
Acenaphthene	140	J	680	81	ug/Kg
2,4-Dinitrophenol	< 140	U	1700	140	ug/Kg
4-Nitrophenol	< 75	U	1700	75	ug/Kg
Dibenzofuran	< 68	U	680	68	ug/Kg
2,4-Dinitrotoluene	< 75	U	680	75	ug/Kg
Diethylphthalate	< 68	U	680	68	ug/Kg
Chlorophenyl-phenylether	< 81	U	680	81	ug/Kg
Fluorene	130	J	680	75	ug/Kg
4-Nitroaniline	< 160	U	1700	160	ug/Kg
4,6-Dinitro-2-methylphenol	< 81	U	1700	81	ug/Kg
N-Nitrosodiphenylamine	< 140	U	680	140	ug/Kg
4-Bromophenyl-phenylether	< 89	U	680	89	ug/Kg
Hexachlorobenzene	< 75	U	680	75	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	1100		680	68	ug/Kg
Anthracene	350	J	680	39	ug/Kg
Carbazole	190	J	680	28	ug/Kg
Di-n-butylphthalate	< 81	U	680	81	ug/Kg
Fluoranthene	1900		680	68	ug/Kg
Pyrene	2400		680	68	ug/Kg
Butylbenzylphthalate	91	J	680	68	ug/Kg
3,3'-Dichlorobenzidine	< 68	U	680	68	ug/Kg
Benzo(a)anthracene	1300		680	68	ug/Kg
Chrysene	1300		680	110	ug/Kg
bis(2-Ethylhexyl)phthalate	160	JB	680	68	ug/Kg
Di-n-octyl phthalate	< 100	U	680	100	ug/Kg
Benzo(b)fluoranthene	1800		680	68	ug/Kg
Benzo(k)fluoranthene	900		680	180	ug/Kg
Benzo(a)pyrene	1200		680	100	ug/Kg
Indeno(1,2,3-cd)pyrene	220	J	680	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19RE

Client ID: BS-120-4RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001772.D

Dilution: 2

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 100	U U	680	100	ug/Kg
Benzo(g,h,i)perylene	380	J J	680	89	ug/Kg
SURROGATES					
2-Fluorophenol	63.47	42 %	25 - 121		SPK: 300
Phenol-d5	67.83	45 %	24 - 113		SPK: 300
Nitrobenzene-d5	47.38	47 %	23 - 120		SPK: 200
luorobiphenyl	61.48	61 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	98.06	65 %	19 - 122		SPK: 300
Terphenyl-d14	83.3	83 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	99250	8.18			
Naphthalene-d8	329601	10.43			
Acenaphthene-d10	190124	13.71			
Phenanthrene-d10	314483	16.52			
Chrysene-d12	195709	21.59			
Perylene-d12	92289	25.49			

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20

Client ID:

BS-124-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002202.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	350	42	ug/Kg
2-Chlorophenol	< 39	U	350	39	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 42	U	350	42	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
4-Methylphenol	< 35	U	350	35	ug/Kg
1,2-Dichloro-3-methoxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 63	U	350	63	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 39	U	350	39	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 39	U	350	39	ug/Kg
2,4-Dimethylphenol	< 81	U	350	81	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 46	U	350	46	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	350	42	ug/Kg
Naphthalene	< 42	U	350	42	ug/Kg
4-Chloroaniline	< 42	U	350	42	ug/Kg
Hexachlorobutadiene	< 53	U	350	53	ug/Kg
4-Chloro-3-methylphenol	< 39	U	350	39	ug/Kg
2-Methylnaphthalene	< 42	U	350	42	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	890	35	ug/Kg
2-Chloronaphthalene	< 42	U	350	42	ug/Kg
2-Nitroaniline	< 35	U	890	35	ug/Kg
2-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 42	U	350	42	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20

Client ID: BS-124-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002202.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 42	U	890	42	ug/Kg
Acenaphthene	< 42	U	350	42	ug/Kg
2,4-Dinitrophenol	< 70	U	890	70	ug/Kg
4-Nitrophenol	< 39	U	890	39	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	< 39	U	350	39	ug/Kg
4-Nitroaniline	< 85	U	890	85	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	890	42	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	890	67	ug/Kg
Phenanthrene	< 35	U	350	35	ug/Kg
Anthracene	< 46	U	350	46	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	< 35	U	350	35	ug/Kg
Pyrene	68	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	< 35	U	350	35	ug/Kg
Chrysene	< 56	U	350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	< 35	U	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzo(b)fluoranthene	300	J	350	35	ug/Kg
Benzo(k)fluoranthene	340	J	350	92	ug/Kg
Benzo(a)pyrene	< 53	U	350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 56	U	350	56	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20

Client ID: BS-124-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002202.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	143.33	48 %	25 - 121		SPK: 300
Phenol-d5	146.2	49 %	24 - 113		SPK: 300
Nitrobenzene-d5	91.36	46 %	23 - 120		SPK: 200
luorobiphenyl	103.86	52 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	205.93	69 %	19 - 122		SPK: 300
Terphenyl-d14	921.16	461 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	124947	4.56
Naphthalene-d8	503659	7.00
Acenaphthene-d10	254004	10.83
Phenanthrene-d10	441960	14.13
Chrysene-d12	145302	20.16
Perylene-d12	15202	23.20

TENTITIVE IDENTIFIED COMPOUNDS

ACP	590	A	2.05	ug/Kg
ACP	11000	A	2.39	ug/Kg
ACP	850	A	3.26	ug/Kg
Hexadecanoic acid	490	J	15.86	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20RE

Client ID: BS-124-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000794.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	350	42	ug/Kg
2-Chlorophenol	< 39	U	350	39	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 42	U	350	42	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
Methylphenol	< 35	U	350	35	ug/Kg
1,2'-oxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 63	U	350	63	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 39	U	350	39	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 39	U	350	39	ug/Kg
2,4-Dimethylphenol	< 81	U	350	81	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 46	U	350	46	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	350	42	ug/Kg
Naphthalene	< 42	U	350	42	ug/Kg
4-Chloroaniline	< 42	U	350	42	ug/Kg
Hexachlorobutadiene	< 53	U	350	53	ug/Kg
4-Chloro-3-methylphenol	< 39	U	350	39	ug/Kg
2-Methylnaphthalene	< 42	U	350	42	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	890	35	ug/Kg
2-Chloronaphthalene	< 42	U	350	42	ug/Kg
4-Nitroaniline	< 35	U	890	35	ug/Kg
1-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 42	U	350	42	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20RE

Client ID: BS-124-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000794.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 42	U	890	42	ug/Kg
Acenaphthene	< 42	U	350	42	ug/Kg
2,4-Dinitrophenol	< 70	U	890	70	ug/Kg
4-Nitrophenol	< 39	U	890	39	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	< 39	U	350	39	ug/Kg
4-Nitroaniline	< 85	U	890	85	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	890	42	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	890	67	ug/Kg
Phenanthrene	< 35	U	350	35	ug/Kg
Anthracene	< 46	U	350	46	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	59	J	350	35	ug/Kg
Pyrene	65	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	36	J	350	35	ug/Kg
Chrysene	< 56	U	350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	54	JB	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzo(b)fluoranthene	< 35	U	350	35	ug/Kg
Benzo(k)fluoranthene	< 92	U	350	92	ug/Kg
Benzo(a)pyrene	< 53	U	350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 56	U	350	56	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20RE

Client ID: BS-124-8RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000794.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	133.55	45 %	25 - 121		SPK: 300
Phenol-d5	153.35	51 %	24 - 113		SPK: 300
Nitrobenzene-d5	86.61	43 %	23 - 120		SPK: 200
Fluorobiphenyl	96.09	48 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	109.81	37 %	19 - 122		SPK: 300
Terphenyl-d14	79.25	40 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	21963	6.11
Naphthalene-d8	110796	7.99
Acenaphthene-d10	51176	9.85
Phenanthrene-d10	99876	11.23
Chrysene-d12	101410	14.02
Perylene-d12	67112	16.35

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21

Client ID: BS-128-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002191.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 69	U	690	69	ug/Kg
bis(2-Chloroethyl)ether	< 82	U	690	82	ug/Kg
2-Chlorophenol	< 76	U	690	76	ug/Kg
1,2-Dichlorobenzene	< 69	U	690	69	ug/Kg
1,3-Dichlorobenzene	< 82	U	690	82	ug/Kg
1,4-Dichlorobenzene	< 69	U	690	69	ug/Kg
4-ethylphenol	< 69	U	690	69	ug/Kg
2,2'-oxybis(1-chloropropane)	< 69	U	690	69	ug/Kg
3+4-Methylphenols	< 120	U	690	120	ug/Kg
N-Nitroso-di-n-propylamine	< 69	U	690	69	ug/Kg
Hexachloroethane	< 76	U	690	76	ug/Kg
Nitrobenzene	< 69	U	690	69	ug/Kg
Isophorone	< 69	U	690	69	ug/Kg
2-Nitrophenol	< 76	U	690	76	ug/Kg
2,4-Dimethylphenol	< 160	U	690	160	ug/Kg
bis(2-Chloroethoxy)methane	< 69	U	690	69	ug/Kg
2,4-Dichlorophenol	< 90	U	690	90	ug/Kg
1,2,4-Trichlorobenzene	< 82	U	690	82	ug/Kg
Naphthalene	< 82	U	690	82	ug/Kg
4-Chloroaniline	< 82	U	690	82	ug/Kg
Hexachlorobutadiene	< 100	U	690	100	ug/Kg
4-Chloro-3-methylphenol	< 76	U	690	76	ug/Kg
2-Methylnaphthalene	< 82	U	690	82	ug/Kg
Hexachlorocyclopentadiene	< 260	U	690	260	ug/Kg
2,4,6-Trichlorophenol	< 69	U	690	69	ug/Kg
2,4,5-Trichlorophenol	< 69	U	1700	69	ug/Kg
2-Chloronaphthalene	< 82	U	690	82	ug/Kg
Nitroaniline	< 69	U	1700	69	ug/Kg
2-methylphthalate	< 69	U	690	69	ug/Kg
Acenaphthylene	< 82	U	690	82	ug/Kg
2,6-Dinitrotoluene	< 69	U	690	69	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21

Client ID: BS-128-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002191.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 82	U	1700	82	ug/Kg
Acenaphthene	99	J	690	82	ug/Kg
2,4-Dinitrophenol	< 140	U	1700	140	ug/Kg
4-Nitrophenol	< 76	U	1700	76	ug/Kg
Dibenzofuran	< 69	U	690	69	ug/Kg
2,4-Dinitrotoluene	< 76	U	690	76	ug/Kg
Diethylphthalate	< 69	U	690	69	ug/Kg
4-Chlorophenyl-phenylether	< 82	U	690	82	ug/Kg
Fluorene	100	J	690	76	ug/Kg
4-Nitroaniline	< 170	U	1700	170	ug/Kg
4,6-Dinitro-2-methylphenol	< 82	U	1700	82	ug/Kg
N-Nitrosodiphenylamine	< 140	U	690	140	ug/Kg
4-Bromophenyl-phenylether	< 90	U	690	90	ug/Kg
Hexachlorobenzene	< 76	U	690	76	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	1100	J	690	69	ug/Kg
Anthracene	250	J	690	90	ug/Kg
Carbazole	110	J	690	28	ug/Kg
Di-n-butylphthalate	< 82	U	690	82	ug/Kg
Fluoranthene	1700	J	690	69	ug/Kg
Pyrene	3900	J	690	69	ug/Kg
Butylbenzylphthalate	< 69	U	690	69	ug/Kg
3,3'-Dichlorobenzidine	< 69	U	690	69	ug/Kg
Benzo(a)anthracene	710	J	690	69	ug/Kg
Chrysene	490	J	690	110	ug/Kg
bis(2-Ethylhexyl)phthalate	< 69	U	690	69	ug/Kg
Di-n-octyl phthalate	< 100	U	690	100	ug/Kg
Benzo(b)fluoranthene	760	J	690	69	ug/Kg
Benzo(k)fluoranthene	1400	J	690	180	ug/Kg
Benzo(a)pyrene	< 100	U	690	100	ug/Kg
Indeno(1,2,3-cd)pyrene	< 110	U	690	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21

Client ID: BS-128-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002191.D

Dilution: 2

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 100	U	690	100	ug/Kg
Benzo(g,h,i)perylene	< 90	U	690	90	ug/Kg
SURROGATES					
2-Fluorophenol	137.11	91 %	25 - 121		SPK: 300
Phenol-d5	121.39	81 %	24 - 113		SPK: 300
Nitrobenzene-d5	80.95	81 %	23 - 120		SPK: 200
luorobiphenyl	89.51	90 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	138.34	92 %	19 - 122		SPK: 300
Terphenyl-d14	482.17	482 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	109534	4.56
Naphthalene-d8	444895	6.99
Acenaphthene-d10	216282	10.80
Phenanthrene-d10	378495	14.13
Chrysene-d12	138659	20.18
Perylene-d12	6916	23.22

TENTITIVE IDENTIFIED COMPOUNDS

ACP	1800	A	2.03	ug/Kg
ACP	33000	A	2.37	ug/Kg
Unknown	1500	J	2.84	ug/Kg
ACP	2200	A	3.24	ug/Kg
Hexadecanoic acid	860	J	15.87	ug/Kg
Unknown	3000	J	16.10	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21RE

Client ID: BS-128-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000796.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 69	U	690	69	ug/Kg
bis(2-Chloroethyl)ether	< 82	U	690	82	ug/Kg
2-Chlorophenol	< 76	U	690	76	ug/Kg
1,2-Dichlorobenzene	< 69	U	690	69	ug/Kg
1,3-Dichlorobenzene	< 82	U	690	82	ug/Kg
1,4-Dichlorobenzene	< 69	U	690	69	ug/Kg
4-ethylphenol	< 69	U	690	69	ug/Kg
2,2'-oxybis(1-chloropropane)	< 69	U	690	69	ug/Kg
3+4-Methylphenols	< 120	U	690	120	ug/Kg
N-Nitroso-di-n-propylamine	< 69	U	690	69	ug/Kg
Hexachloroethane	< 76	U	690	76	ug/Kg
Nitrobenzene	< 69	U	690	69	ug/Kg
Isophorone	< 69	U	690	69	ug/Kg
2-Nitrophenol	< 76	U	690	76	ug/Kg
2,4-Dimethylphenol	< 160	U	690	160	ug/Kg
bis(2-Chloroethoxy)methane	< 69	U	690	69	ug/Kg
2,4-Dichlorophenol	< 90	U	690	90	ug/Kg
1,2,4-Trichlorobenzene	< 82	U	690	82	ug/Kg
Naphthalene	< 82	U	690	82	ug/Kg
4-Chloroaniline	< 82	U	690	82	ug/Kg
Hexachlorobutadiene	< 100	U	690	100	ug/Kg
4-Chloro-3-methylphenol	< 76	U	690	76	ug/Kg
2-Methylnaphthalene	< 82	U	690	82	ug/Kg
Hexachlorocyclopentadiene	< 260	U	690	260	ug/Kg
2,4,6-Trichlorophenol	< 69	U	690	69	ug/Kg
2,4,5-Trichlorophenol	< 69	U	1700	69	ug/Kg
2-Chloronaphthalene	< 82	U	690	82	ug/Kg
Nitroaniline	< 69	U	1700	69	ug/Kg
Dimethylphthalate	< 69	U	690	69	ug/Kg
Acenaphthylene	< 82	U	690	82	ug/Kg
2,6-Dinitrotoluene	< 69	U	690	69	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21RE

Client ID: BS-128-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000796.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 82	U	1700	82	ug/Kg
Acenaphthene	150	J	690	82	ug/Kg
2,4-Dinitrophenol	< 140	U	1700	140	ug/Kg
4-Nitrophenol	< 76	U	1700	76	ug/Kg
Dibenzofuran	< 69	U	690	69	ug/Kg
2,4-Dinitrotoluene	< 76	U	690	76	ug/Kg
Diethylphthalate	< 69	U	690	69	ug/Kg
4-Chlorophenyl-phenylether	< 82	U	690	82	ug/Kg
Fluorene	140	J	690	76	ug/Kg
4-Nitroaniline	< 170	U	1700	170	ug/Kg
4,6-Dinitro-2-methylphenol	< 82	U	1700	82	ug/Kg
N-Nitrosodiphenylamine	< 140	U	690	140	ug/Kg
4-Bromophenyl-phenylether	< 90	U	690	90	ug/Kg
Hexachlorobenzene	< 76	U	690	76	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	1300		690	69	ug/Kg
Anthracene	360	J	690	90	ug/Kg
Carbazole	160	J	690	28	ug/Kg
Di-n-butylphthalate	< 82	U	690	82	ug/Kg
Fluoranthene	1800		690	69	ug/Kg
Pyrene	2000		690	69	ug/Kg
Butylbenzylphthalate	< 69	U	690	69	ug/Kg
3,3'-Dichlorobenzidine	< 69	U	690	69	ug/Kg
Benzo(a)anthracene	1000		690	69	ug/Kg
Chrysene	1100		690	110	ug/Kg
bis(2-Ethylhexyl)phthalate	320	JB	690	69	ug/Kg
Di-n-octyl phthalate	< 100	U	690	100	ug/Kg
Benzo(b)fluoranthene	800		690	69	ug/Kg
Benzo(k)fluoranthene	920		690	180	ug/Kg
Benzo(a)pyrene	830		690	100	ug/Kg
Indeno(1,2,3-cd)pyrene	210	J	690	110	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21RE

Client ID: BS-128-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000796.D

Dilution: 2

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Vol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 100	U	690	100	ug/Kg
Benzo(g,h,i)perylene	310	J	690	90	ug/Kg

SURROGATES

2-Fluorophenol	110.56	74 %	25 - 121	SPK: 300
Phenol-d5	122.55	82 %	24 - 113	SPK: 300
Nitrobenzene-d5	68.33	68 %	23 - 120	SPK: 200
Fluorobiphenyl	80.19	80 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	85.04	57 %	19 - 122	SPK: 300
Terphenyl-d14	75.15	75 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	30669	6.11
Naphthalene-d8	150633	7.99
Acenaphthene-d10	65423	9.85
Phenanthrene-d10	113647	11.23
Chrysene-d12	95370	14.06
Perylene-d12	59952	16.39

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22

Client ID: BS-128-12DUP

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002205.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 43	U	360	43	ug/Kg
2-Chlorophenol	< 40	U	360	40	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 43	U	360	43	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
1-ethylphenol	< 36	U	360	36	ug/Kg
2,2'-oxybis(1-chloropropane)	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 65	U	360	65	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 40	U	360	40	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 40	U	360	40	ug/Kg
2,4-Dimethylphenol	< 83	U	360	83	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 43	U	360	43	ug/Kg
Naphthalene	< 43	U	360	43	ug/Kg
4-Chloroaniline	< 43	U	360	43	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 40	U	360	40	ug/Kg
2-Methylnaphthalene	< 43	U	360	43	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 43	U	360	43	ug/Kg
4-nitroaniline	< 36	U	900	36	ug/Kg
Dimethylphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 43	U	360	43	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22

Client ID: BS-128-12DUP

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002205.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 43	U	900	43	ug/Kg
Acenaphthene	< 43	U	360	43	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 40	U	900	40	ug/Kg
Dibenzofuran	< 36	U	360	36	ug/Kg
2,4-Dinitrotoluene	< 40	U	360	40	ug/Kg
Diethylphthalate	< 36	U	360	36	ug/Kg
4-Chlorophenyl-phenylether	< 43	U	360	43	ug/Kg
Fluorene	< 40	U	360	40	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 43	U	900	43	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 40	U	360	40	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	310	J	360	36	ug/Kg
Anthracene	71	J	360	47	ug/Kg
Carbazole	< 15	U	360	15	ug/Kg
Di-n-butylphthalate	< 43	U	360	43	ug/Kg
Fluoranthene	480		360	36	ug/Kg
Pyrene	1200		360	36	ug/Kg
Butylbenzylphthalate	< 36	U	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	230	J	360	36	ug/Kg
Chrysene	140	J	360	58	ug/Kg
bis(2-Ethylhexyl)phthalate	58	JB	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	300	J	360	36	ug/Kg
Benzo(k)fluoranthene	140	J	360	93	ug/Kg
Benzo(a)pyrene	< 54	U	360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	< 58	U	360	58	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22

Client ID: BS-128-12DUP

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002205.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 54	U	360	54	ug/Kg
Benzo(g,h,i)perylene	< 47	U	360	47	ug/Kg

SURROGATES

2-Fluorophenol	141.56	47 %	25 - 121	SPK: 300
Phenol-d5	158.64	53 %	24 - 113	SPK: 300
robenzene-d5	106.59	53 %	23 - 120	SPK: 200
Fluorobiphenyl	113.52	57 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	205.27	68 %	19 - 122	SPK: 300
Terphenyl-d14	908.23	454 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	127350	4.55
Naphthalene-d8	500088	6.99
Acenaphthene-d10	251230	10.81
Phenanthrene-d10	413270	14.13
Chrysene-d12	140406	20.18
Perylene-d12	6985	23.20

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	460	J	1.79	ug/Kg
ACP	480	A	2.04	ug/Kg
ACP	7900	A	2.36	ug/Kg
ACP	670	A	3.24	ug/Kg
Hexadecanoic acid	540	J	15.89	ug/Kg
Hexatriacontane	1200	J	16.12	ug/Kg
Octadecanoic acid	420	J	17.65	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22RE

Client ID: BS-128-12DUPRE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000767.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 36	U	360	36	ug/Kg
bis(2-Chloroethyl)ether	< 43	U	360	43	ug/Kg
2-Chlorophenol	< 40	U	360	40	ug/Kg
1,2-Dichlorobenzene	< 36	U	360	36	ug/Kg
1,3-Dichlorobenzene	< 43	U	360	43	ug/Kg
1,4-Dichlorobenzene	< 36	U	360	36	ug/Kg
4-ethylphenol	< 36	U	360	36	ug/Kg
2,2'-oxybis(1-chloropropane)	< 36	U	360	36	ug/Kg
3+4-Methylphenols	< 65	U	360	65	ug/Kg
N-Nitroso-di-n-propylamine	< 36	U	360	36	ug/Kg
Hexachloroethane	< 40	U	360	40	ug/Kg
Nitrobenzene	< 36	U	360	36	ug/Kg
Isophorone	< 36	U	360	36	ug/Kg
2-Nitrophenol	< 40	U	360	40	ug/Kg
2,4-Dimethylphenol	< 83	U	360	83	ug/Kg
bis(2-Chloroethoxy)methane	< 36	U	360	36	ug/Kg
2,4-Dichlorophenol	< 47	U	360	47	ug/Kg
1,2,4-Trichlorobenzene	< 43	U	360	43	ug/Kg
Naphthalene	< 43	U	360	43	ug/Kg
4-Chloroaniline	< 43	U	360	43	ug/Kg
Hexachlorobutadiene	< 54	U	360	54	ug/Kg
4-Chloro-3-methylphenol	< 40	U	360	40	ug/Kg
2-Methylnaphthalene	< 43	U	360	43	ug/Kg
Hexachlorocyclopentadiene	< 140	U	360	140	ug/Kg
2,4,6-Trichlorophenol	< 36	U	360	36	ug/Kg
2,4,5-Trichlorophenol	< 36	U	900	36	ug/Kg
2-Chloronaphthalene	< 43	U	360	43	ug/Kg
Nitroaniline	< 36	U	900	36	ug/Kg
Dimethylphthalate	< 36	U	360	36	ug/Kg
Acenaphthylene	< 43	U	360	43	ug/Kg
2,6-Dinitrotoluene	< 36	U	360	36	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22RE

Client ID: BS-128-12DUPRE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000767.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 43	U	900	43	ug/Kg
Acenaphthene	73	J	360	43	ug/Kg
2,4-Dinitrophenol	< 72	U	900	72	ug/Kg
4-Nitrophenol	< 40	U	900	40	ug/Kg
Dibenzofuran	< 36	U	360	36	ug/Kg
2,4-Dinitrotoluene	< 40	U	360	40	ug/Kg
thylphthalate	< 36	U	360	36	ug/Kg
Chlorophenyl-phenylether	< 43	U	360	43	ug/Kg
Fluorene	67	J	360	40	ug/Kg
4-Nitroaniline	< 86	U	900	86	ug/Kg
4,6-Dinitro-2-methylphenol	< 43	U	900	43	ug/Kg
N-Nitrosodiphenylamine	< 72	U	360	72	ug/Kg
4-Bromophenyl-phenylether	< 47	U	360	47	ug/Kg
Hexachlorobenzene	< 40	U	360	40	ug/Kg
Pentachlorophenol	< 68	U	900	68	ug/Kg
Phenanthrene	520		360	36	ug/Kg
Anthracene	160	J	360	47	ug/Kg
Carbazole	83	J	360	15	ug/Kg
Di-n-butylphthalate	< 43	U	360	43	ug/Kg
Fluoranthene	520		360	36	ug/Kg
Pyrene	930	J	360	36	ug/Kg
Butylbenzylphthalate	61	J	360	36	ug/Kg
3,3'-Dichlorobenzidine	< 36	U	360	36	ug/Kg
Benzo(a)anthracene	320	J	360	36	ug/Kg
Chrysene	340	J	360	58	ug/Kg
bis(2-Ethylhexyl)phthalate	530	B	360	36	ug/Kg
Di-n-octyl phthalate	< 54	U	360	54	ug/Kg
Benzo(b)fluoranthene	280	J	360	36	ug/Kg
Benzo(k)fluoranthene	410	J	360	93	ug/Kg
Benzo(a)pyrene	320	J	360	54	ug/Kg
Indeno(1,2,3-cd)pyrene	< 58	U	360	58	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22RE

Client ID: BS-128-12DUPRE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/4/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BD000767.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-15B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 54	U U	360	54	ug/Kg
Benzo(g,h,i)perylene	110	J J	360	47	ug/Kg
SURROGATES					
2-Fluorophenol	74.9	25 %	25 - 121		SPK: 300
Phenol-d5	115.25	38 %	24 - 113		SPK: 300
Nitrobenzene-d5	144.78	72 %	23 - 120		SPK: 200
Fluorobiphenyl	53.22	27 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	52.9	18 %	19 - 122		SPK: 300
Terphenyl-d14	75.18	38 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	69879	6.14			
Naphthalene-d8	275551	8.01			
Acenaphthene-d10	135513	9.87			
Phenanthrene-d10	216581	11.25			
Chrysene-d12	90138	14.04			
Perylene-d12	32580	16.38			

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 8, 2002

Laboratory Project: P3097

Analytical parameters: PCBs by method 8082- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-6 0'-4'	BS-10 0'-4'
	BS-6 4'-8'	BS-10 4'-8'
	BS-6 8'-12'	BS-10 8'-12'
	BS-7 0'-4'	BS-11 0'-4'
	BS-7 4'-8'	BS-11 4'-8'
	BS-7 8'-12'	BS-11 8'-12'
	BS-8 0'-4'	BS-12 0'-4'
	BS-8 4'-8'	BS-12 4'-8'
	BS-8 8'-12'	BS-12 8'-12'
	BS-9 0'-4'	BS-12 8'-12' DUP
	BS-9 4'-8'	BS-12 8'-12' MS
	BS-9 8'-12'	BS-12 8'-12' MSD

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8082, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % moisture less than 50 % for all soil samples?	<u>Yes</u>	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
10. Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
11. Were the midpoint check std. within the acceptance criteria?	<u>Yes</u>	No	NA
12. Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
13. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
14. Were system monitoring compounds within the acceptance limits?	<u>Yes</u>	No	NA
15. Were matrix spike/matrix spike.duplicate (MS/MSD) analyzed at the correct frequency?	<u>Yes</u>	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	<u>Yes</u>	No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	<u>Yes</u>	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	<u>Yes</u>	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	NA
20. Were dilutions made appropriately?	<u>Yes</u>	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

COMMENTS:

The following samples were diluted before analysis due to sample matrix:

BS-7 0'-4'

BS-7 4'-8'

The following samples were diluted due to high concentration of target compounds:

BS-10 4'-8'

BS-12 8'-12'

The Surrogate recoveries in the following samples did not meet QC requirements due to matrix interference. The surrogates are bias high due to co-eluting interferences. The following samples are flagged with a "J" qualifier.

BS-11 8'-12'

BS-10 4'-8'

BS-7 4'-8'

Non-detected analytes do not require qualification.

All other QC requirements were met. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-01

Client ID: BS-60-4

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 2.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7217.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.2	U	17	5.2	ug/Kg
AROCLOR 1221	< 1.3	U	17	1.3	ug/Kg
AROCLOR 1232	< 8.0	U	17	8.0	ug/Kg
AROCLOR 1242	< 2.2	U	17	2.2	ug/Kg
AROCLOR 1248	< 5.5	U	17	5.5	ug/Kg
AROCLOR 1254	< 11	U	17	11	ug/Kg
AROCLOR 1260	< 2.0	U	17	2.0	ug/Kg
SURROGATES					
Trichloro-m-xylene	19.04	95 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.88	99 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-02

Client ID: BS-64-8

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 11.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7218.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.8	U	19	5.8	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 9.0	U	19	9.0	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.2	U	19	6.2	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	< 2.2	U	19	2.2	ug/Kg
SURROGATES					
7-chloro-m-xylene	14.59	73 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.14	71 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-03

Client ID: BS-68-12

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7219.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	19	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	19	6.0	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	180		19	2.2	ug/Kg
SURROGATES					
Chloro-m-xylene	19.71	99 %	24 - 151		SPK: 20
Decachlorobiphenyl	17.99	90 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-04

Client ID: BS-70-4

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 24.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7246.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 67	U	220	67	ug/Kg
AROCLOR 1221	< 17	U	220	17	ug/Kg
AROCLOR 1232	< 100	U	220	100	ug/Kg
AROCLOR 1242	< 28	U	220	28	ug/Kg
AROCLOR 1248	< 70	U	220	70	ug/Kg
AROCLOR 1254	820		220	140	ug/Kg
AROCLOR 1260	< 26	U	220	26	ug/Kg
SURROGATES					
1,2,4-trichloro-m-xylene	18	90 %	24 - 151		SPK: 20
Decachlorobiphenyl	29.2	146 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-05

Client ID: BS-74-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 1.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7247.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 52	U	170	52	ug/Kg
AROCLOR 1221	< 13	U	170	13	ug/Kg
AROCLOR 1232	< 79	U	170	79	ug/Kg
AROCLOR 1242	1600		170	22	ug/Kg
AROCLOR 1248	< 55	U	170	55	ug/Kg
AROCLOR 1254	< 110	U	170	110	ug/Kg
AROCLOR 1260	< 20	U	170	20	ug/Kg
SURROGATES					
2,4-dichloro-m-xylene	18.3	92 %	24 - 151		SPK: 20
Decachlorobiphenyl	71.2	356 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-06

Client ID: BS-78-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7222.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 6.0

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	16.49	82 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.6	73 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-07

Client ID: BS-80-4

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 8.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7223.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.2	U	18	2.2	ug/Kg
SURROGATES					
Trichloro-m-xylene	16.19	81 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.07	80 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-08

Client ID: BS-84-8

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 11.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7224.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.8	U	19	5.8	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 8.9	U	19	8.9	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	74		19	12	ug/Kg
AROCLOR 1260	< 2.2	U	19	2.2	ug/Kg
SURROGATES					
1,2,4-trichloro-m-xylene	16.14	81 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.03	70 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-09

Client ID: BS-88-12

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 17.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7225.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 6.2	U	20	6.2	ug/Kg
AROCLOR 1221	< 1.6	U	20	1.6	ug/Kg
AROCLOR 1232	< 9.6	U	20	9.6	ug/Kg
AROCLOR 1242	< 2.6	U	20	2.6	ug/Kg
AROCLOR 1248	< 6.6	U	20	6.6	ug/Kg
AROCLOR 1254	< 13	U	20	13	ug/Kg
AROCLOR 1260	< 2.4	U	20	2.4	ug/Kg
SURROGATES					
7-chloro-m-xylene	15.79	79 %	24 - 151		SPK: 20
Decachlorobiphenyl	27.5	138 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-10

Client ID: BS-90-4

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 4.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7226.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.4	U	18	5.4	ug/Kg
AROCLOR 1221	< 1.3	U	18	1.3	ug/Kg
AROCLOR 1232	< 8.3	U	18	8.3	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.7	U	18	5.7	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	18.95	95 %	24 - 151		SPK: 20
Decachlorobiphenyl	17.62	88 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-11

Client ID: BS-94-8

Date Collected: 6/19/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 4.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7227.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.4	U	18	5.4	ug/Kg
AROCLOR 1221	< 1.3	U	18	1.3	ug/Kg
AROCLOR 1232	< 8.3	U	18	8.3	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.7	U	18	5.7	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	38		18	2.1	ug/Kg
SURROGATES					
1,2,4-trichloro-m-xylene	17.94	90 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.92	80 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-12

Client ID: BS-98-12

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 4.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7231.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.3	U	17	5.3	ug/Kg
AROCLOR 1221	< 1.3	U	17	1.3	ug/Kg
AROCLOR 1232	< 8.2	U	17	8.2	ug/Kg
AROCLOR 1242	< 2.3	U	17	2.3	ug/Kg
AROCLOR 1248	< 5.7	U	17	5.7	ug/Kg
AROCLOR 1254	< 11	U	17	11	ug/Kg
AROCLOR 1260	40		17	2.1	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	17.72	89 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.77	74 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-13

Client ID: BS-100-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7232.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 8.0

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	140		18	2.2	ug/Kg
SPROGATES					
1-chloro-m-xylene	16.01	80 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.07	75 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14

Client ID: BS-104-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7233.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	310	U	18	2.2	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	17.94	90 %	24 - 151		SPK: 20
Decachlorobiphenyl	48.75	244 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

TDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-14

Client ID: BS-104-8DL

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7248.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 56	U	180	56	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 86	U	180	86	ug/Kg
AROCLOR 1242	< 24	U	180	24	ug/Kg
AROCLOR 1248	< 59	U	180	59	ug/Kg
AROCLOR 1254	800		180	110	ug/Kg
AROCLOR 1260	< 22	U	180	22	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	19.1	96 %	24 - 151		SPK: 20
Decachlorobiphenyl	39.7	199 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-15

Client ID: BS-108-12

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 8.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7234.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	120		18	2.1	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	16.05	80 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.29	76 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

LDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-16

Client ID: BS-110-4

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 4.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7235.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.3	U	17	5.3	ug/Kg
AROCLOR 1221	< 1.3	U	17	1.3	ug/Kg
AROCLOR 1232	< 8.2	U	17	8.2	ug/Kg
AROCLOR 1242	< 2.3	U	17	2.3	ug/Kg
AROCLOR 1248	< 5.6	U	17	5.6	ug/Kg
AROCLOR 1254	110		17	11	ug/Kg
AROCLOR 1260	< 2.0	U	17	2.0	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	20.45	102 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.47	77 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-17

Client ID: BS-114-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 11.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7236.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.8	U	19	8.8	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	120		19	12	ug/Kg
AROCLOR 1260	110		19	2.2	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.04	85 %	24 - 151		SPK: 20
Decachlorobiphenyl	26.44	132 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-18

Client ID: BS-118-12

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 14.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7237.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.9	U	19	5.9	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 9.1	U	19	9.1	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.2	U	19	6.2	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	< 2.3	U	19	2.3	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.26	86 %	24 - 151		SPK: 20
Decachlorobiphenyl	35.03	175 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

WDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-19

Client ID: BS-120-4

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 5.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7238.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.4	U	18	5.4	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SUBROGATES					
1,2-dichloro-m-xylene	16.85	84 %	24 - 151		SPK: 20
Decachlorobiphenyl	20.34	102 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-20

Client ID: BS-124-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7239.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	260		18	2.1	ug/Kg
SURROGATES					
Toluene-m-xylene	16.54	83 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.68	68 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

OG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21

Client ID: BS-128-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7240.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 5.0

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	150		18	2.1	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	18.79	94 %	24 - 151		SPK: 20
Decachlorobiphenyl	26.28	131 %	24 - 151		SPK: 20

PCB
SW-846

LOG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-21

Client ID: BS-128-12DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7249.D

Dilution: 10

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 5.0

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 55	U	180	55	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 84	U	180	84	ug/Kg
AROCLOR 1242	< 23	U	180	23	ug/Kg
AROCLOR 1248	< 58	U	180	58	ug/Kg
AROCLOR 1254	520		180	110	ug/Kg
AROCLOR 1260	< 21	U	180	21	ug/Kg
SURROGATES					
1,2,4-Trichloro-m-xylene	18.6	93 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.3	97 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

VG No.: P3097-01

Client: MAC Consultants, Inc.

Sample ID: P3097-22

Client ID: BS-128-12DUP

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 10.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7250.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.8	U	19	5.8	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.9	U	19	8.9	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	300		19	12	ug/Kg
AROCLOR 1260	< 2.2	U	19	2.2	ug/Kg
SUBSTITUTES					
Trichloro-m-xylene	25.4	127 %	24 - 151		SPK: 20
Decachlorobiphenyl	24.35	122 %	24 - 151		SPK: 20

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

Prepared By: Carole Collins

Laboratory Name: Chemtech

Date: August 8, 2002

Laboratory Project #: P3097

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-6 0'-4'	BS-10 0'-4'
	BS-6 4'-8'	BS-10 4'-8'
	BS-6 8'-12'	BS-10 8'-12'
	BS-7 0'-4'	BS-11 0'-4'
	BS-7 4'-8'	BS-11 4'-8'
	BS-7 8'-12'	BS-11 8'-12'
	BS-8 0'-4'	BS-12 0'-4'
	BS-8 4'-8'	BS-12 4'-8'
	BS-8 8'-12'	BS-12 8'-12'
	BS-9 0'-4'	BS-12 8'-12' DUP
	BS-9 4'-8'	BS-12 8'-12' MS
	BS-9 8'-12'	BS-12 8'-12' MSD

Analytical Parameters: TAL Metals and Mercury

The DUSR was prepared by reviewing and evaluating the analytical data per the Region II guidelines from USEPA, Revision II/January 92 Inorganics analysis and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holing times met for all matrices and analytical parameter (metals, mercury, cyanide)?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % solids greater than 50% for all soils samples?	☒ Yes	No	NA
9. Were preparation log/distillation log provided for all the analytes?	☒ Yes	No	NA
10. Did the preservation/distillation log include all the information about weight/volume and preparation date(s)?	☒ Yes	No	NA
11. Were there raw data included for all the analytes?	☒ Yes	No	NA
12. Were the instrument(s) calibrated correctly using proper standards?	☒ Yes	No	NA
13. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
14. Were the initial and continuing calibration within the acceptance criteria?	☒ Yes	No	NA
15. Were CRDL standard(s) run at the beginning and end of each run?	☒ Yes	No	NA
16. Were percent recoveries (%R) for CRDL standard within the acceptance criteria?	☒ Yes	No	NA
17. Were the calibration blanks less than CRDL?	☒ Yes	No	NA
18. Were the preparation blanks free of contaminants?	☒ Yes	No	NA
19. Were the field blank free of contaminants?	Yes	No	☒ NA
20. Were ICP Interference Check Samples (ICS) analyzed at the beginning and end of each ICP run?	☒ Yes	No	NA
21. Were percent recoveries (%R) for ICS within the acceptance criteria?	☒ Yes	No	NA
22. Was the matrix spike (MS) analysis performed at the required frequency?	☒ Yes	No	NA
23. Did the MS meet the percent recovery (%R) criteria?	Yes	☒ No	NA
24. Was the post digestion spike sample analysis performed when required?	☒ Yes	No	NA
25. Was the laboratory duplicate analysis performed at the	☒ Yes	No	NA

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3097

- required frequency?
- | | | | |
|--|--------------------------------------|-------------------------------------|-------------------------------------|
| 26. Did the duplicate analysis meet the Relative Percent Difference (RPD) acceptance criteria? | Yes | ☒ No | NA |
| 27. Did the results for any field duplicate samples meet expected precision requirements? | Yes | ☒ No | NA |
| 28. Was the Laboratory Control Sample analysis performed for each matrix and analysis at the required frequency? | ☒ Yes | No | NA |
| 29. Did the LCS meet the percent recovery (%R) criteria? | ☒ Yes | No | NA |
| 30. Was ICP Serial Dilution analysis performed at the required frequency? | ☒ Yes | No | NA |
| 31. Did the ICP serial dilution analysis meet the percent difference (%D) criteria? | Yes | ☒ No | NA |
| 32. Was proper quantitation procedure followed for Method of Standard Addition (MSA) analysis? | Yes | No | ☒ NA |
| 33. Was coefficient of correlation greater than 0.0995 for MSA analysis? | Yes | No | ☒ NA |
| 34. Were there any analysis performed for dissolved as total analysis? | Yes | No | ☒ NA |
| 35. Was the concentration of any dissolved analyte greater than its total concentration by 10%? | Yes | No | ☒ NA |
| 36. Did the laboratory submit Instrument Detection Limit (IDL), ICP linear ranges and ICP Interelement Correction Factors? | ☒ Yes | No | NA |
| 37. Were dilutions made appropriately when required? | ☒ Yes | No | NA |
| 38. No discrepancies were noted when review of raw data (instrument printouts) was performed. | ☒ Yes | No | NA |
| 39. Were results reported in correct units and soil samples corrected for % solid? | ☒ Yes | No | NA |

If NO for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3097

COMMENTS:

The recoveries for the MS and MSD did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. Samples associated with the spike sample are flagged with "N" qualifier for:

Magnesium.

The recoveries for the MS and MSD did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. Samples associated with the spike sample are flagged with "N" qualifier for:

Mercury

Iron

Serial Dilution did not meet QC requirements for the following metals due to a chemical or physical interference effect must be suspected. The samples associated with the serial dilution are flagged with an "E" qualifier for:

Potassium

Copper

Zinc

The samples for the MS/MSD and Duplicate were field sampled. The non-homogeneous nature of soil samples is suspect.

The analytes are flagged with "J" qualifiers.

All other QC requirements were meet. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-01Client ID: BS-60-4Contract: MAC Consultants, Inc.Lab Code: CHEMEDCase No.: SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 98

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4600	mg/Kg			P	0.74	P2	P260621
7440-36-0	Antimony	0.48	mg/Kg	U		P	0.48	P2	P260621
7440-38-2	Arsenic	3.2	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	23.2	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.23	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	14600	mg/Kg			P	0.67	P2	P260621
7440-47-3	Chromium	8.1	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.9	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	6.0	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	7740	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	18.5	mg/Kg			P	0.21	P2	P260621
7439-95-4	Magnesium	987	mg/Kg			P	0.97	P2	P260621
7439-96-5	Manganese	146	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.02	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	3.5	mg/Kg	B		P	0.18	P2	P260621
7440-09-7	Potassium	373	mg/Kg	B	E	P	2.0	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.10	mg/Kg	U		P	0.10	P2	P260621
7440-23-5	Sodium	121	mg/Kg	B		P	36.1	P2	P260621
7440-28-0	Thallium	0.55	mg/Kg	U		P	0.55	P2	P260621
7440-62-2	Vanadium	10.4	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	22.5	mg/Kg			P	0.11	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-02

Client ID: BS-64-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 89

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5070	mg/Kg			P	0.82	P2	P260621
7440-36-0	Antimony	0.53	mg/Kg	U		P	0.53	P2	P260621
7440-38-2	Arsenic	4.0	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	16.6	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.19	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	2460	mg/Kg			P	0.74	P2	P260621
7440-47-3	Chromium	7.2	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.4	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	7.1	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	6770	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	8.2	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	776	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	71.5	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg	U		CV	0.01	CV1	062702B
7440-02-0	Nickel	2.6	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	250	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.34	mg/Kg	U		P	0.34	P2	P260621
7440-22-4	Silver	0.14	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	84.0	mg/Kg	B		P	39.8	P2	P260621
7440-28-0	Thallium	0.61	mg/Kg	U		P	0.61	P2	P260621
7440-62-2	Vanadium	10.6	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	17.8	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-03

Client ID: BS-68-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	7340	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.95	mg/Kg	B		P	0.52	P2	P260621
7440-38-2	Arsenic	4.8	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	25.4	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.29	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.23	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	1920	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	15.7	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	9.8	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	9810	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	21.5	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1260	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	83.6	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.10	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	6.3	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	454	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.52	mg/Kg	B		P	0.33	P2	P260621
7440-22-4	Silver	0.15	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	97.8	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	18.1	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	29.8	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-04

Client ID: BS-70-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 76

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	17200	mg/Kg			P	0.96	P2	P260621
7440-36-0	Antimony	0.62	mg/Kg	U		P	0.62	P2	P260621
7440-38-2	Arsenic	5.3	mg/Kg			P	0.37	P2	P260621
7440-39-3	Barium	31.7	mg/Kg			P	0.11	P2	P260621
7440-41-7	Beryllium	0.50	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.05	mg/Kg	U		P	0.05	P2	P260621
7440-70-2	Calcium	2170	mg/Kg			P	0.87	P2	P260621
7440-47-3	Chromium	18.8	mg/Kg			P	0.08	P2	P260621
7440-48-4	Cobalt	6.1	mg/Kg	B		P	0.08	P2	P260621
7440-50-8	Copper	8.1	mg/Kg		E	P	0.12	P2	P260621
7439-89-6	Iron	19300	mg/Kg			P	2.3	P2	P260621
7439-92-1	Lead	10.4	mg/Kg			P	0.28	P2	P260621
7439-95-4	Magnesium	1900	mg/Kg			P	1.2	P2	P260621
7439-96-5	Manganese	134	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.04	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	12.1	mg/Kg			P	0.24	P2	P260621
7440-09-7	Potassium	659	mg/Kg		E	P	2.6	P2	P260621
7782-49-2	Selenium	0.39	mg/Kg	U		P	0.39	P2	P260621
7440-22-4	Silver	0.15	mg/Kg	B		P	0.13	P2	P260621
7440-23-5	Sodium	106	mg/Kg	B		P	46.6	P2	P260621
7440-28-0	Thallium	0.71	mg/Kg	U		P	0.71	P2	P260621
7440-62-2	Vanadium	29.0	mg/Kg			P	0.09	P2	P260621
7440-66-6	Zinc	23.9	mg/Kg			P	0.14	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-05Client ID: BS-74-8Contract: MAC Consultants, Inc.Lab Code: CHEMED

Case No.: _____

SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 99

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5280	mg/Kg			P	0.74	P2	P260621
7440-36-0	Antimony	1.2	mg/Kg	B		P	0.47	P2	P260621
7440-38-2	Arsenic	7.7	mg/Kg			P	0.28	P2	P260621
7440-39-3	Barium	178	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.23	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	3.9	mg/Kg			P	0.04	P2	P260621
7440-70-2	Calcium	21900	mg/Kg			P	0.67	P2	P260621
7440-47-3	Chromium	14.6	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	4.0	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	26.4	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	9130	mg/Kg			P	1.7	P2	P260621
7439-92-1	Lead	48.7	mg/Kg			P	0.21	P2	P260621
7439-95-4	Magnesium	2180	mg/Kg			P	0.96	P2	P260621
7439-96-5	Manganese	133	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.21	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	9.6	mg/Kg			P	0.18	P2	P260621
7440-09-7	Potassium	502	mg/Kg	B	E	P	2.0	P2	P260621
7782-49-2	Selenium	0.30	mg/Kg	U		P	0.30	P2	P260621
7440-22-4	Silver	0.22	mg/Kg	B		P	0.10	P2	P260621
7440-23-5	Sodium	164	mg/Kg	B		P	35.7	P2	P260621
7440-28-0	Thallium	0.55	mg/Kg	U		P	0.55	P2	P260621
7440-62-2	Vanadium	29.2	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	154	mg/Kg			P	0.11	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-06

Client ID: BS-78-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 94

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4000	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.50	mg/Kg	U		P	0.50	P2	P260621
7440-38-2	Arsenic	2.4	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	12.4	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.19	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	1450	mg/Kg			P	0.70	P2	P260621
7440-47-3	Chromium	6.2	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.4	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	5.6	mg/Kg		E 5	P	0.10	P2	P260621
7439-89-6	Iron	7610	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	7.0	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	652	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	117	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.03	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	2.4	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	235	mg/Kg	B	E 5	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	109	mg/Kg	B		P	37.6	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	8.4	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	13.5	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-07

Client ID: BS-80-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 92

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4410	mg/Kg			P	0.79	P2	P260621
7440-36-0	Antimony	8.0	mg/Kg			P	0.51	P2	P260621
7440-38-2	Arsenic	4.7	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	18.0	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.29	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	1670	mg/Kg			P	0.72	P2	P260621
7440-47-3	Chromium	14.5	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	16.7	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7620	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	283	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	623	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	100	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.05	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	3.6	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	233	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.15	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	115	mg/Kg	B		P	38.5	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	15.5	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	28.6	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-08

Client ID: BS-84-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 89

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6320	mg/Kg			P	0.82	P2	P260621
7440-36-0	Antimony	0.53	mg/Kg	U		P	0.53	P2	P260621
7440-38-2	Arsenic	3.1	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	35.5	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.70	mg/Kg			P	0.04	P2	P260621
7440-70-2	Calcium	1650	mg/Kg			P	0.74	P2	P260621
7440-47-3	Chromium	11.1	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	11.9	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	9730	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	12.3	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	892	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	108	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.05	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	12.9	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	262	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.34	mg/Kg	U		P	0.34	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	94.1	mg/Kg	B		P	39.8	P2	P260621
7440-28-0	Thallium	0.61	mg/Kg	U		P	0.61	P2	P260621
7440-62-2	Vanadium	12.5	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	19.7	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-09

Client ID: BS-88-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 85

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	10400	mg/Kg			P	0.88	P2	P260621
7440-36-0	Antimony	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-38-2	Arsenic	5.6	mg/Kg			P	0.34	P2	P260621
7440-39-3	Barium	37.5	mg/Kg			P	0.10	P2	P260621
7440-41-7	Beryllium	0.37	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.44	mg/Kg	B		P	0.05	P2	P260621
7440-70-2	Calcium	3380	mg/Kg			P	0.80	P2	P260621
7440-47-3	Chromium	13.8	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	5.0	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	15.4	mg/Kg		E	P	0.11	P2	P260621
7439-89-6	Iron	13500	mg/Kg			P	2.1	P2	P260621
7439-92-1	Lead	27.7	mg/Kg			P	0.25	P2	P260621
7439-95-4	Magnesium	2000	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	166	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.23	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	7.0	mg/Kg			P	0.22	P2	P260621
7440-09-7	Potassium	460	mg/Kg	B	E	P	2.4	P2	P260621
7782-49-2	Selenium	0.36	mg/Kg	U		P	0.36	P2	P260621
7440-22-4	Silver	0.12	mg/Kg	U		P	0.12	P2	P260621
7440-23-5	Sodium	91.5	mg/Kg	B		P	42.6	P2	P260621
7440-28-0	Thallium	0.65	mg/Kg	U		P	0.65	P2	P260621
7440-62-2	Vanadium	21.1	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	32.0	mg/Kg			P	0.13	P2	P260621

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-10Client ID: BS-90-4Contract: MAC Consultants, Inc.Lab Code: CHEMED

Case No.: _____

SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 96

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3360	mg/Kg			P	0.76	P2	P260621
7440-36-0	Antimony	0.67	mg/Kg	B		P	0.49	P2	P260621
7440-38-2	Arsenic	1.9	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	23.3	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.17	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.46	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	17200	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	11.4	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.9	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	5.2	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	5300	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	8.4	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	1360	mg/Kg			P	0.99	P2	P260621
7439-96-5	Manganese	86.6	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	4.2	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	405	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.10	mg/Kg	U		P	0.10	P2	P260621
7440-23-5	Sodium	149	mg/Kg	B		P	36.9	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	6.9	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	16.3	mg/Kg			P	0.11	P2	P260621

NOTES

SDG No.: P3097

Method Type: SW846

Clarity Before: _____

Texture: MEDIUM

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW/846

Sample ID: P3097-11

Client ID: BS-94-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 96

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2540	mg/Kg			P	0.76	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	1.9	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	11.9	mg/Kg	B		P	0.08	P2	P260621
7440-41-7	Beryllium	0.14	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	4660	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	5.6	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.6	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	3.8	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	4110	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	5.7	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	564	mg/Kg			P	0.99	P2	P260621
7439-96-5	Manganese	79.7	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.03	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	2.0	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	201	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.10	mg/Kg	U		P	0.10	P2	P260621
7440-23-5	Sodium	110	mg/Kg	B		P	36.9	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	6.1	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	9.1	mg/Kg			P	0.11	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-12Client ID: BS-98-12Contract: MAC Consultants, Inc.Lab Code: CHEMED

Case No.: _____

SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 96

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2790	mg/Kg			P	0.76	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	1.9	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	9.9	mg/Kg	B		P	0.08	P2	P260621
7440-41-7	Beryllium	0.15	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	2430	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	4.9	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.1	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	6.5	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	10600	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	4.4	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	647	mg/Kg			P	0.99	P2	P260621
7439-96-5	Manganese	106	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	3.3	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	301	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.28	mg/Kg	B		P	0.10	P2	P260621
7440-23-5	Sodium	78.8	mg/Kg	B		P	36.9	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	7.1	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	10.9	mg/Kg			P	0.11	P2	P260621

SDG No.: P3097

Method Type: SW846

Clarity Before: _____

Texture: MEDIUM

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW'846Sample ID: P3097-13Client ID: BS-100-4Contract: MAC Consultants, Inc.Lab Code: CHEMEDCase No.: SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 92

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6570	mg/Kg			P	0.79	P2	P260621
7440-36-0	Antimony	0.73	mg/Kg	B		P	0.51	P2	P260621
7440-38-2	Arsenic	3.6	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	28.5	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	11600	mg/Kg			P	0.72	P2	P260621
7440-47-3	Chromium	10.4	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	8.5	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	8360	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	17.9	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1360	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	118	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.23	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	4.3	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	403	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.12	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	114	mg/Kg	B		P	38.5	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	13.8	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	27.5	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW'846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-14Client ID: BS-104-8Contract: MAC Consultants, Inc.Lab Code: CHEMEDCase No.: SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5480	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	1.1	mg/Kg	B		P	0.52	P2	P260621
7440-38-2	Arsenic	3.0	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	144	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.25	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.49	mg/Kg	B		P	0.04	P2	P260621
7440-50-2	Calcium	24100	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	31.4	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.9	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	12.0	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7650	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	122	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	3390	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	153	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.07	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	4.4	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	497	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.23	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	146	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	13.4	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	180	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3097Method Type: SW846Sample ID: P3097-15Client ID: BS-108-12Contract: MAC Consultants, Inc.Lab Code: CHEMED

Case No.: _____

SAS No.: P3097Matrix: SOILDate Received: 6/21/02Level: LOW% Solids: 92

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4850	mg/Kg			P	0.79	P2	P260621
7440-36-0	Antimony	0.86	mg/Kg	B		P	0.51	P2	P260621
7440-38-2	Arsenic	4.2	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	19.4	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	15100	mg/Kg			P	0.72	P2	P260621
7440-47-3	Chromium	9.6	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	7.5	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	6890	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	13.4	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	2310	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	88.6	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.05	mg/Kg			CV	0.01	CV1	062702B
7440-02-0	Nickel	4.5	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	433	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	137	mg/Kg	B		P	38.5	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	10.3	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	24.0	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-16

Client ID: BS-110-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 96

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2460	mg/Kg			P	0.76	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	1.5	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	10.9	mg/Kg	B		P	0.08	P2	P260621
7440-41-7	Beryllium	0.14	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	1030	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	4.9	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.8	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	3.6	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	4930	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	3.3	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	556	mg/Kg			P	0.99	P2	P260621
7439-96-5	Manganese	93.1	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.05	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	1.5	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	186	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.10	mg/Kg	U		P	0.10	P2	P260621
7440-23-5	Sodium	99.1	mg/Kg	B		P	36.9	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	5.6	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	9.2	mg/Kg			P	0.11	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-17

Client ID: BS-114-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 89

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5650	mg/Kg			P	0.82	P2	P260621
7440-36-0	Antimony	0.53	mg/Kg	U		P	0.53	P2	P260621
7440-38-2	Arsenic	4.4	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	67.9	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.08	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	20200	mg/Kg			P	0.74	P2	P260621
7440-47-3	Chromium	11.3	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.5	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	13.7	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	8560	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	32.3	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	1540	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	122	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.16	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.4	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	543	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.41	mg/Kg	B		P	0.34	P2	P260621
7440-22-4	Silver	0.66	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	207	mg/Kg	B		P	39.8	P2	P260621
7440-28-0	Thallium	0.61	mg/Kg	U		P	0.61	P2	P260621
7440-62-2	Vanadium	13.5	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	67.2	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-18

Client ID: BS-118-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 86

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3110	mg/Kg			P	0.85	P2	P260621
7440-36-0	Antimony	0.55	mg/Kg	U		P	0.55	P2	P260621
7440-38-2	Arsenic	1.8	mg/Kg			P	0.33	P2	P260621
7440-39-3	Barium	26.7	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.16	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.10	mg/Kg	B		P	0.05	P2	P260621
7440-70-2	Calcium	15700	mg/Kg			P	0.77	P2	P260621
7440-47-3	Chromium	9.6	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	6.0	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	4980	mg/Kg			P	2.0	P2	P260621
7439-92-1	Lead	9.7	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	1200	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	90.2	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.09	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.2	mg/Kg	B		P	0.21	P2	P260621
7440-09-7	Potassium	221	mg/Kg	B	E	P	2.3	P2	P260621
7782-49-2	Selenium	0.35	mg/Kg	U		P	0.35	P2	P260621
7440-22-4	Silver	0.12	mg/Kg	U		P	0.12	P2	P260621
7440-23-5	Sodium	155	mg/Kg	B		P	41.1	P2	P260621
7440-28-0	Thallium	0.63	mg/Kg	U		P	0.63	P2	P260621
7440-62-2	Vanadium	6.4	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	20.1	mg/Kg			P	0.13	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-19

Client ID: BS-120-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 95

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2770	mg/Kg			P	0.77	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	1.4	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	24.8	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.18	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-50-2	Calcium	9460	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	4.6	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.8	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	6.6	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	4140	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	20.7	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	1000	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	127	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.07	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	1.8	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	215	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	142	mg/Kg	B		P	37.2	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	6.0	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	32.1	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-20

Client ID: BS-124-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 93

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5620	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.51	mg/Kg	U		P	0.51	P2	P260621
7440-38-2	Arsenic	2.6	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	19.3	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.21	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	3080	mg/Kg			P	0.71	P2	P260621
7440-47-3	Chromium	7.5	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	5.7	mg/Kg			P	0.06	P2	P260621
7440-50-8	Copper	5.7	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7590	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	7.7	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	2240	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	201	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.02	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.3	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	290	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	101	mg/Kg	B		P	38.0	P2	P260621
7440-28-0	Thallium	0.58	mg/Kg	U		P	0.58	P2	P260621
7440-62-2	Vanadium	11.3	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	16.2	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-21

Client ID: BS-128-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 95

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2980	mg/Kg			P	0.77	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	1.7	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	21.3	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.14	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.10	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	5360	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	52.7	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.8	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	9.0	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	5060	mg/Kg		*	P	1.8	P2	P260621
7439-92-1	Lead	23.0	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	1220	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	76.1	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.05	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.5	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	234	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.60	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	102	mg/Kg	B		P	37.2	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	7.0	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	27.9	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3097

Method Type: SW846

Sample ID: P3097-22

Client ID: BS-128-12DUP

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3097

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 90

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6310	mg/Kg			P	0.81	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	2.5	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	24.3	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.19	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.97	mg/Kg			P	0.04	P2	P260621
7440-70-2	Calcium	4690	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	28.0	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	1.8	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	5.4	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	6280	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	10.2	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1010	mg/Kg		N	P	1.1	P2	P260621
7439-96-5	Manganese	68.9	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.03	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.5	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	209	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.21	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	111	mg/Kg	B		P	39.3	P2	P260621
7440-28-0	Thallium	0.60	mg/Kg	U		P	0.60	P2	P260621
7440-62-2	Vanadium	13.7	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	27.7	mg/Kg		E	P	0.12	P2	P260621

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3089

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 7, 2002

Laboratory Project: P3089

Analytical parameters: Volatile Organics by method 8260- SW846/TO-14

Sample (s) Taken: June 20, 2002

Sample Matrix: Water

Client Sample ID: TRIP BLANK

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8260, SW846/TO-14 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3089

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % moisture less than 50 % for all soil samples?	Yes	No	<u>NA</u>
9. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
10. Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
11. Were the midpoint check std. within the acceptance criteria?	<u>Yes</u>	No	NA
12. Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
13. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
14. Were system monitoring compounds within the acceptance limits?	<u>Yes</u>	No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) Analyzed at the correct frequency?	Yes	No	<u>NA</u>
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	No	<u>NA</u>
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	<u>Yes</u>	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	Yes	No	<u>NA</u>
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	<u>NA</u>
20. Were dilutions made appropriately?	<u>Yes</u>	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3089

COMMENTS:

All QC requirements meet. Data usability acceptable.

R= Rejected

J= Estimated

Reviewer Signature: Carole Collins

Date 2/16/02

Volatiles

SW-846

SDG No.: P3089-01

Client: MAC Consultants, Inc.

Sample ID: P3089-14

Client ID: TRIPBLANK

Date Collected: 6/20/02

Date Received: 6/21/02

Date Analyzed: 6/24/02

Matrix: WATER

File ID: VD062406.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSVOAD

Analytical Method: 8260

Associated Blank: VBD0624W1

Sample Wt/Wol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 0.51	U	5.0	0.51	ug/L
Bromomethane	74-83-9	< 0.38	U	5.0	0.38	ug/L
Vinyl chloride	75-01-4	< 0.79	U	5.0	0.79	ug/L
Chloroethane	75-00-3	< 2.4	U	5.0	2.4	ug/L
Methylene Chloride	75-09-2	< 1.8	U	5.0	1.8	ug/L
Acetone	67-64-1	< 3.5	U	5.0	3.5	ug/L
Carbon disulfide	75-15-0	< 0.72	U	5.0	0.72	ug/L
Dichloroethene	75-35-4	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethane	75-34-3	< 0.66	U	5.0	0.66	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.81	U	5.0	0.81	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.62	U	5.0	0.62	ug/L
Chloroform	67-66-3	< 0.61	U	5.0	0.61	ug/L
1,2-Dichloroethane	107-06-2	< 0.56	U	5.0	0.56	ug/L
2-Butanone	78-93-3	< 2.3	U	5.0	2.3	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.75	U	5.0	0.75	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
Bromodichloromethane	75-27-4	< 0.73	U	5.0	0.73	ug/L
1,2-Dichloropropane	78-87-5	< 0.73	U	5.0	0.73	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.66	U	5.0	0.66	ug/L
Trichloroethene	79-01-6	< 0.72	U	5.0	0.72	ug/L
Dibromochloromethane	124-48-1	< 0.66	U	5.0	0.66	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.62	U	5.0	0.62	ug/L
Benzene	71-43-2	< 0.71	U	5.0	0.71	ug/L
t-1,3-Dichloropropene	10061-02-6	< 0.66	U	5.0	0.66	ug/L
Bromoform	75-25-2	< 0.49	U	5.0	0.49	ug/L
4-Methyl-2-Pentanone	108-10-1	< 0.81	U	5.0	0.81	ug/L
2-Hexanone	591-78-6	< 0.60	U	5.0	0.60	ug/L
Tetrachloroethene	127-18-4	< 0.70	U	5.0	0.70	ug/L
1,2-Tetrachloroethane	79-34-5	< 0.70	U	5.0	0.70	ug/L
Toluene	108-88-3	< 0.71	U	5.0	0.71	ug/L
Chlorobenzene	108-90-7	< 0.78	U	5.0	0.78	ug/L
Ethyl Benzene	100-41-4	< 0.76	U	5.0	0.76	ug/L
Styrene	100-42-5	< 0.92	U	5.0	0.92	ug/L
m/p-Xylenes	136777-61-2	< 1.5	U	5.0	1.5	ug/L

Volatiles

SW-846

SDG No.: P3089-01

Client: MAC Consultants, Inc.

Sample ID: P3089-14

Client ID: TRIPBLANK

Date Collected: 6/20/02

Date Received: 6/21/02

Date Analyzed: 6/24/02

Matrix: WATER

File ID: VD062406.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSVOAD

Analytical Method: 8260

Associated Blank: VBD0624W1

Sample Wt/Wol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	0.72	0	5.0	0.72	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	43.6	87 %	68 - 135		SPK: 50
Toluene-d8	2037-26-5	51.04	102 %	70 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	49.26	99 %	70 - 125		SPK: 50
Dibromofluoromethane		46.93	94 %	70 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	777696	12.87			
1,2-Difluorobenzene	540-36-3	1346060	15.26			
Chlorobenzene-d5	3114-55-4	1286118	22.80			
1,4-Dichlorobenzene-d4	3855-82-1	509695	29.19			

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3089

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 7, 2002

Laboratory Project: P3089

Analytical parameters: Volatile Organics by method TO-14

Sample (s) Taken: June 20, 2002

Sample Matrix: Air

Client Sample ID:	SG-1	SG-8
	SG-2	SG-9
	SG-3	SG-10
	SG-4	SG-11
	SG-5	SG-12
	SG-6	SG-13
	SG-7	

The DUSR was prepared by reviewing and evaluating the analytical data per the method TO-14 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3089

Data Verification Parameters

Circle One

1) Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2) Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3) Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4) Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5) Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6) Were samples correctly preserved?	<u>Yes</u>	No	NA
7) Was sample preservation documented?	<u>Yes</u>	No	NA
8) Was % moisture less than 50 % for all soil samples?	Yes	No	<u>NA</u>
36) Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
37) Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
38) Were the midpoint check std. within the acceptance criteria?	Yes	No	NA
39) Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
40) Were the field blank free of contaminants?	Yes	No	<u>NA</u>
41) Were system monitoring compounds within the acceptance limits?	Yes	No	<u>NA</u>
42) Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	Yes	No	<u>NA</u>
43) Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	No	<u>NA</u>
44) Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	Yes	No	<u>NA</u>
18) Did the MSB meet the percent recovery (%R) criteria?	Yes	No	<u>NA</u>
19) Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	<u>NA</u>
20) Were dilutions made appropriately?	<u>Yes</u>	No	NA
21) No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22) Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3089

COMMENTS:

All QC requirements meet. Data usability acceptable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/22

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-1
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062404.D

LAB SAMPLE ID: P3089-D
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.225		0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	3.717	E	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE		U	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH
SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
SAMPLE ID: SG-1
PROJECT: ORB
SAMPLE VOL: 0.001L
DATA FILE: VC062405.D

LAB SAMPLE ID: P3089-01DL
DATE SAMPLED: 6/20/02
DATE RECEIVED: 6/21/02
DATE ANALYZED: 6/24/02
DIL FACT: 1.5
ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	3.638
74-83-3	BROMOMETHANE		U	1.932
75-01-4	VINYL CHLORIDE		U	2.934
75-00-3	CHLOROETHANE		U	2.843
75-09-2	METHYLENE CHLORIDE		U	2.160
75-35-4	1,1-DICHLOROETHENE		U	1.892
75-34-3	1,1-DICHLOROETHANE		U	1.852
156-60-5	TRANS-1,2-DICHLOROETHENE		U	1.892
156-59-2	CIS-1,2-DICHLOROETHENE		U	1.892
67-66-3	CHLOROFORM		U	1.536
107-06-2	1,2-DICHLOROETHANE		U	1.852
71-55-6	1,1,1-TRICHLOROETHANE		U	1.375
56-23-5	CARBON TETRACHLORIDE		U	1.192
75-27-4	BROMODICHLOROMETHANE		U	1.120
78-87-5	1,2-DICHLOROPROPANE		U	1.623
79-01-6	TRICHLOROETHENE		U	1.396
75-69-4	TRICHLOROFLUOROMETHANE		U	1.816
71-43-2	BENZENE		U	2.351
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	1.652
124-48-1	DIBROMOCHLOROMETHANE		U	0.881
10061-02-6	T-1,3-DICHLOROPROPENE		U	1.652
79-00-5	1,1,2-TRICHLOROETHANE		U	1.375
127-18-4	TETRACHLOROETHENE	16.869	D	1.106
108-88-3	TOLUENE		U	1.993
108-90-7	CHLOROBENZENE		U	1.629
100-41-4	ETHYL BENZENE		U	1.730
95-47-6	O-XYLENE		U	1.730
1330-20-7	M/P-XYLENE		U	1.730
100-42-5	STYRENE		U	1.761
541-73-1	1,2-DICHLOROBENZENE		U	1.247
95-50-1	1,3-DICHLOROBENZENE		U	1.247
106-46-7	1,4-DICHLOROBENZENE		U	1.247
1634-04-4	METHYL TERT-BUTYL ETHER		U	2.084
75-65-0	TERT-BUTYL ALCOHOL		U	2.478
98-82-8	ISOPROPYLBENZENE		U	1.526
95-63-6	1,2,4-TRIMETHYLBENZENE		U	1.526
108-67-8	1,3,5-TRIMETHYLBENZENE		U	1.526
95-49-8	2-CHLOROTOLUENE		U	1.449
106-43-4	4-CHLOROTOLUENE		U	1.449
75-71-8	DICHLORODIFLUOROMETHANE		U	1.366

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE
QUALIFIERS: U INDICATES COMPOUND NOT DETECTED
D INDICATES VALUES TAKEN FROM DILUTION RUN
E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE
* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-2
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062406.D

LAB SAMPLE ID: P3089-02
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE	0.179		0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE	0.044		0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE	0.021	J	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.239		0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.543		0.036
71-43-2	BENZENE	0.006	J	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.041		0.022
108-88-5	TOLUENE	0.024	J	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE	0.012	J	0.035
1330-20-7	M/P-XYLENE	0.007	J	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.013	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-3
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062407.D

LAB SAMPLE ID: P3069-03
 DATE SAMPLED: 5/20/02
 DATE RECEIVED: 5/21/02
 DATE ANALYZED: 5/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.058		0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.466		0.036
71-43-2	BENZENE	0.005	J	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.107		0.022
108-88-3	TOLUENE	0.007	J	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE	0.004	J	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.007	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-4
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062408.D

LAB SAMPLE ID: P3C89-04
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE	0.013	J	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.009	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.008	J	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE		U	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-5
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062409.D

LAB SAMPLE ID: P3089-05
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.075		0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.057		0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.025		0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS: J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-6
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: \C062410.D

LAB SAMPLE ID: P3089-06
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE		U	0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.006	J	0.036
71-43-2	BENZENE	0.007	J	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.003	J	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.009	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-7
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062411.D

LAB SAMPLE ID: P3069-07
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.027	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.264		0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.007	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH
SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
SAMPLE ID: SG-8
PROJECT: ORB
SAMPLE VOL: 0.05L
DATA FILE: VC062412.D

LAB SAMPLE ID: P3089-08
DATE SAMPLED: 6/20/02
DATE RECEIVED: 6/21/02
DATE ANALYZED: 6/24/02
DIL FACT: 1.5
ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.015	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.013	J	0.036
71-43-2	BENZENE	0.005	J	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.010	J	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-9
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062413.D

LAB SAMPLE ID: P3089-09
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
36-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.071		0.028
75-69-4	TRICHLOROFLUOROMETHANE	0.004	J	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.035
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	TRANS-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.034		0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-10
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062414.D

LAB SAMPLE ID: P3089-10
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.012	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.008	J	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS

J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS:

U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-11
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: V0062415.D

LAB SAMPLE ID: P3089-11
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/24/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE		U	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	1,1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE		U	0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: SG-12
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062416.D

LAB SAMPLE ID: P3089-12
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/25/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE	0.004	J	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.004	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE	0.006	J	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.004	J	0.022
108-88-3	TOLUENE	0.005	J	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.005	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

SUMMA CANNISTER ANALYSIS BY GC/MS VOA

CLIENT: MAC CONSULTANTS, INC
 SAMPLE ID: 5G-13
 PROJECT: ORB
 SAMPLE VOL: 0.05L
 DATA FILE: VC062417.D

LAB SAMPLE ID: P3089-13
 DATE SAMPLED: 6/20/02
 DATE RECEIVED: 6/21/02
 DATE ANALYZED: 6/25/02
 DIL FACT: 1.5
 ANALYST: SR

CAS #	COMPOUND	PPMV	Q	MDL
74-87-3	CHLOROMETHANE		U	0.073
74-83-3	BROMOMETHANE		U	0.039
75-01-4	VINYL CHLORIDE		U	0.059
75-00-3	CHLOROETHANE		U	0.057
75-09-2	METHYLENE CHLORIDE		U	0.043
75-35-4	1,1-DICHLOROETHENE		U	0.038
75-34-3	1,1-DICHLOROETHANE		U	0.037
156-60-5	TRANS-1,2-DICHLOROETHENE		U	0.038
156-59-2	CIS-1,2-DICHLOROETHENE		U	0.038
67-66-3	CHLOROFORM		U	0.031
107-06-2	1,2-DICHLOROETHANE		U	0.037
71-55-6	1,1,1-TRICHLOROETHANE		U	0.027
56-23-5	CARBON TETRACHLORIDE		U	0.024
75-27-4	BROMODICHLOROMETHANE		U	0.022
78-87-5	1,2-DICHLOROPROPANE		U	0.032
79-01-6	TRICHLOROETHENE	0.005	J	0.028
75-69-4	TRICHLOROFLUOROMETHANE		U	0.036
71-43-2	BENZENE		U	0.047
10061-01-5	CIS-1,3-DICHLOROPROPENE		U	0.033
124-48-1	DIBROMOCHLOROMETHANE		U	0.018
10061-02-6	T-1,3-DICHLOROPROPENE		U	0.033
79-00-5	1,1,2-TRICHLOROETHANE		U	0.027
127-18-4	TETRACHLOROETHENE	0.030		0.022
108-88-3	TOLUENE		U	0.040
108-90-7	CHLOROBENZENE		U	0.033
100-41-4	ETHYL BENZENE		U	0.035
95-47-6	O-XYLENE		U	0.035
1330-20-7	M/P-XYLENE		U	0.035
100-42-5	STYRENE		U	0.035
541-73-1	1,2-DICHLOROBENZENE		U	0.025
95-50-1	1,3-DICHLOROBENZENE		U	0.025
106-46-7	1,4-DICHLOROBENZENE		U	0.025
1634-04-4	METHYL TERT-BUTYL ETHER		U	0.042
75-65-0	TERT-BUTYL ALCOHOL		U	0.050
98-82-8	ISOPROPYLBENZENE		U	0.031
95-63-6	1,2,4-TRIMETHYLBENZENE	0.004	J	0.031
108-67-8	1,3,5-TRIMETHYLBENZENE		U	0.031
95-49-8	2-CHLOROTOLUENE		U	0.029
106-43-4	4-CHLOROTOLUENE		U	0.029
75-71-8	DICHLORODIFLUOROMETHANE		U	0.027

MDL=METHOD DETECTION LIMIT

Q=QUALIFIERS J INDICATES DETECTED BELOW MDL, ESTIMATED VALUE

QUALIFIERS: U INDICATES COMPOUND NOT DETECTED

D INDICATES VALUES TAKEN FROM DILUTION RUN

E INDICATES COMPOUND RESULT EXCEEDS CALIBRATION RANGE, ESTIMATED VALUE

* CALCULATED AS n-HEXANE, ESTIMATED VALUE

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3075

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 9, 2002

Laboratory Project: P3075

Analytical parameters: Volatile Organics by method 8260- SW846

Sample (s) Taken: June 20, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-2 0'-4'	BS-5 8'-12'
	BS-2 4'-8'	BS-3 0'-4' DUP
	BS-2 8'-12'	BS-3 0'-4' MS
	BS-3 0'-4'	BS-3 0'-4' MSD
	BS-3 4'-8'	BS-13 4'-8'
	BS-3 8'-12'	BS-13 8'-12'
	BS-4 0'-4'	BS-28 8'-12'
	BS-4 4'-8'	BS-29 8'-12'
	BS-5 0'-4'	RINSE BLANK
	BS-5 4'-8'	TRIP BLANK

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8260, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	☒ Yes	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	Yes	☒ No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) Analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	☒ Yes	No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	☒ Yes	No	NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

COMMENTS:

The surrogate recoveries for the following samples did not meet QC requirements. The samples were rerun for confirmation. The non-homogeneous nature of the soil samples is the suspected cause. Samples flagged with a "J" qualifier.

BS-2 4'-8'	BS-2 4'-8'RE
BS-4 0'-4'	BS-4 0'-4'RE
BS-4 8'-12'	BS-4 8'-12'RE

R= Rejected

J= Estimated

All other QC requirements were meet. All data is usable.

Reviewer Signature: Carole Collins

Date 8/16/02

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062106.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.4	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.4	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.4	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.4	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.4	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.4	3.8	ug/Kg
Carbon disulfide	75-13-0	< 1.4	U	5.4	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.4	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.97	U	5.4	0.97	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.4	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.97	U	5.4	0.97	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.4	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.4	1.2	ug/Kg
2-Butanone	78-93-3	< 5.8	U	5.4	5.8	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.4	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.4	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.86	U	5.4	0.86	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.86	U	5.4	0.86	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.97	U	5.4	0.97	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.4	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.97	U	5.4	0.97	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.4	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.4	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.4	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.4	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.4	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.5	U	5.4	6.5	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.4	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.4	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.4	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.4	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.4	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.4	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.4	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062106.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.4	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	43.2	86 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	48.87	98 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.22	76 %	74 - 121		SPK: 50
Dibromofluoromethane		49.2	98 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2760799	6.05			
1,2-Difluorobenzene	540-36-3	2976493	7.82			
Chlorobenzene-d5	3114-55-4	2392487	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1498338	19.54			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-02

Client ID: BS-24-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062107.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.5	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.5	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.5	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.5	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.5	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.5	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.5	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.5	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.99	U	5.5	0.99	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.5	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.99	U	5.5	0.99	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.5	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.5	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.5	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.5	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.88	U	5.5	0.88	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.88	U	5.5	0.88	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.99	U	5.5	0.99	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.5	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.99	U	5.5	0.99	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.5	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.5	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.5	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.5	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.5	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.6	U	5.5	6.6	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.5	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.5	1.1	ug/Kg
Trichloroethane	108-88-3	< 1.2	U	5.5	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.5	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.5	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.5	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.5	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-02

Client ID: BS-24-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062107.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0	5.5	1.2	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	40.29	81 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.03	98 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	36.56	73 %	74 - 121		SPK: 50
Dibromofluoromethane		12.91	26 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2711997	6.05			
1,2-Difluorobenzene	540-36-3	2934259	7.82			
Chlorobenzene-d5	3114-55-4	2345716	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1412639	19.54			
TENTITIVE IDENTIFIED COMPOUNDS						
Decanal	112312	8.1	J	24.15		ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062108.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSV0AA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.6	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.6	1.4	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.6	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.0	U	5.6	6.0	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.6	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.89	U	5.6	0.89	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.89	U	5.6	0.89	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	1.4	J	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.6	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
1,1,1-Trichloroethane	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.6	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062108.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.0	1.2	ug/Kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	43.57	87 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	51.6	103 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.08	76 %	74 - 121		SPK: 50
Dibromofluoromethane		49.71	99 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2777806	6.05			
1,4-Difluorobenzene	540-36-3	2975831	7.82			
Chlorobenzene-d5	3114-55-4	2401039	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1382778	19.54			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062109.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol: 11

Soil Aliquot Vol:

% Moisture:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.5	U	5.6	1.5	ug/Kg
Methylene Chloride	75-09-2	< 1.5	U	5.6	1.5	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
Carbon disulfide	75-15-0	< 1.5	U	5.6	1.5	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.1	U	5.6	6.1	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.4	U	5.6	2.4	ug/Kg
Bromodichloromethane	75-27-4	< 0.90	U	5.6	0.90	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.90	U	5.6	0.90	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.5	U	5.6	4.5	ug/Kg
2-Hexanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.6	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062109.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSV0AA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 11

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0	5.6	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	42.42	85 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.2	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.85	76 %	74 - 121		SPK: 50
Dibromofluoromethane		49.69	99 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2790099	6.05			
1,2-Difluorobenzene	540-36-3	3002352	7.82			
1,3-Difluorobenzene-d5	3114-55-4	2441199	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1464441	19.52			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062110.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 5

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.95	U	5.3	0.95	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.95	U	5.3	0.95	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
2-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.84	U	5.3	0.84	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.84	U	5.3	0.84	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.95	U	5.3	0.95	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.95	U	5.3	0.95	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.2	U	5.3	4.2	ug/Kg
2-Hexanone	591-78-6	< 6.3	U	5.3	6.3	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.3	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 2.9	U	5.3	2.9	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062110.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 5

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.5	1.2	ug/kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	43.05	86 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.07	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	39.17	78 %	74 - 121		SPK: 50
Dibromofluoromethane		48.8	98 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2756837	6.05			
1,2-Difluorobenzene	540-36-3	2976306	7.82			
Chlorobenzene-d5	3114-55-4	2440645	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1507105	19.54			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062111.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.5	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.5	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.5	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.5	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.5	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.5	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.5	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.5	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.99	U	5.5	0.99	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.5	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.99	U	5.5	0.99	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.5	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.5	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.5	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.5	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.88	U	5.5	0.88	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.88	U	5.5	0.88	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.99	U	5.5	0.99	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.5	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.99	U	5.5	0.99	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.5	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.5	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.5	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.5	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.5	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.6	U	5.5	6.6	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.5	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichlorobenzene	108-88-3	< 1.2	U	5.5	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.5	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.5	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.5	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.5	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/21/02

Matrix: SOIL

File ID: VA062111.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0	5.5	1.2	ug/kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	43.67	87 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.06	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.28	75 %	74 - 121		SPK: 50
Dibromofluoromethane		48.58	97 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2805850	6.05			
1,2-Difluorobenzene	540-36-3	3001733	7.82			
Chlorobenzene-d5	3114-55-4	2459028	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1453006	19.54			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062112.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.6	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.6	1.4	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.6	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.0	U	5.6	6.0	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.6	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.89	U	5.6	0.89	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.89	U	5.6	0.89	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.6	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
1,1,1-Trichloroethane	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.6	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062112.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0.00	5.6	1.2	ug/kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	44.13	88 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	48.62	97 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	34.54	69 %	74 - 121		SPK: 50
Dibromofluoromethane		46.83	94 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2580870	6.02			
1,2-Difluorobenzene	540-36-3	2929985	7.82			
Chlorobenzene-d5	3114-55-4	2204700	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1265504	19.54			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-08RE

Client ID: BS-48-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062215.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 20

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 2.1	U	6.2	2.1	ug/Kg
Bromomethane	74-83-9	< 1.2	U	6.2	1.2	ug/Kg
Vinyl chloride	75-01-4	< 1.2	U	6.2	1.2	ug/Kg
Chloroethane	75-00-3	< 1.6	U	6.2	1.6	ug/Kg
Methylene Chloride	75-09-2	< 1.6	U	6.2	1.6	ug/Kg
Acetone	67-64-1	24		6.2	4.4	ug/Kg
Carbon disulfide	75-15-0	< 1.6	U	6.2	1.6	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.4	U	6.2	1.4	ug/Kg
1,2-Dichloroethane	75-34-3	< 1.1	U	6.2	1.1	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.4	U	6.2	1.4	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.1	U	6.2	1.1	ug/Kg
Chloroform	67-66-3	< 1.2	U	6.2	1.2	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.4	U	6.2	1.4	ug/Kg
2-Butanone	78-93-3	< 6.8	U	6.2	6.8	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.2	U	6.2	1.2	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.6	U	6.2	2.6	ug/Kg
Bromodichloromethane	75-27-4	< 1.0	U	6.2	1.0	ug/Kg
1,2-Dichloropropane	78-87-5	< 1.0	U	6.2	1.0	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.1	U	6.2	1.1	ug/Kg
Trichloroethene	79-01-6	< 1.2	U	6.2	1.2	ug/Kg
Dibromochloromethane	124-48-1	< 1.1	U	6.2	1.1	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.4	U	6.2	1.4	ug/Kg
Benzene	71-43-2	< 1.2	U	6.2	1.2	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.2	U	6.2	1.2	ug/Kg
Bromoform	75-25-2	< 1.4	U	6.2	1.4	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 5.0	U	6.2	5.0	ug/Kg
2-Hexanone	591-78-6	< 7.5	U	6.2	7.5	ug/Kg
Tetrachloroethene	127-18-4	< 1.5	U	6.2	1.5	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.2	U	6.2	1.2	ug/Kg
1,1,1,2-Tetrachloroethane	108-88-3	< 1.4	U	6.2	1.4	ug/Kg
Chlorobenzene	108-90-7	< 1.4	U	6.2	1.4	ug/Kg
Ethyl Benzene	100-41-4	< 1.2	U	6.2	1.2	ug/Kg
Styrene	100-42-5	< 1.8	U	6.2	1.8	ug/Kg
m/p-Xylenes	136777-61-2	< 3.5	U	6.2	3.5	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-08RE

Client ID: BS-48-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062215.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 20

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.4	0	6.2	1.4	ug/Kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	43.91	88 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	48.1	96 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	34.25	69 %	74 - 121		SPK: 50
Dibromofluoromethane		47.18	94 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2307932	6.02			
1,2-Difluorobenzene	540-36-3	2614212	7.82			
Benzene-d5	3114-55-4	1927266	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1100228	19.55			

TENTATIVE IDENTIFIED COMPOUNDS

Decane, 4-methyl-	2847725	12	J	17.94		ug/Kg
Undecane, 3,6-dimethyl-	17301289	28	J	23.13		ug/Kg
Cyclohexane, 2-butyl-1,1,3-trime	54676390	14	J	24.14		ug/Kg
Decane, 2-methyl-	6975980	20	J	24.52		ug/Kg
1-Dodecanol, 2-methyl-, (S)-	57289266	18	J	25.48		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	11	J	26.19		ug/Kg
Hexatriacontane	630068	17	J	26.63		ug/Kg
Heptadecane	629787	16	J	27.01		ug/Kg
Tetradecane	629594	11	J	27.64		ug/Kg
Dodecane, 4-methyl-	6117971	10	J	28.90		ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062113.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.96	U	5.3	0.96	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.96	U	5.3	0.96	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
2-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.85	U	5.3	0.85	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.85	U	5.3	0.85	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.96	U	5.3	0.96	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.96	U	5.3	0.96	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.3	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.4	U	5.3	6.4	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
1,1,1,2-Tetrachloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
Trichloroethene	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.3	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.3	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062113.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0	5.5	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	40.05	80 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.54	99 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.69	75 %	74 - 121		SPK: 50
Dibromofluoromethane		43.66	87 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2703244	6.05			
1,2-Difluorobenzene	540-36-3	2947734	7.82			
Chlorobenzene-d5	3114-55-4	2433544	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1465691	19.52			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062114.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol: 6

Soil Aliquot Vol:

% Moisture:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,2-Dichloroethene	75-34-3	< 0.96	U	5.3	0.96	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.96	U	5.3	0.96	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
2-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.85	U	5.3	0.85	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.85	U	5.3	0.85	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.96	U	5.3	0.96	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.96	U	5.3	0.96	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.3	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.4	U	5.3	6.4	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
1,1,1,2-Tetrachloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
Trichloroethene	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.3	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.3	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062114.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.5	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	41.31	83 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.44	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	39.44	79 %	74 - 121		SPK: 50
Dibromofluoromethane		48.54	97 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2797987	6.05			
1,2-Difluorobenzene	540-36-3	3007564	7.82			
Chlorobenzene-d5	3114-55-4	2545357	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1549864	19.52			
TENTATIVE IDENTIFIED COMPOUNDS						
Decanal	112312	8.4	J	24.12		ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062115.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.96	U	5.3	0.96	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.96	U	5.3	0.96	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
2-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.85	U	5.3	0.85	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.85	U	5.3	0.85	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.96	U	5.3	0.96	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.96	U	5.3	0.96	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.3	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.4	U	5.3	6.4	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.3	1.5	ug/Kg
m/p-Xylenes	136-177-61-2	< 3.0	U	5.3	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062115.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0621S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.5	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	40.85	82 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.59	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.92	78 %	74 - 121		SPK: 50
Dibromofluoromethane		49.62	99 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2746653	6.02			
1-fluorobenzene	540-36-3	2852246	7.82			
Chlorobenzene-d5	3114-55-4	2299486	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1393477	19.52			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062209.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.6	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.6	1.4	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.6	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.0	U	5.6	6.0	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.6	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.89	U	5.6	0.89	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.89	U	5.6	0.89	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.6	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
1,1,1,2-Tetrachloroethane	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.6	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062209.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 10

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.6	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	42.6	85 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.61	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.07	76 %	74 - 121		SPK: 50
Dibromofluoromethane		49.42	99 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2589842	6.02			
1,4-Difluorobenzene	540-36-3	2763829	7.79			
1,2,4-Trifluorobenzene-d5	3114-55-4	2273290	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1329933	19.52			

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062213.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.5	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.5	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.5	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.5	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.5	1.4	ug/Kg
Acetone	67-64-1	23		5.5	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.5	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.2	U	5.5	1.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.99	U	5.5	0.99	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.5	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.99	U	5.5	0.99	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.5	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.5	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.5	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.5	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.88	U	5.5	0.88	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.88	U	5.5	0.88	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.99	U	5.5	0.99	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.5	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.99	U	5.5	0.99	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.5	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.5	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.5	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.5	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.5	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.6	U	5.5	6.6	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.5	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.5	1.1	ug/Kg
1,1,1-Trichloroethane	108-88-3	< 1.2	U	5.5	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.5	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.5	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.5	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.5	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062213.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.5	1.2	ug/Kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	44.09	88 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	47.88	96 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.16	74 %	74 - 121		SPK: 50
Dibromofluoromethane		48.36	97 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2454344	6.02			
1,2-Difluorobenzene	540-36-3	2703841	7.79			
Chlorobenzene-d5	3114-55-4	2082166	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1232404	19.52			

TENTATIVE IDENTIFIED COMPOUNDS

Cyclododecanone	830137	6.3	J	24.16		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	7.2	J	27.03		ug/Kg
Decane	124185	7.5	J	27.66		ug/Kg
Neopentylidenecyclohexane	39546800	7.5	J	28.07		ug/Kg
Heptadecane, 2,6,10,14-tetramethyl-	18344371	10	J	28.91		ug/Kg
Benzeneacetonitrile, alpha.-phen	86293	5.9	J	29.54		ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062214.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 4

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.2	1.8	ug/Kg
Bromomethane	74-83-9	< 1.0	U	5.2	1.0	ug/Kg
Vinyl chloride	75-01-4	< 1.0	U	5.2	1.0	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.2	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.2	1.4	ug/Kg
Acetone	67-64-1	11		5.2	3.6	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.2	1.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 1.1	U	5.2	1.1	ug/Kg
1,2-Dichloroethane	75-34-3	< 0.94	U	5.2	0.94	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.1	U	5.2	1.1	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.94	U	5.2	0.94	ug/Kg
Chloroform	67-66-3	< 1.0	U	5.2	1.0	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.1	U	5.2	1.1	ug/Kg
2-Butanone	78-93-3	< 5.6	U	5.2	5.6	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.0	U	5.2	1.0	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.2	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.83	U	5.2	0.83	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.83	U	5.2	0.83	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.94	U	5.2	0.94	ug/Kg
Trichloroethene	79-01-6	< 1.0	U	5.2	1.0	ug/Kg
Dibromochloromethane	124-48-1	< 0.94	U	5.2	0.94	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.1	U	5.2	1.1	ug/Kg
Benzene	71-43-2	< 1.0	U	5.2	1.0	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.0	U	5.2	1.0	ug/Kg
Bromoform	75-25-2	< 1.1	U	5.2	1.1	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.2	U	5.2	4.2	ug/Kg
2-Hexanone	591-78-6	< 6.2	U	5.2	6.2	ug/Kg
Tetrachloroethene	127-18-4	< 1.2	U	5.2	1.2	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	U	5.2	1.0	ug/Kg
Toluene	108-88-3	< 1.1	U	5.2	1.1	ug/Kg
Chlorobenzene	108-90-7	< 1.1	U	5.2	1.1	ug/Kg
Ethyl Benzene	100-41-4	< 1.0	U	5.2	1.0	ug/Kg
Styrene	100-42-5	< 1.5	U	5.2	1.5	ug/Kg
m/p-Xylenes	13677-01-2	< 2.9	U	5.2	2.9	ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/22/02

Matrix: SOIL

File ID: VA062214.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0622S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 4

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.1	U	5.2	1.1	ug/Kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	42.09	84 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.39	99 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.01	74 %	74 - 121		SPK: 50
Dibromofluoromethane		45.53	91 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2686461	6.02			
1,4-Difluorobenzene	540-36-3	2950632	7.82			
Benzene-d5	3114-55-4	2422871	14.04			
1,4-Dichlorobenzene-d4	3855-82-1	1347074	19.52			

TENTATIVE IDENTIFIED COMPOUNDS

Decane, 2,6,7-trimethyl-	62108252	13	J	27.22		ug/Kg
Octane, 3,5-dimethyl-	15869939	17	J	27.71		ug/Kg
Dodecane, 2,6,11-trimethyl-	31295564	51	J	28.91		ug/Kg
Nonane, 2-methyl-5-propyl-	31081171	23	J	29.30		ug/Kg
Hexacosane	630013	36	J	29.54		ug/Kg
Decane, 3,3,8-trimethyl-	62338163	19	J	29.92		ug/Kg
Tetradecane, 1-iodo-	19218941	13	J	30.20		ug/Kg
Tridecane, 2-methyl-	1560969	24	J	30.39		ug/Kg
Heptadecane, 8-methyl-	13287235	12	J	30.74		ug/Kg
2-Nonynoic acid, methyl ester	111808	14	J	31.07		ug/Kg

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected:

Date Received:

Date Analyzed: 6/25/02

Matrix: WATER

File ID: VD062505.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSVOAD

Analytical Method: 8260

Associated Blank: VBD0625W1

Sample Wt/Wol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 0.51	U	5.0	0.51	ug/L
Bromomethane	74-83-9	< 0.38	U	5.0	0.38	ug/L
Vinyl chloride	75-01-4	< 0.79	U	5.0	0.79	ug/L
Chloroethane	75-00-3	< 2.4	U	5.0	2.4	ug/L
Methylene Chloride	75-09-2	< 1.8	U	5.0	1.8	ug/L
Acetone	67-64-1	< 3.5	U	5.0	3.5	ug/L
Carbon disulfide	75-15-0	< 0.72	U	5.0	0.72	ug/L
1,1-Dichloroethane	75-35-4	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethane	75-34-3	< 0.66	U	5.0	0.66	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.81	U	5.0	0.81	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.62	U	5.0	0.62	ug/L
Chloroform	67-66-3	< 0.61	U	5.0	0.61	ug/L
1,2-Dichloroethane	107-06-2	< 0.56	U	5.0	0.56	ug/L
2-Butanone	78-93-3	< 2.3	U	5.0	2.3	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.75	U	5.0	0.75	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
Bromodichloromethane	75-27-4	< 0.73	U	5.0	0.73	ug/L
1,2-Dichloropropane	78-87-5	< 0.73	U	5.0	0.73	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.66	U	5.0	0.66	ug/L
Trichloroethene	79-01-6	< 0.72	U	5.0	0.72	ug/L
Dibromochloromethane	124-48-1	< 0.66	U	5.0	0.66	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.62	U	5.0	0.62	ug/L
Benzene	71-43-2	< 0.71	U	5.0	0.71	ug/L
trans-1,3-Dichloropropene	10061-02-6	< 0.66	U	5.0	0.66	ug/L
Bromoform	75-25-2	< 0.49	U	5.0	0.49	ug/L
4-Methyl-2-Pentanone	108-10-1	< 0.81	U	5.0	0.81	ug/L
2-Hexanone	591-78-6	< 0.60	U	5.0	0.60	ug/L
Tetrachloroethene	127-18-4	< 0.70	U	5.0	0.70	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.70	U	5.0	0.70	ug/L
Toluene	108-88-3	< 0.71	U	5.0	0.71	ug/L
Chlorobenzene	108-90-7	< 0.78	U	5.0	0.78	ug/L
Ethyl Benzene	100-41-4	< 0.76	U	5.0	0.76	ug/L
Styrene	100-42-5	< 0.92	U	5.0	0.92	ug/L
m/p-Xylenes	136777-61-2	< 1.5	U	5.0	1.5	ug/L

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected:

Date Analyzed: 6/25/02

File ID: VD062505.D

Dilution: 1

Analytical Method: 8260

Sample Wt/Wol: 5.0 Units: mL

Soil Aliquot Vol:

Date Received:

Matrix: WATER

Analytical Run ID: VD060602

Instrument ID: MSVOAD

Associated Blank: VBD0625W1

Soil Extract Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 0.72	U	5.0	0.72	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	46.41	93 %	68 - 135		SPK: 50
Toluene-d8	2037-26-5	51.38	103 %	70 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	50.3	101 %	70 - 125		SPK: 50
Dibromofluoromethane		48.44	97 %	70 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	756433	12.87			
1,2-Difluorobenzene	540-36-3	1323814	15.25			
Chlorobenzene-d5	3114-55-4	1273902	22.81			
1,4-Dichlorobenzene-d4	3855-82-1	496665	29.20			
TENTITATIVE IDENTIFIED COMPOUNDS						
Silanol, trimethyl-	1066406	8.1	J	9.57		ug/L

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-20

Client ID: TRIPBLANK

Date Collected:

Date Received:

Date Analyzed: 6/25/02

Matrix: WATER

File ID: VD062506.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSVOAD

Analytical Method: 8260

Associated Blank: VBD0625W1

Sample Wt/Wol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 0.51	U	5.0	0.51	ug/L
Bromomethane	74-83-9	< 0.38	U	5.0	0.38	ug/L
Vinyl chloride	75-01-4	< 0.79	U	5.0	0.79	ug/L
Chloroethane	75-00-3	< 2.4	U	5.0	2.4	ug/L
Methylene Chloride	75-09-2	< 1.8	U	5.0	1.8	ug/L
Acetone	67-64-1	< 3.5	U	5.0	3.5	ug/L
Carbon disulfide	75-15-0	< 0.72	U	5.0	0.72	ug/L
1,1-Dichloroethene	75-35-4	< 0.69	U	5.0	0.69	ug/L
1,2-Dichloroethane	75-34-3	< 0.66	U	5.0	0.66	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.81	U	5.0	0.81	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.62	U	5.0	0.62	ug/L
Chloroform	67-66-3	< 0.61	U	5.0	0.61	ug/L
1,2-Dichloroethane	107-06-2	< 0.56	U	5.0	0.56	ug/L
2-Butanone	78-93-3	< 2.3	U	5.0	2.3	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.75	U	5.0	0.75	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
Bromodichloromethane	75-27-4	< 0.73	U	5.0	0.73	ug/L
1,2-Dichloropropane	78-87-5	< 0.73	U	5.0	0.73	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.66	U	5.0	0.66	ug/L
Trichloroethene	79-01-6	< 0.72	U	5.0	0.72	ug/L
Dibromochloromethane	124-48-1	< 0.66	U	5.0	0.66	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.62	U	5.0	0.62	ug/L
Benzene	71-43-2	< 0.71	U	5.0	0.71	ug/L
trans-1,3-Dichloropropene	10061-02-6	< 0.66	U	5.0	0.66	ug/L
Bromoform	75-25-2	< 0.49	U	5.0	0.49	ug/L
4-Methyl-2-Pentanone	108-10-1	< 0.81	U	5.0	0.81	ug/L
2-Hexanone	591-78-6	< 0.60	U	5.0	0.60	ug/L
Tetrachloroethene	127-18-4	< 0.70	U	5.0	0.70	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.70	U	5.0	0.70	ug/L
Trichloroethene	108-88-3	< 0.71	U	5.0	0.71	ug/L
Chlorobenzene	108-90-7	< 0.78	U	5.0	0.78	ug/L
Ethyl Benzene	100-41-4	< 0.76	U	5.0	0.76	ug/L
Styrene	100-12-5	< 0.92	U	5.0	0.92	ug/L
m/p-Xylenes	1367-77-61-2	< 1.5	U	5.0	1.5	ug/L

Volatiles

SW-846

SDG No.: P3075

Client: MAC Consultants, Inc.

Sample ID: P3075-20

Client ID: TRIPBLANK

Date Collected:

Date Analyzed: 6/25/02

File ID: VD062506.D

Dilution: 1

Analytical Method: 8260

Sample Wt/Wol: 5.0 Units: mL

Soil Aliquot Vol:

Date Received:

Matrix: WATER

Analytical Run ID: VD060602

Instrument ID: MSVOAD

Associated Blank: VBD0625W1

Soil Extract Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 0.72	0	5.0	0.72	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	43.68	87 %	68 - 135		SPK: 50
Toluene-d8	2037-26-5	50.91	102 %	70 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	50.52	101 %	70 - 125		SPK: 50
Dibromofluoromethane		46.69	93 %	70 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	779687	12.87			
1,2-Difluorobenzene	540-36-3	1350263	15.25			
Chlorobenzene-d5	3114-55-4	1291406	22.81			
1,4-Dichlorobenzene-d4	3855-82-1	506812	29.20			
TENTATIVE IDENTIFIED COMPOUNDS						
Isobutane	75285	21	J	4.28		ug/L

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 9, 2002

Laboratory Project: P3075

Analytical parameters: Semi-Volatile Organics by method 8270- SW846

Sample (s) Taken: June 20, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-2 0'-4'	BS-5 8'-12'
	BS-2 4'-8'	BS-3 0'-4' DUP
	BS-2 8'-12'	BS-3 0'-4' MS
	BS-3 0'-4'	BS-3 0'-4' MSD
	BS-3 4'-8'	BS-13 4'-8'
	BS-3 8'-12'	BS-13 8'-12'
	BS-4 0'-4'	BS-28 8'-12'
	BS-4 4'-8'	BS-29 8'-12'
	BS-5 0'-4'	RINSE BLANK
	BS-5 4'-8'	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8270, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3075

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	☒ Yes	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	Yes	☒ No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	☒ No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	☒ Yes	No	NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

COMMENTS:

The following samples were diluted before analysis

BS-2 0'-4'

The following samples were diluted due to high concentrations of target compounds in the sample. The compounds are flagged with an "E" qualifier on the forms.

BS-2 0'-4'	BS-2 8'-12'
BS-3 0'-4'	BS-3 4'-8'
BS-3 8'-12'	BS-4 0'-4'
BS-3 0'-4'DUP	

The following samples were rerun due to the internal standard not meeting QC requirements.

BS-2 4'-8'	BS-4 8'-12'
BS-5 0'-4'	BS-5 4'-8'
BS-5 8'-12'	BS-13 4'-8'
BS-13 8'-12'	BS-3 8'-12'
BS-3 8'-12'DL	BS-3 4'-8'DL
BS-3 4'-8'	BS-4 0'-4'
BS-4 0'-4'DL	BS-2 8'-12'
BS-2 8'-12'DL	BS-3 0'-4'DUPDL
BS-3 0'-4DUP	BS-3 0'-4'
BS-3 0'-4'DL	

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

The surrogate recoveries for the following samples were not within QC acceptance limits.

BS-2 0'-4'	BS-2 0'-4'DL
BS-2 4'-8'	BS-2 8'-12'
BS-2 8'-12'DL	BS-3 0'-4'
BS-3 0'-4'DL	BS-3 0'-4'DL2
BS-3 4'-8'	BS-3 4'-8'DL
BS-3 8'-12'	BS-3 8'-12'DL
BS-4 0'-4'	BS-4 0'-4'DL
BS-4 8'-12''	BS-5 0'-4'
BS-5 4'-8'	BS-5 8'-12'
BS-3 0'-4'DUP	BS-13 4'-8'
BS-13 8'-12'	RINSE BLANK
SBLK01	SLCS01

All other samples, one surrogate in either fraction is out. Data is usable.

The recoveries in the MS and MSD for the following compounds did not meet QC requirements due to matrix interference in the sample.

Naphthalene	4-Chloroaniline
Hexachlorocyclopentadiene	
Acenaphthylene	Dibenzofuran
2,4-Dinitrophenol	Phenanthrene
Anthracene	Fluoranthene
Pyrene	Benzo(a)anthracene
3,3'-Dichlorobenzidine	Diethylphthalate
Chrysene	Carbazole
Indeno(1,2,3-cd)pyrene	Benzo(k)fluoranthene

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Benzo(b)fluoranthene	Benzo(a)pyrene
2,6-Dinitro-2-methylphenol	Benzo(g,h,i)perylene

The RPDs for the following compounds did not meet QC criteria.

Naphthalene	4-Chloroaniline
Hexachlorocyclopentadiene	
Dibenzofuran	
2,4-Dinitrophenol	Anthracene
Pyrene	Benzo(a)anthracene
Chrysene	Carbazole
Benzo(k)fluoranthene	Benzo(a)pyrene
4,6-Dinitro-2-methylphenol	Benzo(g,h,i)perylene

The compounds are flagged with "J", "UJ" and "R" qualifiers.

All other QC met requirements. Data usability is acceptable.

R=Rejected

E=Estimated

Reviewer Signature: Carole Collins

Date: 7/16/02

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002175.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 350	U	3500	350	ug/Kg
bis(2-Chloroethyl)ether	< 420	U	3500	420	ug/Kg
2-Chlorophenol	< 390	U	3500	390	ug/Kg
1,2-Dichlorobenzene	< 350	U	3500	350	ug/Kg
1,3-Dichlorobenzene	< 420	U	3500	420	ug/Kg
1,4-Dichlorobenzene	< 350	U	3500	350	ug/Kg
2,4-Dimethylphenol	< 350	U	3500	350	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 350	U	3500	350	ug/Kg
3+4-Methylphenols	< 640	U	3500	640	ug/Kg
N-Nitroso-di-n-propylamine	< 350	U	3500	350	ug/Kg
Hexachloroethane	< 390	U	3500	390	ug/Kg
Nitrobenzene	< 350	U	3500	350	ug/Kg
Isophorone	< 350	U	3500	350	ug/Kg
2-Nitrophenol	< 390	U	3500	390	ug/Kg
2,4-Dimethylphenol	< 810	U	3500	810	ug/Kg
bis(2-Chloroethoxy)methane	< 350	U	3500	350	ug/Kg
2,4-Dichlorophenol	< 460	U	3500	460	ug/Kg
1,2,4-Trichlorobenzene	< 420	U	3500	420	ug/Kg
Naphthalene	< 420	U	3500	420	ug/Kg
4-Chloroaniline	< 420	U	3500	420	ug/Kg
Hexachlorobutadiene	< 530	U	3500	530	ug/Kg
4-Chloro-3-methylphenol	< 390	U	3500	390	ug/Kg
2-Methylnaphthalene	< 420	U	3500	420	ug/Kg
Hexachlorocyclopentadiene	< 1300	U	3500	1300	ug/Kg
2,4,6-Trichlorophenol	< 350	U	3500	350	ug/Kg
2,4,5-Trichlorophenol	< 350	U	8900	350	ug/Kg
2-Chloronaphthalene	< 420	U	3500	420	ug/Kg
2-Nitroaniline	< 350	U	8900	350	ug/Kg
Dimethylphthalate	< 350	U	3500	350	ug/Kg
Acenaphthylene	< 420	U	3500	420	ug/Kg
2,6-Dinitrotoluene	< 350	U	3500	350	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002175.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 420	U	8900	420	ug/Kg
Acenaphthene	< 420	U	3500	420	ug/Kg
2,4-Dinitrophenol	< 710	U	8900	710	ug/Kg
4-Nitrophenol	< 390	U	8900	390	ug/Kg
Dibenzofuran	< 350	U	3500	350	ug/Kg
2,4-Dinitrotoluene	< 390	U	3500	390	ug/Kg
Diethylphthalate	< 350	U	3500	350	ug/Kg
4-Bromophenyl-phenylether	< 420	U	3500	420	ug/Kg
Fluorene	< 390	U	3500	390	ug/Kg
4-Nitroaniline	< 850	U	8900	850	ug/Kg
4,6-Dinitro-2-methylphenol	< 420	U	8900	420	ug/Kg
N-Nitrosodiphenylamine	< 710	U	3500	710	ug/Kg
4-Bromophenyl-phenylether	< 460	U	3500	460	ug/Kg
Hexachlorobenzene	< 390	U	3500	390	ug/Kg
Pentachlorophenol	< 670	U	8900	670	ug/Kg
Phenanthrene	1800	J	3500	350	ug/Kg
Anthracene	< 460	U	3500	460	ug/Kg
Carbazole	< 140	U	3500	140	ug/Kg
Di-n-butylphthalate	130000	E 2 30000	3500	420	ug/Kg
Fluoranthene	3000	J	3500	350	ug/Kg
Pyrene	7400	J	3500	350	ug/Kg
Butylbenzylphthalate	< 350	U 47	3500	350	ug/Kg
3,3'-Dichlorobenzidine	< 350	U 1	3500	350	ug/Kg
Benzo(a)anthracene	1800	J 5	3500	350	ug/Kg
Chrysene	1000	J 1	3500	570	ug/Kg
bis(2-Ethylhexyl)phthalate	390	J 1	3500	350	ug/Kg
Di-n-octyl phthalate	< 530	U 45	3500	530	ug/Kg
Benzo(b)fluoranthene	< 350	U 1	3500	350	ug/Kg
Benzo(k)fluoranthene	< 920	U 1	3500	920	ug/Kg
Benzo(a)pyrene	< 530	U 1	3500	530	ug/Kg
Indeno(1,2,3-cd)pyrene	< 570	U 1	3500	570	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002175.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 530	U	3500	530	ug/Kg
Benzo(g,h,i)perylene	< 460	U	3500	460	ug/Kg
SURROGATES					
2-Fluorophenol	15.99	53 %	25 - 121		SPK: 300
Phenol-d5	17.64	59 %	24 - 113		SPK: 300
Nitrobenzene-d5	12.93	65 %	23 - 120		SPK: 200
orobiphenyl	12.64	63 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	10.22	34 %	19 - 122		SPK: 300
Terphenyl-d14	58.03	290 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	117227	4.59			
Naphthalene-d8	476933	7.04			
Acenaphthene-d10	247894	10.88			
Phenanthrene-d10	447448	14.19			
Chrysene-d12	132674	20.23			
Perylene-d12	5452	23.27			
TENTATIVE IDENTIFIED COMPOUNDS					
ACP	35000	JB	2.29		ug/L
1-Phenanthrenecarboxylic acid, 1,2	15000	J	19.14		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01DL

Client ID: BS-20-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002174.D

Dilution: 250

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 8800	U	88000	8800	ug/Kg
bis(2-Chloroethyl)ether	< 10000	U	88000	10000	ug/Kg
2-Chlorophenol	< 9700	U	88000	9700	ug/Kg
1,2-Dichlorobenzene	< 8800	U	88000	8800	ug/Kg
1,3-Dichlorobenzene	< 10000	U	88000	10000	ug/Kg
1,4-Dichlorobenzene	< 8800	U	88000	8800	ug/Kg
2,4-Dimethylphenol	< 8800	U	88000	8800	ug/Kg
2,6-Dimethylphenol	< 8800	U	88000	8800	ug/Kg
2,4-Dimethylphenol	< 20000	U	88000	20000	ug/Kg
bis(2-Chloroethoxy)methane	< 8800	U	88000	8800	ug/Kg
2,4-Dichlorophenol	< 11000	U	88000	11000	ug/Kg
1,2,4-Trichlorobenzene	< 10000	U	88000	10000	ug/Kg
Naphthalene	< 10000	U	88000	10000	ug/Kg
4-Chloroaniline	< 10000	U	88000	10000	ug/Kg
Hexachlorobutadiene	< 13000	U	88000	13000	ug/Kg
4-Chloro-3-methylphenol	< 9700	U	88000	9700	ug/Kg
2-Methylnaphthalene	< 10000	U	88000	10000	ug/Kg
Hexachlorocyclopentadiene	< 34000	U	88000	34000	ug/Kg
2,4,6-Trichlorophenol	< 8800	U	88000	8800	ug/Kg
2,4,5-Trichlorophenol	< 8800	U	220000	8800	ug/Kg
2-Chloronaphthalene	< 10000	U	88000	10000	ug/Kg
2-Nitroaniline	< 8800	U	220000	8800	ug/Kg
1-Methylphthalate	< 8800	U	88000	8800	ug/Kg
Acenaphthylene	< 10000	U	88000	10000	ug/Kg
2,6-Dinitrotoluene	< 8800	U	88000	8800	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01DL

Client ID: BS-20-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002174.D

Dilution: 250

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 10000	U	220000	10000	ug/Kg
Acenaphthene	< 10000	U	88000	10000	ug/Kg
2,4-Dinitrophenol	< 18000	U	220000	18000	ug/Kg
4-Nitrophenol	< 9700	U	220000	9700	ug/Kg
Dibenzofuran	< 8800	U	88000	8800	ug/Kg
2,4-Dinitrotoluene	< 9700	U	88000	9700	ug/Kg
Diethylphthalate	< 8800	U	88000	8800	ug/Kg
4-Chlorophenyl-phenylether	< 10000	U	88000	10000	ug/Kg
Fluorene	< 9700	U	88000	9700	ug/Kg
4-Nitroaniline	< 21000	U	220000	21000	ug/Kg
4,6-Dinitro-2-methylphenol	< 10000	U	220000	10000	ug/Kg
N-Nitrosodiphenylamine	< 18000	U	88000	18000	ug/Kg
4-Bromophenyl-phenylether	< 11000	U	88000	11000	ug/Kg
Hexachlorobenzene	< 9700	U	88000	9700	ug/Kg
Pentachlorophenol	< 17000	U	220000	17000	ug/Kg
Phenanthrene	< 8800	U	88000	8800	ug/Kg
Anthracene	< 11000	U	88000	11000	ug/Kg
Carbazole	< 3600	U	88000	3600	ug/Kg
Di-n-butylphthalate	230000	D	88000	10000	ug/Kg
Fluoranthene	< 8800	U	88000	8800	ug/Kg
Pyrene	< 8800	U	88000	8800	ug/Kg
Butylbenzylphthalate	< 8800	U	88000	8800	ug/Kg
3,3'-Dichlorobenzidine	< 8800	U	88000	8800	ug/Kg
Benzo(a)anthracene	< 8800	U	88000	8800	ug/Kg
Chrysene	< 14000	U	88000	14000	ug/Kg
bis(2-Ethylhexyl)phthalate	< 8800	U	88000	8800	ug/Kg
Di-n-octyl phthalate	< 13000	U	88000	13000	ug/Kg
Benzo(b)fluoranthene	< 8800	U	88000	8800	ug/Kg
Benzo(k)fluoranthene	< 23000	U	88000	23000	ug/Kg
Benzo(a)pyrene	< 13000	U	88000	13000	ug/Kg
Indeno(1,2,3-cd)pyrene	< 14000	U	88000	14000	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01DL

Client ID: BS-20-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002174.D

Dilution: 250

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 13000	U	88000	13000	ug/Kg
Benzo(g,h,i)perylene	< 11000	U	88000	11000	ug/Kg
SURROGATES					
2-Fluorophenol	0.16	13 %	25 - 121		SPK: 300
Phenol-d5	0.36	30 %	24 - 113		SPK: 300
Nitrobenzene-d5	0.3	38 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	0.42	52 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	0	0 %	19 - 122		SPK: 300
Terphenyl-d14	2.22	278 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	125450	4.59
Naphthalene-d8	538002	7.04
Acenaphthene-d10	266291	10.87
Phenanthrene-d10	513094	14.19
Chrysene-d12	189679	20.23
Perylene-d12	3805	23.27

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02

Client ID: BS-24-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002146.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 42	U	880	42	ug/Kg
Acenaphthene	46	J	350	42	ug/Kg
2,4-Dinitrophenol	< 70	U	880	70	ug/Kg
4-Nitrophenol	< 39	U	880	39	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	< 39	U	350	39	ug/Kg
4-Nitroaniline	< 84	U	880	84	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	880	42	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	880	67	ug/Kg
Phenanthrene	420		350	35	ug/Kg
Anthracene	100	J	350	46	ug/Kg
Carbazole	61	J	350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	620		350	35	ug/Kg
Pyrene	1000		350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	400		350	35	ug/Kg
Chrysene	200	J	350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	49	J	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzofluoranthene	730		350	35	ug/Kg
Benzo(k)fluoranthene	290	J	350	91	ug/Kg
Benzo(a)pyrene	370		350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 56	U	350	56	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02

Client ID: BS-24-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002146.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	197.43	66 %	25 - 121		SPK: 300
Phenol-d5	185.53	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	124.77	62 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	138.95	69 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	138.69	46 %	19 - 122		SPK: 300
Terphenyl-d14	707.5	354 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	129444	4.65			
Naphthalene-d8	541172	7.08			
Acenaphthene-d10	269153	10.92			
Phenanthrene-d10	451919	14.24			
Chrysene-d12	193466	20.29			
Perylene-d12	30434	23.35			
TENTATIVE IDENTIFIED COMPOUNDS					
ACP	590	J	2.17		ug/L
ACP	10000	JB	2.51		ug/L
3-Heptanol, 4-methyl-	260	J	2.94		ug/L
ACP	740	J	3.35		ug/L
ACP	280	J	4.40		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02RE

Client ID: BS-24-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001749.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	350	42	ug/Kg
2-Chlorophenol	< 39	U	350	39	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 42	U	350	42	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
4-Ethylphenol	< 35	U	350	35	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 63	U	350	63	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 39	U	350	39	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 39	U	350	39	ug/Kg
2,4-Dimethylphenol	< 81	U	350	81	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 46	U	350	46	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	350	42	ug/Kg
Naphthalene	< 42	U	350	42	ug/Kg
4-Chloroaniline	< 42	U	350	42	ug/Kg
Hexachlorobutadiene	< 53	U	350	53	ug/Kg
4-Chloro-3-methylphenol	< 39	U	350	39	ug/Kg
2-Methylnaphthalene	< 42	U	350	42	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	880	35	ug/Kg
2-Chloronaphthalene	< 42	U	350	42	ug/Kg
2-Nitroaniline	< 35	U	880	35	ug/Kg
2-Methylnaphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 42	U	350	42	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02RE

Client ID: BS-24-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001749.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 42	U	880	42	ug/Kg
Acenaphthene	68	J	350	42	ug/Kg
2,4-Dinitrophenol	< 70	U	880	70	ug/Kg
4-Nitrophenol	< 39	U	880	39	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	60	J	350	39	ug/Kg
4-Nitroaniline	< 84	U	880	84	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	880	42	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	880	67	ug/Kg
Phenanthrene	530		350	35	ug/Kg
Anthracene	170	J	350	46	ug/Kg
Carbazole	92	J	350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	840		350	35	ug/Kg
Pyrene	850		350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	520		350	35	ug/Kg
Chrysene	540		350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	150	J	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzo(b)fluoranthene	610		350	35	ug/Kg
Benzo(k)fluoranthene	490		350	91	ug/Kg
Benzo(a)pyrene	520		350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	180	J	350	56	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02RE

Client ID: BS-24-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001749.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	200	J	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	136.89	46 %	25 - 121		SPK: 300
Phenol-d5	157.7	53 %	24 - 113		SPK: 300
Nitrobenzene-d5	116.73	58 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	123.83	62 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	122.22	41 %	19 - 122		SPK: 300
Terphenyl-d14	140.55	70 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	64582	8.21			
Naphthalene-d8	219767	10.44			
Acenaphthene-d10	119592	13.73			
Phenanthrene-d10	191327	16.54			
Chrysene-d12	154375	21.60			
Perylene-d12	112548	25.51			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002150.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 37	U	370	37	ug/Kg
bis(2-Chloroethyl)ether	< 43	U	370	43	ug/Kg
2-Chlorophenol	< 40	U	370	40	ug/Kg
1,2-Dichlorobenzene	< 37	U	370	37	ug/Kg
1,3-Dichlorobenzene	< 43	U	370	43	ug/Kg
1,4-Dichlorobenzene	< 37	U	370	37	ug/Kg
4-Ethylphenol	< 37	U	370	37	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 37	U	370	37	ug/Kg
3+4-Methylphenols	< 66	U	370	66	ug/Kg
N-Nitroso-di-n-propylamine	< 37	U	370	37	ug/Kg
Hexachloroethane	< 40	U	370	40	ug/Kg
Nitrobenzene	< 37	U	370	37	ug/Kg
Isophorone	< 37	U	370	37	ug/Kg
2-Nitrophenol	< 40	U	370	40	ug/Kg
2,4-Dimethylphenol	< 84	U	370	84	ug/Kg
bis(2-Chloroethoxy)methane	< 37	U	370	37	ug/Kg
2,4-Dichlorophenol	< 48	U	370	48	ug/Kg
1,2,4-Trichlorobenzene	< 43	U	370	43	ug/Kg
Naphthalene	65	J	370	43	ug/Kg
4-Chloroaniline	< 43	U	370	43	ug/Kg
Hexachlorobutadiene	< 55	U	370	55	ug/Kg
4-Chloro-3-methylphenol	< 40	U	370	40	ug/Kg
2-Methylnaphthalene	< 43	U	370	43	ug/Kg
Hexachlorocyclopentadiene	< 140	U	370	140	ug/Kg
2,4,6-Trichlorophenol	< 37	U	370	37	ug/Kg
2,4,5-Trichlorophenol	< 37	U	920	37	ug/Kg
2-Chloronaphthalene	< 43	U	370	43	ug/Kg
2-Nitroaniline	< 37	U	920	37	ug/Kg
2-Methylphthalate	< 37	U	370	37	ug/Kg
Acenaphthylene	< 43	U	370	43	ug/Kg
2,6-Dinitrotoluene	< 37	U	370	37	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002150.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 43	U	920	43	ug/Kg
Acenaphthene	110	J	370	43	ug/Kg
2,4-Dinitrophenol	< 73	U	920	73	ug/Kg
4-Nitrophenol	< 40	U	920	40	ug/Kg
Dibenzofuran	54	J	370	37	ug/Kg
2,4-Dinitrotoluene	< 40	U	370	40	ug/Kg
n-Butylphthalate	< 37	U	370	37	ug/Kg
4-Chlorophenyl-phenylether	< 43	U	370	43	ug/Kg
Fluorene	100	J	370	40	ug/Kg
4-Nitroaniline	< 88	U	920	88	ug/Kg
4,6-Dinitro-2-methylphenol	< 43	U	920	43	ug/Kg
N-Nitrosodiphenylamine	< 73	U	370	73	ug/Kg
4-Bromophenyl-phenylether	< 48	U	370	48	ug/Kg
Hexachlorobenzene	< 40	U	370	40	ug/Kg
Pentachlorophenol	< 70	U	920	70	ug/Kg
Phenanthrene	990		370	37	ug/Kg
Anthracene	240	J	370	48	ug/Kg
Carbazole	120	J	370	15	ug/Kg
Di-n-butylphthalate	< 43	U	370	43	ug/Kg
Fluoranthene	1600		370	37	ug/Kg
Pyrene	4600 6000	E J	370	37	ug/Kg
Butylbenzylphthalate	< 37	U UJ	370	37	ug/Kg
3,3'-Dichlorobenzidine	< 37	U J	370	37	ug/Kg
Benzo(a)anthracene	790	J	370	37	ug/Kg
Chrysene	490		370	59	ug/Kg
bis(2-Ethylhexyl)phthalate	72	J	370	37	ug/Kg
Di-n-octyl phthalate	55	U UJ	370	55	ug/Kg
Benzo(b)fluoranthene	2000	J	370	37	ug/Kg
Benzo(k)fluoranthene	650		370	95	ug/Kg
Benzo(a)pyrene	700	J	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U J	370	59	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002150.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 55	U $\frac{1}{2}$	370	55	ug/Kg
Benzo(g,h,i)perylene	< 48	U $\frac{1}{2}$	370	48	ug/Kg
SURROGATES					
2-Fluorophenol	182.13	61 %	25 - 121		SPK: 300
Phenol-d5	176.19	59 %	24 - 113		SPK: 300
Nitrobenzene-d5	113.45	57 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	136.41	68 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	170.65	57 %	19 - 122		SPK: 300
Terphenyl-d14	1004.31	502 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	129424	4.63
Naphthalene-d8	521321	7.08
Acenaphthene-d10	263176	10.91
Phenanthrene-d10	470739	14.24
Chrysene-d12	145668	20.30
Perylene-d12	4743	23.33

TENTATIVE IDENTIFIED COMPOUNDS

ACP	910	J	2.11	ug/L
ACP	14000	JB	2.45	ug/L
3-Hexanol, 3-ethyl-	480	J	2.92	ug/L
ACP	1200	J	3.33	ug/L
Hexanoic acid	130	J	4.57	ug/L
4H-Cyclopenta[def]phenanthrene	97	J	15.62	ug/L
Hexadecanoic acid	270	J	15.97	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03DL

Client ID: BS-28-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002176.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1800	220	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 220	U	1800	220	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dimethylphenol	< 180	U	1800	180	ug/Kg
2-Methoxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 240	U	1800	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1800	220	ug/Kg
Naphthalene	< 220	U	1800	220	ug/Kg
4-Chloroaniline	< 220	U	1800	220	ug/Kg
Hexachlorobutadiene	< 280	U	1800	280	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 220	U	1800	220	ug/Kg
Hexachlorocyclopentadiene	< 700	U	1800	700	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4600	180	ug/Kg
2-Chloronaphthalene	< 220	U	1800	220	ug/Kg
2-Nitroaniline	< 180	U	4600	180	ug/Kg
1-Methylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 220	U	1800	220	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03DL

Client ID: BS-28-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002176.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 220	U	4600	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
2,4-Dinitrophenol	< 370	U	4600	370	ug/Kg
4-Nitrophenol	< 200	U	4600	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
Chlorophenyl-phenylether	< 220	U	1800	220	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 440	U	4600	440	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4600	220	ug/Kg
N-Nitrosodiphenylamine	< 370	U	1800	370	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1800	240	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 350	U	4600	350	ug/Kg
Phenanthrene	880	JD	1800	180	ug/Kg
Anthracene	< 240	U	1800	240	ug/Kg
Carbazole	< 75	U	1800	75	ug/Kg
Di-n-butylphthalate	< 220	U	1800	220	ug/Kg
Fluoranthene	1200	JD	1800	180	ug/Kg
Pyrene	6500	D	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	850	JD	1800	180	ug/Kg
Chrysene	330	JD	1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 280	U	1800	280	ug/Kg
Benzo(b)fluoranthene	< 180	U	1800	180	ug/Kg
Benzo(k)fluoranthene	< 480	U	1800	480	ug/Kg
Benzo(a)pyrene	< 280	U	1800	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03DL Client ID: BS-28-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002176.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
2-Fluorophenol	36.85	61 %	25 - 121		SPK: 300
Phenol-d5	37.34	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	21.92	55 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	27.1	68 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	34.89	58 %	19 - 122		SPK: 300
Terphenyl-d14	302.88	757 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	114314	4.58			
Naphthalene-d8	479826	7.03			
Acenaphthene-d10	238338	10.86			
Phenanthrene-d10	426813	14.20			
Chrysene-d12	65401	20.22			
Perylene-d12	2642	23.27			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002152.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 37	U	370	37	ug/Kg
bis(2-Chloroethyl)ether	< 44	U	370	44	ug/Kg
2-Chlorophenol	< 41	U	370	41	ug/Kg
1,2-Dichlorobenzene	< 37	U	370	37	ug/Kg
1,3-Dichlorobenzene	< 44	U	370	44	ug/Kg
1,4-Dichlorobenzene	< 37	U	370	37	ug/Kg
2,4-Dimethylphenol	< 37	U	370	37	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 37	U	370	37	ug/Kg
3+4-Methylphenols	< 66	U	370	66	ug/Kg
N-Nitroso-di-n-propylamine	< 37	U	370	37	ug/Kg
Hexachloroethane	< 41	U	370	41	ug/Kg
Nitrobenzene	< 37	U	370	37	ug/Kg
Isophorone	< 37	U	370	37	ug/Kg
2-Nitrophenol	< 41	U	370	41	ug/Kg
2,4-Dimethylphenol	< 85	U	370	85	ug/Kg
bis(2-Chloroethoxy)methane	< 37	U	370	37	ug/Kg
2,4-Dichlorophenol	< 48	U	370	48	ug/Kg
1,2,4-Trichlorobenzene	< 44	U	370	44	ug/Kg
Naphthalene	1300	J	370	44	ug/Kg
4-Chloroaniline	< 44	U	370	44	ug/Kg
Hexachlorobutadiene	< 55	U	370	55	ug/Kg
4-Chloro-3-methylphenol	< 41	U	370	41	ug/Kg
2-Methylnaphthalene	280	J	370	44	ug/Kg
Hexachlorocyclopentadiene	< 140	U	370	140	ug/Kg
2,4,6-Trichlorophenol	< 37	U	370	37	ug/Kg
2,4,5-Trichlorophenol	< 37	U	930	37	ug/Kg
2-Chloronaphthalene	< 44	U	370	44	ug/Kg
4-Nitroaniline	< 37	U	930	37	ug/Kg
2-Methylphthalate	< 37	U	370	37	ug/Kg
Acenaphthylene	1600	J	370	44	ug/Kg
2,6-Dinitrotoluene	< 37	U	370	37	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002152.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 44	U	930	44	ug/Kg
Acenaphthene	620		370	44	ug/Kg
2,4-Dinitrophenol	< 74	U	930	74	ug/Kg
4-Nitrophenol	< 41	U	930	41	ug/Kg
Dibenzofuran	1000	J	370	37	ug/Kg
2,4-Dinitrotoluene	< 41	U	370	41	ug/Kg
Diethylphthalate	< 37	U	370	37	ug/Kg
Chlorophenyl-phenylether	< 44	U	370	44	ug/Kg
Fluorene	1700		370	41	ug/Kg
4-Nitroaniline	< 88	U	930	88	ug/Kg
4,6-Dinitro-2-methylphenol	< 44	U	930	44	ug/Kg
N-Nitrosodiphenylamine	< 74	U	370	74	ug/Kg
4-Bromophenyl-phenylether	< 48	U	370	48	ug/Kg
Hexachlorobenzene	< 41	U	370	41	ug/Kg
Pentachlorophenol	< 70	U	930	70	ug/Kg
Phenanthrene	11000 15000	E J	370	37	ug/Kg
Anthracene	2200	J	370	48	ug/Kg
Carbazole	1400	J	370	15	ug/Kg
Di-n-butylphthalate	< 44	U	370	44	ug/Kg
Fluoranthene	13000 19000	E J	370	37	ug/Kg
Pyrene	18000 21000	E J	370	37	ug/Kg
Butylbenzylphthalate	57	J	370	37	ug/Kg
3,3'-Dichlorobenzidine	< 37	U	370	37	ug/Kg
Benzo(a)anthracene	7100 7400	E J	370	37	ug/Kg
Chrysene	6800 5400	E J	370	59	ug/Kg
bis(2-Ethylhexyl)phthalate	92	J J	370	37	ug/Kg
Di-n-octyl phthalate	96	J	370	55	ug/Kg
Benzo(b)fluoranthene	96000 9300	E J	370	37	ug/Kg
Benzo(k)fluoranthene	18000 2500	E J	370	96	ug/Kg
Benzo(a)pyrene	51000 8200	E J	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	98	J J	370	59	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002152.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 56	U R	370	56	ug/Kg
Benzo(g,h,i)perylene	1700	J	370	48	ug/Kg
SURROGATES					
2-Fluorophenol	204.35	68 %	25 - 121		SPK: 300
Phenol-d5	189.51	63 %	24 - 113		SPK: 300
Nitrobenzene-d5	128.24	64 %	23 - 120		SPK: 200
1,4-Dibromobiphenyl	141.06	71 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	211.75	71 %	19 - 122		SPK: 300
Terphenyl-d14	557.96	279 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	135483	4.64
Naphthalene-d8	547569	7.10
Acenaphthene-d10	293054	10.93
Phenanthrene-d10	514900	14.30
Chrysene-d12	273832	20.37
Perylene-d12	7145	23.38

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	450	J	1.85	ug/L
ACP	720	J	2.13	ug/L
ACP	11000	JB	2.47	ug/L
ACP	1100	J	3.34	ug/L
Dibenzofuran, 4-methyl-	110	J	12.72	ug/L
1,4-Naphthalenedione, 2,5-dihydro-	150	J	15.67	ug/L
Tridecanoic acid	82	J	16.04	ug/L
9,10-Anthracenedione	100	J	16.31	ug/L
Benzo[b]naphtho[2,3-d]furan	79	J	17.87	ug/L
9-phenylacracenecarbonitrile	94	J	17.97	ug/L
11H-Benzo[a]fluorene	300	J	18.38	ug/L
Pyrene, 4-methyl-	110	J	18.57	ug/L
7H-Benz[de]anthracen-7-one	75	J	19.56	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002152.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Benzo[b]naphtho[2,1-d]thiophene	80	J	19.73		ug/L
Benzo[c]phenanthrene	96	J	20.56		ug/L
Perylene	360	J	23.17		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04DL

Client ID: BS-30-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002177.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 370	U	3700	370	ug/Kg
bis(2-Chloroethyl)ether	< 440	U	3700	440	ug/Kg
2-Chlorophenol	< 410	U	3700	410	ug/Kg
1,2-Dichlorobenzene	< 370	U	3700	370	ug/Kg
1,3-Dichlorobenzene	< 440	U	3700	440	ug/Kg
1,4-Dichlorobenzene	< 370	U	3700	370	ug/Kg
4-Ethylphenol	< 370	U	3700	370	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 370	U	3700	370	ug/Kg
3+4-Methylphenols	< 660	U	3700	660	ug/Kg
N-Nitroso-di-n-propylamine	< 370	U	3700	370	ug/Kg
Hexachloroethane	< 410	U	3700	410	ug/Kg
Nitrobenzene	< 370	U	3700	370	ug/Kg
Isophorone	< 370	U	3700	370	ug/Kg
2-Nitrophenol	< 410	U	3700	410	ug/Kg
2,4-Dimethylphenol	< 850	U	3700	850	ug/Kg
bis(2-Chloroethoxy)methane	< 370	U	3700	370	ug/Kg
2,4-Dichlorophenol	< 480	U	3700	480	ug/Kg
1,2,4-Trichlorobenzene	< 440	U	3700	440	ug/Kg
Naphthalene	1200	JD	3700	440	ug/Kg
4-Chloroaniline	< 440	U	3700	440	ug/Kg
Hexachlorobutadiene	< 550	U	3700	550	ug/Kg
4-Chloro-3-methylphenol	< 410	U	3700	410	ug/Kg
2-Methylnaphthalene	< 440	U	3700	440	ug/Kg
Hexachlorocyclopentadiene	< 1400	U	3700	1400	ug/Kg
2,4,6-Trichlorophenol	< 370	U	3700	370	ug/Kg
2,4,5-Trichlorophenol	< 370	U	9300	370	ug/Kg
2-Chloronaphthalene	< 440	U	3700	440	ug/Kg
4-Nitroaniline	< 370	U	9300	370	ug/Kg
1,2-Dichlorophthalate	< 370	U	3700	370	ug/Kg
Acenaphthylene	1700	JD	3700	440	ug/Kg
2,6-Dinitrotoluene	< 370	U	3700	370	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04DL

Client ID: BS-30-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002177.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 440	U	9300	440	ug/Kg
Acenaphthene	600	JD	3700	440	ug/Kg
2,4-Dinitrophenol	< 740	U	9300	740	ug/Kg
4-Nitrophenol	< 410	U	9300	410	ug/Kg
Dibenzofuran	950	JD	3700	370	ug/Kg
2,4-Dinitrotoluene	< 410	U	3700	410	ug/Kg
Phthalic acid diethylphthalate	< 370	U	3700	370	ug/Kg
2-Chlorophenyl-phenylether	< 440	U	3700	440	ug/Kg
Fluorene	1600	JD	3700	410	ug/Kg
4-Nitroaniline	< 880	U	9300	880	ug/Kg
4,6-Dinitro-2-methylphenol	< 440	U	9300	440	ug/Kg
N-Nitrosodiphenylamine	< 740	U	3700	740	ug/Kg
4-Bromophenyl-phenylether	< 480	U	3700	480	ug/Kg
Hexachlorobenzene	< 410	U	3700	410	ug/Kg
Pentachlorophenol	< 700	U	9300	700	ug/Kg
Phenanthrene	15000	D	3700	370	ug/Kg
Anthracene	2000	JD	3700	480	ug/Kg
Carbazole	1300	JD	3700	150	ug/Kg
Di-n-butylphthalate	< 440	U	3700	440	ug/Kg
Fluoranthene	19000	D	3700	370	ug/Kg
Pyrene	41000	ED	3700	370	ug/Kg
Butylbenzylphthalate	< 370	U	3700	370	ug/Kg
3,3'-Dichlorobenzidine	< 370	U	3700	370	ug/Kg
Benzo(a)anthracene	7400	D	3700	370	ug/Kg
Chrysene	5700	D	3700	590	ug/Kg
bis(2-Ethylhexyl)phthalate	< 370	U	3700	370	ug/Kg
Di-n-octyl phthalate	< 550	U	3700	550	ug/Kg
Benzo(b)fluoranthene	9300	D	3700	370	ug/Kg
Benzo(k)fluoranthene	2500	JD	3700	960	ug/Kg
Benzo(a)pyrene	8300	D	3700	550	ug/Kg
Indeno(1,2,3-cd)pyrene	< 590	U	3700	590	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04DL

Client ID: BS-30-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002177.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 560	U	3700	560	ug/Kg
Benzo(g,h,i)perylene	< 480	U	3700	480	ug/Kg

SURROGATES

2-Fluorophenol	20.28	68 %	25 - 121		SPK: 300
Phenol-d5	20.18	67 %	24 - 113		SPK: 300
Nitrobenzene-d5	13.23	66 %	23 - 120		SPK: 200
Fluorobiphenyl	14.46	72 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	21.62	72 %	19 - 122		SPK: 300
Terphenyl-d14	61.94	310 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	111715	4.58
Naphthalene-d8	461750	7.04
Acenaphthene-d10	227549	10.86
Phenanthrene-d10	411332	14.19
Chrysene-d12	151612	20.23
Perylene-d12	8571	23.27

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04 DL2

Client ID: P3075-04 DL2

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002157.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 1800	U	18000	1800	ug/Kg
bis(2-Chloroethyl)ether	< 2200	U	18000	2200	ug/Kg
2-Chlorophenol	< 2000	U	18000	2000	ug/Kg
1,2-Dichlorobenzene	< 1800	U	18000	1800	ug/Kg
1,3-Dichlorobenzene	< 2200	U	18000	2200	ug/Kg
1,4-Dichlorobenzene	< 1800	U	18000	1800	ug/Kg
4-ethylphenol	< 1800	U	18000	1800	ug/Kg
2,2-dimethoxybis(1-chloropropane)	< 1800	U	18000	1800	ug/Kg
3+4-Methylphenols	< 3300	U	18000	3300	ug/Kg
N-Nitroso-di-n-propylamine	< 1800	U	18000	1800	ug/Kg
Hexachloroethane	< 2000	U	18000	2000	ug/Kg
Nitrobenzene	< 1800	U	18000	1800	ug/Kg
Isophorone	< 1800	U	18000	1800	ug/Kg
2-Nitrophenol	< 2000	U	18000	2000	ug/Kg
2,4-Dimethylphenol	< 4200	U	18000	4200	ug/Kg
bis(2-Chloroethoxy)methane	< 1800	U	18000	1800	ug/Kg
2,4-Dichlorophenol	< 2400	U	18000	2400	ug/Kg
1,2,4-Trichlorobenzene	< 2200	U	18000	2200	ug/Kg
Naphthalene	< 2200	U	18000	2200	ug/Kg
4-Chloroaniline	< 2200	U	18000	2200	ug/Kg
Hexachlorobutadiene	< 2800	U	18000	2800	ug/Kg
4-Chloro-3-methylphenol	< 2000	U	18000	2000	ug/Kg
2-Methylnaphthalene	< 2200	U	18000	2200	ug/Kg
Hexachlorocyclopentadiene	< 7000	U	18000	7000	ug/Kg
2,4,6-Trichlorophenol	< 1800	U	18000	1800	ug/Kg
2,4,5-Trichlorophenol	< 1800	U	46000	1800	ug/Kg
2-Chloronaphthalene	< 2200	U	18000	2200	ug/Kg
4-Nitroaniline	< 1800	U	46000	1800	ug/Kg
2-Methylphthalate	< 1800	U	18000	1800	ug/Kg
Acenaphthylene	< 2200	U	18000	2200	ug/Kg
2,6-Dinitrotoluene	< 1800	U	18000	1800	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04 DL2

Client ID: P3075-04 DL2

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002157.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 2200	U	46000	2200	ug/Kg
Acenaphthene	< 2200	U	18000	2200	ug/Kg
2,4-Dinitrophenol	< 3700	U	46000	3700	ug/Kg
4-Nitrophenol	< 2000	U	46000	2000	ug/Kg
Dibenzofuran	< 1800	U	18000	1800	ug/Kg
2,4-Dinitrotoluene	< 2000	U	18000	2000	ug/Kg
Di-n-butylphthalate	< 1800	U	18000	1800	ug/Kg
4-Chlorophenyl-phenylether	< 2200	U	18000	2200	ug/Kg
Fluorene	2000	U	18000	2000	ug/Kg
4-Nitroaniline	< 4400	U	46000	4400	ug/Kg
4,6-Dinitro-2-methylphenol	< 2200	U	46000	2200	ug/Kg
N-Nitrosodiphenylamine	< 3700	U	18000	3700	ug/Kg
4-Bromophenyl-phenylether	< 2400	U	18000	2400	ug/Kg
Hexachlorobenzene	< 2000	U	18000	2000	ug/Kg
Pentachlorophenol	< 3500	U	46000	3500	ug/Kg
Phenanthrene	17000	JD	18000	1800	ug/Kg
Anthracene	2500	JD	18000	2400	ug/Kg
Carbazole	< 750	U	18000	750	ug/Kg
Di-n-butylphthalate	< 2200	U	18000	2200	ug/Kg
Fluoranthene	24000	D	18000	1800	ug/Kg
Pyrene	21000	D	18000	1800	ug/Kg
Butylbenzylphthalate	< 1800	U	18000	1800	ug/Kg
3,3'-Dichlorobenzidine	< 1800	U	18000	1800	ug/Kg
Benzo(a)anthracene	9300	JD	18000	1800	ug/Kg
Chrysene	7100	JD	18000	2900	ug/Kg
bis(2-Ethylhexyl)phthalate	< 1800	U	18000	1800	ug/Kg
Di-n-octyl phthalate	< 2800	U	18000	2800	ug/Kg
Benzo(b)fluoranthene	7300	JD	18000	1800	ug/Kg
Benzo(k)fluoranthene	< 4800	U	18000	4800	ug/Kg
Benzo(a)pyrene	6400	JD	18000	2800	ug/Kg
Indeno(1,2,3-cd)pyrene	< 2900	U	18000	2900	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04 DL2

Client ID: P3075-04 DL2

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002157.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 2800	U	18000	2800	ug/Kg
Benzo(g,h,i)perylene	< 2400	U	18000	2400	ug/Kg
SURROGATES					
2-Fluorophenol	4.34	72 %	25 - 121		SPK: 300
Phenol-d5	5.22	87 %	24 - 113		SPK: 300
Nitrobenzene-d5	3.39	85 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	3.33	83 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	4.67	78 %	19 - 122		SPK: 300
Terphenyl-d14	7.32	183 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	98146	4.61			
Naphthalene-d8	418547	7.05			
Acenaphthene-d10	223617	10.88			
Phenanthrene-d10	425100	14.20			
Chrysene-d12	371635	20.23			
Perylene-d12	225197	23.28			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002145.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
4-Ethylphenol	< 33	U	330	33	ug/Kg
1,2-Dichloro-4-methoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 75	U	330	75	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 120	U	330	120	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	820	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
4-Nitroaniline	< 33	U	820	33	ug/Kg
1-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002145.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 39	U	820	39	ug/Kg
Acenaphthene	69	J	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	820	66	ug/Kg
4-Nitrophenol	< 36	U	820	36	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Di-n-butylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	70	J	330	36	ug/Kg
4-Nitroaniline	< 79	U	820	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	820	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 62	U	820	62	ug/Kg
Phenanthrene	940		330	33	ug/Kg
Anthracene	210	J	330	43	ug/Kg
Carbazole	100	J	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	1900		330	33	ug/Kg
Pyrene	3000	E	330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	1000		330	33	ug/Kg
Chrysene	680		330	52	ug/Kg
bis(2-Ethylhexyl)phthalate	77	J	330	33	ug/Kg
Di-n-octyl phthalate	110	J	330	49	ug/Kg
Benzo(b)fluoranthene	4300	E	330	33	ug/Kg
Benzo(k)fluoranthene	1800	J	330	85	ug/Kg
Benzo(a)pyrene	930	J	330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 52	U	330	52	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002145.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 49	U U	330	49	ug/Kg
Benzo(g,h,i)perylene	< 43	U U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	185.8	62 %	25 - 121		SPK: 300
Phenol-d5	186.35	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	123.33	62 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	138.29	69 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	177.88	59 %	19 - 122		SPK: 300
Terphenyl-d14	585.76	293 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	120051	4.64
Naphthalene-d8	514461	7.08
Acenaphthene-d10	256340	10.91
Phenanthrene-d10	456685	14.24
Chrysene-d12	247639	20.29
Perylene-d12	32046	23.35

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	410	J	1.86	ug/L
ACP	630	J	2.13	ug/L
ACP	11000	JB	2.45	ug/L
ACP	410	J	2.92	ug/L
ACP	920	J	3.34	ug/L
4H-Cyclopenta[def]phenanthrene	100	J	15.64	ug/L
Anthracene, 1-methyl-	67	J	15.66	ug/L
Hexadecanoic acid	230	J	15.97	ug/L

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05DL

Client ID: BS-34-8DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002181.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 160	U	1600	160	ug/Kg
bis(2-Chloroethyl)ether	< 190	U	1600	190	ug/Kg
2-Chlorophenol	< 180	U	1600	180	ug/Kg
1,2-Dichlorobenzene	< 160	U	1600	160	ug/Kg
1,3-Dichlorobenzene	< 190	U	1600	190	ug/Kg
1,4-Dichlorobenzene	< 160	U	1600	160	ug/Kg
2,4,6-Trichlorophenol	< 160	U	1600	160	ug/Kg
2,2'-oxybis(1-chloropropane)	< 160	U	1600	160	ug/Kg
3+4-Methylphenols	< 290	U	1600	290	ug/Kg
N-Nitroso-di-n-propylamine	< 160	U	1600	160	ug/Kg
Hexachloroethane	< 180	U	1600	180	ug/Kg
Nitrobenzene	< 160	U	1600	160	ug/Kg
Isophorone	< 160	U	1600	160	ug/Kg
2-Nitrophenol	< 180	U	1600	180	ug/Kg
2,4-Dimethylphenol	< 380	U	1600	380	ug/Kg
bis(2-Chloroethoxy)methane	< 160	U	1600	160	ug/Kg
2,4-Dichlorophenol	< 210	U	1600	210	ug/Kg
1,2,4-Trichlorobenzene	< 190	U	1600	190	ug/Kg
Naphthalene	< 190	U	1600	190	ug/Kg
4-Chloroaniline	< 190	U	1600	190	ug/Kg
Hexachlorobutadiene	< 250	U	1600	250	ug/Kg
4-Chloro-3-methylphenol	< 180	U	1600	180	ug/Kg
2-Methylnaphthalene	< 190	U	1600	190	ug/Kg
Hexachlorocyclopentadiene	< 620	U	1600	620	ug/Kg
2,4,6-Trichlorophenol	< 160	U	1600	160	ug/Kg
2,4,5-Trichlorophenol	< 160	U	4100	160	ug/Kg
2-Chloronaphthalene	< 190	U	1600	190	ug/Kg
4-Nitroaniline	< 160	U	4100	160	ug/Kg
2-Methylphthalate	< 160	U	1600	160	ug/Kg
Acenaphthylene	< 190	U	1600	190	ug/Kg
2,6-Dinitrotoluene	< 160	U	1600	160	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05DL

Client ID: BS-34-8DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002181.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 190	U	4100	190	ug/Kg
Acenaphthene	< 190	U	1600	190	ug/Kg
2,4-Dinitrophenol	< 330	U	4100	330	ug/Kg
4-Nitrophenol	< 180	U	4100	180	ug/Kg
Dibenzofuran	< 160	U	1600	160	ug/Kg
2,4-Dinitrotoluene	< 180	U	1600	180	ug/Kg
Diethylphthalate	< 160	U	1600	160	ug/Kg
4-Chlorophenyl-phenylether	< 190	U	1600	190	ug/Kg
Fluorene	< 180	U	1600	180	ug/Kg
4-Nitroaniline	< 390	U	4100	390	ug/Kg
4,6-Dinitro-2-methylphenol	< 190	U	4100	190	ug/Kg
N-Nitrosodiphenylamine	< 330	U	1600	330	ug/Kg
4-Bromophenyl-phenylether	< 210	U	1600	210	ug/Kg
Hexachlorobenzene	< 180	U	1600	180	ug/Kg
Pentachlorophenol	< 310	U	4100	310	ug/Kg
Phenanthrene	800	JD	1600	160	ug/Kg
Anthracene	< 210	U	1600	210	ug/Kg
Carbazole	< 67	U	1600	67	ug/Kg
Di-n-butylphthalate	< 190	U	1600	190	ug/Kg
Fluoranthene	1600	JD	1600	160	ug/Kg
Pyrene	1800	D	1600	160	ug/Kg
Butylbenzylphthalate	< 160	U	1600	160	ug/Kg
3,3'-Dichlorobenzidine	< 160	U	1600	160	ug/Kg
Benzo(a)anthracene	820	JD	1600	160	ug/Kg
Chrysene	570	JD	1600	260	ug/Kg
bis(2-Ethylhexyl)phthalate	< 160	U	1600	160	ug/Kg
Di-n-octyl phthalate	< 250	U	1600	250	ug/Kg
Benzo(b)fluoranthene	500	JD	1600	160	ug/Kg
Benzo(k)fluoranthene	< 430	U	1600	430	ug/Kg
Benzo(a)pyrene	290	JD	1600	250	ug/Kg
Indeno(1,2,3-cd)pyrene	< 260	U	1600	260	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05DL

Client ID: BS-34-8DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002181.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.8

Extract Vol: 1000

Injection Vol: 2

% Moisture: 5

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 250	U	1600	250	ug/Kg
Benzo(g,h,i)perylene	< 210	U	1600	210	ug/Kg

SURROGATES

2-Fluorophenol	164.2	55 %	25 - 121	SPK: 300
Phenol-d5	186.2	62 %	24 - 113	SPK: 300
1,2,3,4-tetrafluorobenzene-d5	118.85	59 %	23 - 120	SPK: 200
2,3,4,5-tetrafluorobiphenyl	136.4	68 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	155.95	52 %	19 - 122	SPK: 300
Terphenyl-d14	360.3	180 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	111274	4.54
Naphthalene-d8	470301	6.99
Acenaphthene-d10	233042	10.82
Phenanthrene-d10	423710	14.13
Chrysene-d12	322768	20.15
Perylene-d12	80274	23.19

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002149.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 41	U	350	41	ug/Kg
2-Chlorophenol	< 38	U	350	38	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 41	U	350	41	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
4-Ethylphenol	< 35	U	350	35	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 63	U	350	63	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 38	U	350	38	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 38	U	350	38	ug/Kg
2,4-Dimethylphenol	< 80	U	350	80	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 45	U	350	45	ug/Kg
1,2,4-Trichlorobenzene	< 41	U	350	41	ug/Kg
Naphthalene	70	J	350	41	ug/Kg
4-Chloroaniline	< 41	U	350	41	ug/Kg
Hexachlorobutadiene	< 52	U	350	52	ug/Kg
4-Chloro-3-methylphenol	< 38	U	350	38	ug/Kg
2-Methylnaphthalene	< 41	U	350	41	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	880	35	ug/Kg
2-Chloronaphthalene	< 41	U	350	41	ug/Kg
4-Nitroaniline	< 35	U	880	35	ug/Kg
2-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 41	U	350	41	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002149.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 41	U	880	41	ug/Kg
Acenaphthene	160	J	350	41	ug/Kg
2,4-Dinitrophenol	< 70	U	880	70	ug/Kg
4-Nitrophenol	< 38	U	880	38	ug/Kg
Dibenzofuran	88	J	350	35	ug/Kg
2,4-Dinitrotoluene	< 38	U	350	38	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 41	U	350	41	ug/Kg
Fluorene	160	J	350	38	ug/Kg
4-Nitroaniline	< 84	U	880	84	ug/Kg
4,6-Dinitro-2-methylphenol	< 41	U	880	41	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 45	U	350	45	ug/Kg
Hexachlorobenzene	< 38	U	350	38	ug/Kg
Pentachlorophenol	< 66	U	880	66	ug/Kg
Phenanthrene	1700		350	35	ug/Kg
Anthracene	370		350	45	ug/Kg
Carbazole	190	J	350	14	ug/Kg
Di-n-butylphthalate	< 41	U	350	41	ug/Kg
Fluoranthene	2600		350	35	ug/Kg
Pyrene	4800 3500	E J	350	35	ug/Kg
Butylbenzylphthalate	510	J	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U UJ	350	35	ug/Kg
Benzo(a)anthracene	1200	J	350	35	ug/Kg
Chrysene	900	J	350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	36	J J	350	35	ug/Kg
Di-n-octyl phthalate	< 52	U UJ	350	52	ug/Kg
Benzo(b)fluoranthene	3600 850	E J	350	35	ug/Kg
Benzo(k)fluoranthene	1400	J	350	91	ug/Kg
Benzo(a)pyrene	1400	J	350	52	ug/Kg
Indeno(1,2,3-cd)pyrene	< 56	U J	350	56	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002149.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 45	U	350	45	ug/Kg
SURROGATES					
2-Fluorophenol	174.64	58 %	25 - 121		SPK: 300
Phenol-d5	199.93	67 %	24 - 113		SPK: 300
Nitrobenzene-d5	131.35	66 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	152.37	76 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	179.69	60 %	19 - 122		SPK: 300
Terphenyl-d14	767.84	384 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	131499	4.64
Naphthalene-d8	548423	7.08
Acenaphthene-d10	273903	10.92
Phenanthrene-d10	488987	14.25
Chrysene-d12	216281	20.31
Perylene-d12	13062	23.36

TENTATIVE IDENTIFIED COMPOUNDS

ACP	810	J	2.13	ug/L
ACP	14000	JB	2.49	ug/L
ACP	1000	J	3.34	ug/L
4H-Cyclopenta[def]phenanthrene	100	J	15.63	ug/L
Hexadecanoic acid	250	J	15.98	ug/L

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06DL

Client ID: BS-38-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002159.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 170	U	1700	170	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1700	210	ug/Kg
2-Chlorophenol	< 190	U	1700	190	ug/Kg
1,2-Dichlorobenzene	< 170	U	1700	170	ug/Kg
1,3-Dichlorobenzene	< 210	U	1700	210	ug/Kg
1,4-Dichlorobenzene	< 170	U	1700	170	ug/Kg
2,4-Dimethylphenol	< 170	U	1700	170	ug/Kg
2,2'-oxybis(1-chloropropane)	< 170	U	1700	170	ug/Kg
3+4-Methylphenols	< 310	U	1700	310	ug/Kg
N-Nitroso-di-n-propylamine	< 170	U	1700	170	ug/Kg
Hexachloroethane	< 190	U	1700	190	ug/Kg
Nitrobenzene	< 170	U	1700	170	ug/Kg
Isophorone	< 170	U	1700	170	ug/Kg
2-Nitrophenol	< 190	U	1700	190	ug/Kg
2,4-Dimethylphenol	< 400	U	1700	400	ug/Kg
bis(2-Chloroethoxy)methane	< 170	U	1700	170	ug/Kg
2,4-Dichlorophenol	< 230	U	1700	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1700	210	ug/Kg
Naphthalene	< 210	U	1700	210	ug/Kg
4-Chloroaniline	< 210	U	1700	210	ug/Kg
Hexachlorobutadiene	< 260	U	1700	260	ug/Kg
4-Chloro-3-methylphenol	< 190	U	1700	190	ug/Kg
2-Methylnaphthalene	< 210	U	1700	210	ug/Kg
Hexachlorocyclopentadiene	< 660	U	1700	660	ug/Kg
2,4,6-Trichlorophenol	< 170	U	1700	170	ug/Kg
2,4,5-Trichlorophenol	< 170	U	4400	170	ug/Kg
2-Chloronaphthalene	< 210	U	1700	210	ug/Kg
2-Chloroaniline	< 170	U	4400	170	ug/Kg
Dimethylphthalate	< 170	U	1700	170	ug/Kg
Acenaphthylene	< 210	U	1700	210	ug/Kg
2,6-Dinitrotoluene	< 170	U	1700	170	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06DL

Client ID: BS-38-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002159.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 210	U	4400	210	ug/Kg
Acenaphthene	< 210	U	1700	210	ug/Kg
2,4-Dinitrophenol	< 350	U	4400	350	ug/Kg
4-Nitrophenol	< 190	U	4400	190	ug/Kg
Dibenzofuran	< 170	U	1700	170	ug/Kg
2,4-Dinitrotoluene	< 190	U	1700	190	ug/Kg
Diethylphthalate	< 170	U	1700	170	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1700	210	ug/Kg
Fluorene	< 190	U	1700	190	ug/Kg
4-Nitroaniline	< 420	U	4400	420	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4400	210	ug/Kg
N-Nitrosodiphenylamine	< 350	U	1700	350	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1700	230	ug/Kg
Hexachlorobenzene	< 190	U	1700	190	ug/Kg
Pentachlorophenol	< 330	U	4400	330	ug/Kg
Phenanthrene	1500	JD	1700	170	ug/Kg
Anthracene	300	JD	1700	230	ug/Kg
Carbazole	180	JD	1700	71	ug/Kg
Di-n-butylphthalate	< 210	U	1700	210	ug/Kg
Fluoranthene	2300	D	1700	170	ug/Kg
Pyrene	3500	D	1700	170	ug/Kg
Butylbenzylphthalate	440	JD	1700	170	ug/Kg
3,3'-Dichlorobenzidine	< 170	U	1700	170	ug/Kg
Benzo(a)anthracene	960	JD	1700	170	ug/Kg
Chrysene	540	JD	1700	280	ug/Kg
bis(2-Ethylhexyl)phthalate	< 170	U	1700	170	ug/Kg
Di-n-octyl phthalate	< 260	U	1700	260	ug/Kg
Benzo(b)fluoranthene	850	JD	1700	170	ug/Kg
Benzo(k)fluoranthene	< 450	U	1700	450	ug/Kg
Benzo(a)pyrene	430	JD	1700	260	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1700	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06DL

Client ID: BS-38-12DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002159.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Vol: 31.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 260	U	1700	260	ug/Kg
Benzo(g,h,i)perylene	< 230	U	1700	230	ug/Kg
SURROGATES					
2-Fluorophenol	173	58 %	25 - 121		SPK: 300
Phenol-d5	205.3	68 %	24 - 113		SPK: 300
Nitrobenzene-d5	141.25	71 %	23 - 120		SPK: 200
Fluorobiphenyl	144.6	72 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	183.5	61 %	19 - 122		SPK: 300
Terphenyl-d14	550.7	275 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	102731	4.60			
Naphthalene-d8	426411	7.05			
Acenaphthene-d10	222672	10.89			
Phenanthrene-d10	392980	14.20			
Chrysene-d12	208453	20.23			
Perylene-d12	32675	23.27			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002148.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	350	42	ug/Kg
2-Chlorophenol	< 39	U	350	39	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 42	U	350	42	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
ethylphenol	< 35	U	350	35	ug/Kg
2,2'-oxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 63	U	350	63	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 39	U	350	39	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 39	U	350	39	ug/Kg
2,4-Dimethylphenol	< 81	U	350	81	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 46	U	350	46	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	350	42	ug/Kg
Naphthalene	290	J	350	42	ug/Kg
4-Chloroaniline	< 42	U	350	42	ug/Kg
Hexachlorobutadiene	< 53	U	350	53	ug/Kg
4-Chloro-3-methylphenol	< 39	U	350	39	ug/Kg
2-Methylnaphthalene	140	J	350	42	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	880	35	ug/Kg
2-Chloronaphthalene	< 42	U	350	42	ug/Kg
4-Chloroaniline	< 35	U	880	35	ug/Kg
2-Methylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	300	J	350	42	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002148.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 42	U	880	42	ug/Kg
Acenaphthene	1000		350	42	ug/Kg
2,4-Dinitrophenol	< 70	U	880	70	ug/Kg
4-Nitrophenol	< 39	U	880	39	ug/Kg
Dibenzofuran	470		350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	830		350	39	ug/Kg
4-Nitroaniline	< 84	U	880	84	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	880	42	ug/Kg
N-Nitrosodiphenylamine	< 70	U	350	70	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	880	67	ug/Kg
Phenanthrene	5000	E 5100	350	35	ug/Kg
Anthracene	1400		350	46	ug/Kg
Carbazole	780		350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	4100	E 3800	350	35	ug/Kg
Pyrene	4500	E 1200	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	1700		350	35	ug/Kg
Chrysene	1600		350	56	ug/Kg
bis(2-Ethylhexyl)phthalate	66	J	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzo(b)fluoranthene	4900	E 1400	350	35	ug/Kg
Benzo(k)fluoranthene	2600		350	91	ug/Kg
Benzo(a)pyrene	2600		350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 56	U	350	56	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002148.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U 45	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U 4	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	191.76	64 %	25 - 121		SPK: 300
Phenol-d5	195.44	65 %	24 - 113		SPK: 300
Nitrobenzene-d5	130.11	65 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	139.65	70 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	209.7	70 %	19 - 122		SPK: 300
Terphenyl-d14	387.62	194 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	122962	4.63			
Naphthalene-d8	509950	7.10			
Acenaphthene-d10	258944	10.92			
Phenanthrene-d10	456573	14.26			
Chrysene-d12	386776	20.34			
Perylene-d12	44262	23.38			
TENTATIVE IDENTIFIED COMPOUNDS					
Hexanal	370	J	1.85		ug/L
ACP	640	J	2.13		ug/L
ACP	11000	JB	2.46		ug/L
ACP	990	J	3.33		ug/L
Phenol, 4-(1,1,3,3-tetramethylbutyl)	620	J	12.34		ug/L
Hexanedioic acid, dioctyl ester	300	J	19.56		ug/L
5,6-Dimethyl-4-phenyl-3-cyanopyr	220	J	21.45		ug/L
17-Pentatriacontene	220	J	21.81		ug/L
Unknown	670	J	21.87		ug/L
Unknown	350	J	21.97		ug/L
Dodecane, 4,6-dimethyl-	370	J	22.01		ug/L
Undecane, 6-ethyl-	400	J	22.03		ug/L
Dodecane	1400	J	22.14		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002148.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

1H-Indene, 1,1-(1,2-ethanediyliden	380	J	22.38		ug/L
Triacontane	520	J	22.47		ug/L
Squalene	1300	J	22.59		ug/L
Benzo[j]fluoranthene	800	J	22.84		ug/L
Benz[e]acephenanthrylene	1200	J	23.17		ug/L
Hexatriacontane	220	J	23.75		ug/L

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07DL

Client ID: BS-40-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002160.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 190	U	1800	190	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 180	U	1800	180	ug/Kg
2,2'-oxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 190	U	1800	190	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 190	U	1800	190	ug/Kg
2,4-Dimethylphenol	< 400	U	1800	400	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	270	JD	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 260	U	1800	260	ug/Kg
4-Chloro-3-methylphenol	< 190	U	1800	190	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 670	U	1800	670	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4400	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Chloroaniline	< 180	U	4400	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07DL

Client ID: BS-40-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002160.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4400	210	ug/Kg
Acenaphthene	940	JD	1800	210	ug/Kg
2,4-Dinitrophenol	< 350	U	4400	350	ug/Kg
4-Nitrophenol	< 190	U	4400	190	ug/Kg
Dibenzofuran	430	JD	1800	180	ug/Kg
2,4-Dinitrotoluene	< 190	U	1800	190	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	780	JD	1800	190	ug/Kg
4-Nitroaniline	< 420	U	4400	420	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4400	210	ug/Kg
N-Nitrosodiphenylamine	< 350	U	1800	350	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 190	U	1800	190	ug/Kg
Pentachlorophenol	< 330	U	4400	330	ug/Kg
Phenanthrene	5200	D	1800	180	ug/Kg
Anthracene	1200	JD	1800	230	ug/Kg
Carbazole	660	JD	1800	72	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	3800	D	1800	180	ug/Kg
Pyrene	7200	D	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	1400	JD	1800	180	ug/Kg
Chrysene	750	JD	1800	280	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 260	U	1800	260	ug/Kg
Benzo(b)fluoranthene	1400	JD	1800	180	ug/Kg
Benzo(k)fluoranthene	< 460	U	1800	460	ug/Kg
Benzo(a)pyrene	740	JD	1800	260	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1800	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07DL

Client ID: BS-40-4DL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002160.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 260	U	1800	260	ug/Kg
Benzo(g,h,i)perylene	< 230	U	1800	230	ug/Kg

SURROGATES

2-Fluorophenol	201.2	67 %	25 - 121	SPK: 300
Phenol-d5	217.2	72 %	24 - 113	SPK: 300
benzene-d5	134.1	67 %	23 - 120	SPK: 200
fluorobiphenyl	148.2	74 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	221	74 %	19 - 122	SPK: 300
Terphenyl-d14	478.4	239 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	101524	4.60
Naphthalene-d8	430752	7.05
Acenaphthene-d10	219401	10.88
Phenanthrene-d10	394641	14.20
Chrysene-d12	156752	20.25
Perylene-d12	25334	23.28

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002143.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 40	U	400	40	ug/Kg
bis(2-Chloroethyl)ether	< 48	U	400	48	ug/Kg
2-Chlorophenol	< 44	U	400	44	ug/Kg
1,2-Dichlorobenzene	< 40	U	400	40	ug/Kg
1,3-Dichlorobenzene	< 48	U	400	48	ug/Kg
1,4-Dichlorobenzene	< 40	U	400	40	ug/Kg
2,4-Dichlorophenol	< 40	U	400	40	ug/Kg
2,6-Dichlorophenol	< 40	U	400	40	ug/Kg
2,4-Dichloroxybis(1-chloropropane)	< 40	U	400	40	ug/Kg
3+4-Methylphenols	< 73	U	400	73	ug/Kg
N-Nitroso-di-n-propylamine	< 40	U	400	40	ug/Kg
Hexachloroethane	< 44	U	400	44	ug/Kg
Nitrobenzene	< 40	U	400	40	ug/Kg
Isophorone	< 40	U	400	40	ug/Kg
2-Nitrophenol	< 44	U	400	44	ug/Kg
2,4-Dimethylphenol	< 93	U	400	93	ug/Kg
bis(2-Chloroethoxy)methane	< 40	U	400	40	ug/Kg
2,4-Dichlorophenol	< 53	U	400	53	ug/Kg
1,2,4-Trichlorobenzene	< 48	U	400	48	ug/Kg
Naphthalene	< 48	U	400	48	ug/Kg
4-Chloroaniline	< 48	U	400	48	ug/Kg
Hexachlorobutadiene	< 61	U	400	61	ug/Kg
4-Chloro-3-methylphenol	< 44	U	400	44	ug/Kg
2-Methylnaphthalene	< 48	U	400	48	ug/Kg
Hexachlorocyclopentadiene	< 150	U	400	150	ug/Kg
2,4,6-Trichlorophenol	< 40	U	400	40	ug/Kg
2,4,5-Trichlorophenol	< 40	U	1000	40	ug/Kg
2-Chloronaphthalene	< 48	U	400	48	ug/Kg
2-Nitroaniline	< 40	U	1000	40	ug/Kg
2-Methylphthalate	< 40	U	400	40	ug/Kg
Acenaphthylene	< 48	U	400	48	ug/Kg
2,6-Dinitrotoluene	< 40	U	400	40	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002143.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 48	U	1000	48	ug/Kg
Acenaphthene	100	J	400	48	ug/Kg
2,4-Dinitrophenol	< 81	U	1000	81	ug/Kg
4-Nitrophenol	< 44	U	1000	44	ug/Kg
Dibenzofuran	41	J	400	40	ug/Kg
2,4-Dinitrotoluene	< 44	U	400	44	ug/Kg
Diethylphthalate	< 40	U	400	40	ug/Kg
4-Chlorophenyl-phenylether	< 48	U	400	48	ug/Kg
Fluorene	80	J	400	44	ug/Kg
4-Nitroaniline	< 97	U	1000	97	ug/Kg
4,6-Dinitro-2-methylphenol	< 48	U	1000	48	ug/Kg
N-Nitrosodiphenylamine	< 81	U	400	81	ug/Kg
4-Bromophenyl-phenylether	< 53	U	400	53	ug/Kg
Hexachlorobenzene	< 44	U	400	44	ug/Kg
Pentachlorophenol	< 77	U	1000	77	ug/Kg
Phenanthrene	700		400	40	ug/Kg
Anthracene	160	J	400	53	ug/Kg
Carbazole	120	J	400	17	ug/Kg
Di-n-butylphthalate	< 48	U	400	48	ug/Kg
Fluoranthene	1200		400	40	ug/Kg
Pyrene	1000		400	40	ug/Kg
Butylbenzylphthalate	< 40	U	400	40	ug/Kg
3,3'-Dichlorobenzidine	< 40	U	400	40	ug/Kg
Benzo(a)anthracene	510		400	40	ug/Kg
Chrysene	410		400	65	ug/Kg
bis(2-Ethylhexyl)phthalate	480		400	40	ug/Kg
Di-n-octyl phthalate	< 61	U	400	61	ug/Kg
Benzofluoranthene	710		400	40	ug/Kg
Benzo(k)fluoranthene	260	J	400	110	ug/Kg
Benzo(a)pyrene	360	J	400	61	ug/Kg
Indeno(1,2,3-cd)pyrene	< 65	U	400	65	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002143.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 61	U	400	61	ug/Kg
Benzo(g,h,i)perylene	< 53	U	400	53	ug/Kg
SURROGATES					
2-Fluorophenol	148.97	50 %	25 - 121		SPK: 300
Phenol-d5	186.63	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	139.86	70 %	23 - 120		SPK: 200
1-chlorobiphenyl	142.38	71 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	121.18	40 %	19 - 122		SPK: 300
Terphenyl-d14	352.82	176 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	117685	4.65
Naphthalene-d8	478588	7.09
Acenaphthene-d10	237797	10.92
Phenanthrene-d10	450683	14.25
Chrysene-d12	394883	20.33
Perylene-d12	185144	23.40

TENTATIVE IDENTIFIED COMPOUNDS

ACP	820	J	2.21	ug/L
ACP	16000	JB	2.55	ug/L
ACP	850	J	3.35	ug/L
Heptadecane, 2,6,10,14-tetramethyl	720	J	12.70	ug/L
Hexadecanoic acid	770	J	15.97	ug/L
Tritetracontane	250	J	21.09	ug/L
Heptadecane, 2,3-dimethyl-	270	J	21.46	ug/L
Oxirane, [(dodecyloxy)methyl]-	390	J	21.81	ug/L
Octadecane, 1-chloro-	630	J	22.04	ug/L
Decadecane, 1-chloro-	660	J	22.19	ug/L
Decahydro-4,4,8,9,10-pentamethyl	640	J	22.35	ug/L
Nonadecane	510	J	22.51	ug/L
Unknown	1700	J	22.88	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002143.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Heptacosane	870	J	23.15		ug/L
Benzo[e]pyrene	250	J	23.19		ug/L
9-Nonadecene	320	J	23.52		ug/L
Unknown	630	J	24.27		ug/L
Unknown	280	J	24.80		ug/L
Triacontane	280	J	24.97		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08RE

Client ID: BS-48-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001747.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 40	U	400	40	ug/Kg
bis(2-Chloroethyl)ether	< 48	U	400	48	ug/Kg
2-Chlorophenol	< 44	U	400	44	ug/Kg
1,2-Dichlorobenzene	< 40	U	400	40	ug/Kg
1,3-Dichlorobenzene	< 48	U	400	48	ug/Kg
1,4-Dichlorobenzene	< 40	U	400	40	ug/Kg
4-Ethylphenol	< 40	U	400	40	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 40	U	400	40	ug/Kg
3+4-Methylphenols	< 73	U	400	73	ug/Kg
N-Nitroso-di-n-propylamine	< 40	U	400	40	ug/Kg
Hexachloroethane	< 44	U	400	44	ug/Kg
Nitrobenzene	< 40	U	400	40	ug/Kg
Isophorone	< 40	U	400	40	ug/Kg
2-Nitrophenol	< 44	U	400	44	ug/Kg
2,4-Dimethylphenol	< 93	U	400	93	ug/Kg
bis(2-Chloroethoxy)methane	< 40	U	400	40	ug/Kg
2,4-Dichlorophenol	< 53	U	400	53	ug/Kg
1,2,4-Trichlorobenzene	< 48	U	400	48	ug/Kg
Naphthalene	60	J	400	48	ug/Kg
4-Chloroaniline	< 48	U	400	48	ug/Kg
Hexachlorobutadiene	< 61	U	400	61	ug/Kg
4-Chloro-3-methylphenol	< 44	U	400	44	ug/Kg
2-Methylnaphthalene	< 48	U	400	48	ug/Kg
Hexachlorocyclopentadiene	< 150	U	400	150	ug/Kg
2,4,6-Trichlorophenol	< 40	U	400	40	ug/Kg
2,4,5-Trichlorophenol	< 40	U	1000	40	ug/Kg
2-Chloronaphthalene	< 48	U	400	48	ug/Kg
2-Nitroaniline	< 40	U	1000	40	ug/Kg
1-Methylphthalate	< 40	U	400	40	ug/Kg
Acenaphthylene	< 48	U	400	48	ug/Kg
2,6-Dinitrotoluene	< 40	U	400	40	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08RE

Client ID: BS-48-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001747.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 48	U	1000	48	ug/Kg
Acenaphthene	140	J	400	48	ug/Kg
2,4-Dinitrophenol	< 81	U	1000	81	ug/Kg
4-Nitrophenol	< 44	U	1000	44	ug/Kg
Dibenzofuran	67	J	400	40	ug/Kg
2,4-Dinitrotoluene	< 44	U	400	44	ug/Kg
Diethylphthalate	< 40	U	400	40	ug/Kg
Chlorophenyl-phenylether	< 48	U	400	48	ug/Kg
Fluorene	110	J	400	44	ug/Kg
4-Nitroaniline	< 97	U	1000	97	ug/Kg
4,6-Dinitro-2-methylphenol	< 48	U	1000	48	ug/Kg
N-Nitrosodiphenylamine	< 81	U	400	81	ug/Kg
4-Bromophenyl-phenylether	< 53	U	400	53	ug/Kg
Hexachlorobenzene	< 44	U	400	44	ug/Kg
Pentachlorophenol	< 77	U	1000	77	ug/Kg
Phenanthrene	830		400	40	ug/Kg
Anthracene	230	J	400	53	ug/Kg
Carbazole	130	J	400	17	ug/Kg
Di-n-butylphthalate	< 48	U	400	48	ug/Kg
Fluoranthene	1100		400	40	ug/Kg
Pyrene	1000		400	40	ug/Kg
Butylbenzylphthalate	< 40	U	400	40	ug/Kg
3,3'-Dichlorobenzidine	< 40	U	400	40	ug/Kg
Benzo(a)anthracene	580		400	40	ug/Kg
Chrysene	640		400	65	ug/Kg
bis(2-Ethylhexyl)phthalate	670		400	40	ug/Kg
Di-n-octyl phthalate	< 61	U	400	61	ug/Kg
Benzo(b)fluoranthene	570		400	40	ug/Kg
Benzo(k)fluoranthene	590	J	400	110	ug/Kg
Benzo(a)pyrene	490		400	61	ug/Kg
Indeno(1,2,3-cd)pyrene	210	J	400	65	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08RE

Client ID: BS-48-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001747.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.6

Extract Vol: 1000

Injection Vol: 2

% Moisture: 20

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 61	U	400	61	ug/Kg
Benzo(g,h,i)perylene	200	J	400	53	ug/Kg
SURROGATES					
2-Fluorophenol	126.15	42 %	25 - 121		SPK: 300
Phenol-d5	157.42	52 %	24 - 113		SPK: 300
Nitrobenzene-d5	128.06	64 %	23 - 120		SPK: 200
Fluorobiphenyl	125.54	63 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	108.51	36 %	19 - 122		SPK: 300
Terphenyl-d14	134.39	67 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	61091	8.21			
Naphthalene-d8	195058	10.44			
Acenaphthene-d10	104854	13.72			
Phenanthrene-d10	167014	16.53			
Chrysene-d12	132763	21.60			
Perylene-d12	108974	25.54			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002142.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 37	U	330	37	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dimethylphenol	< 33	U	330	33	ug/Kg
2,6-Dimethylphenol	< 33	U	330	33	ug/Kg
2-Methoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 60	U	330	60	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 37	U	330	37	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 37	U	330	37	ug/Kg
2,4-Dimethylphenol	< 76	U	330	76	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 50	U	330	50	ug/Kg
4-Chloro-3-methylphenol	< 37	U	330	37	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 130	U	330	130	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	840	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
2-Methoxyaniline	< 33	U	840	33	ug/Kg
1-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002142.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 39	U	840	39	ug/Kg
Acenaphthene	< 39	U	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	840	66	ug/Kg
4-Nitrophenol	< 37	U	840	37	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 37	U	330	37	ug/Kg
Phthalate	< 33	U	330	33	ug/Kg
Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	< 37	U	330	37	ug/Kg
4-Nitroaniline	< 80	U	840	80	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	840	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 37	U	330	37	ug/Kg
Pentachlorophenol	< 63	U	840	63	ug/Kg
Phenanthrene	240	J	330	33	ug/Kg
Anthracene	61	J	330	43	ug/Kg
Carbazole	< 14	U	330	14	ug/Kg
Di-n-butylphthalate	68	J	330	39	ug/Kg
Fluoranthene	440		330	33	ug/Kg
Pyrene	900		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	280	J	330	33	ug/Kg
Chrysene	130	J	330	53	ug/Kg
bis(2-Ethylhexyl)phthalate	48	J	330	33	ug/Kg
Di-n-octyl phthalate	< 50	U	330	50	ug/Kg
Benzo(b)fluoranthene	320	J	330	33	ug/Kg
Benzo(k)fluoranthene	88	J	330	86	ug/Kg
Benzo(a)pyrene	150	J	330	50	ug/Kg
Indeno(1,2,3-cd)pyrene	< 53	U	330	53	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002142.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	157.55	53 %	25 - 121		SPK: 300
Phenol-d5	176.47	59 %	24 - 113		SPK: 300
Nitrobenzene-d5	125.47	63 %	23 - 120		SPK: 200
orobiphenyl	132.62	66 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	193.61	65 %	19 - 122		SPK: 300
Terphenyl-d14	673.68	337 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	126490	4.64			
Naphthalene-d8	511565	7.08			
Acenaphthene-d10	253184	10.91			
Phenanthrene-d10	452543	14.24			
Chrysene-d12	203204	20.30			
Perylene-d12	38578	23.34			
TENTATIVE IDENTIFIED COMPOUNDS					
ACP	610	J	2.14		ug/L
ACP	8200	JB	2.45		ug/L
ACP	1700	J	2.47		ug/L
ACP	930	J	3.34		ug/L
Butanoic acid, 3-methyl-	110	J	4.75		ug/L
Hexanoic acid	300	J	4.79		ug/L
Hexadecanoic acid	570	J	15.97		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09RE

Client ID: BS-50-4RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001746.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 37	U	330	37	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 33	U	330	33	ug/Kg
2,6-Dichlorophenol	< 33	U	330	33	ug/Kg
2,4-Dichlorophenoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 60	U	330	60	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 37	U	330	37	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 37	U	330	37	ug/Kg
2,4-Dimethylphenol	< 76	U	330	76	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 50	U	330	50	ug/Kg
4-Chloro-3-methylphenol	< 37	U	330	37	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 130	U	330	130	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	840	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
2-Chloroaniline	< 33	U	840	33	ug/Kg
1-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09RE

Client ID: BS-50-4RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001746.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 39	U	840	39	ug/Kg
Acenaphthene	< 39	U	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	840	66	ug/Kg
4-Nitrophenol	< 37	U	840	37	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 37	U	330	37	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	< 37	U	330	37	ug/Kg
4-Nitroaniline	< 80	U	840	80	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	840	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 37	U	330	37	ug/Kg
Pentachlorophenol	< 63	U	840	63	ug/Kg
Phenanthrene	340		330	33	ug/Kg
Anthracene	100	J	330	43	ug/Kg
Carbazole	52	J	330	14	ug/Kg
Di-n-butylphthalate	130	J	330	39	ug/Kg
Fluoranthene	620		330	33	ug/Kg
Pyrene	650		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	380		330	33	ug/Kg
Chrysene	400		330	53	ug/Kg
bis(2-Ethylhexyl)phthalate	170	J	330	33	ug/Kg
Di-n-octyl phthalate	< 50	U	330	50	ug/Kg
Benzo(b)fluoranthene	490		330	33	ug/Kg
Benzo(k)fluoranthene	240	J	330	86	ug/Kg
Benzo(a)pyrene	330	J	330	50	ug/Kg
Indeno(1,2,3-cd)pyrene	130	J	330	53	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09RE

Client ID: BS-50-4RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001746.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.7

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	140	J	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	132.2	44 %	25 - 121		SPK: 300
Phenol-d5	140.19	47 %	24 - 113		SPK: 300
Nitrobenzene-d5	105.95	53 %	23 - 120		SPK: 200
Fluorobiphenyl	111.18	56 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	158.2	53 %	19 - 122		SPK: 300
Terphenyl-d14	118.64	59 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	61965	8.20			
Naphthalene-d8	219950	10.45			
Acenaphthene-d10	119454	13.73			
Phenanthrene-d10	189429	16.53			
Chrysene-d12	160602	21.60			
Perylene-d12	120935	25.49			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002141.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 33	U	330	33	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 75	U	330	75	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 120	U	330	120	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	830	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
2-Chloroaniline	< 33	U	830	33	ug/Kg
1,2-Dimethylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002141.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	830	39	ug/Kg
Acenaphthene	80	J	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	830	66	ug/Kg
4-Nitrophenol	< 36	U	830	36	ug/Kg
Dibenzofuran	34	J	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	97	J	330	36	ug/Kg
4-Nitroaniline	< 79	U	830	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	830	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 62	U	830	62	ug/Kg
Phenanthrene	740		330	33	ug/Kg
Anthracene	180	J	330	43	ug/Kg
Carbazole	73	J	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	1300		330	33	ug/Kg
Pyrene	1900		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	710		330	33	ug/Kg
Chrysene	520		330	52	ug/Kg
bis(2-Ethylhexyl)phthalate	51	J	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Fluoro(b)fluoranthene	990		330	33	ug/Kg
Fluoro(k)fluoranthene	320	J	330	85	ug/Kg
Benzo(a)pyrene	580		330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 52	U	330	52	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002141.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	195.72	65 %	25 - 121		SPK: 300
Phenol-d5	176.17	59 %	24 - 113		SPK: 300
Nitrobenzene-d5	124.55	62 %	23 - 120		SPK: 200
Fluorobiphenyl	136.18	68 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	199.18	66 %	19 - 122		SPK: 300
Terphenyl-d14	526.33	263 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	114078	4.64
Naphthalene-d8	479388	7.08
Acenaphthene-d10	245167	10.92
Phenanthrene-d10	436955	14.25
Chrysene-d12	281948	20.30
Perylene-d12	83129	23.36

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	370	J	1.86	ug/L
ACP	510	J	2.12	ug/L
ACP	8700	JB	2.45	ug/L
Unknown	250	J	2.93	ug/L
ACP	720	J	3.34	ug/L
Pentanoic acid, 3-methyl-	96	J	4.76	ug/L
Pentanoic acid	280	J	4.80	ug/L
4H-Cyclopenta[def]phenanthrene	260	J	15.63	ug/L
Phenanthrene, 2-methyl-	180	J	15.65	ug/L
Biphenyl Phthalate	140	J	15.89	ug/L
Hexadecanoic acid	590	J	15.97	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10RE

Client ID: BS-54-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001748.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dimethylphenol	< 33	U	330	33	ug/Kg
2,2'-oxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 75	U	330	75	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	55	J	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 120	U	330	120	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	830	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 33	U	830	33	ug/Kg
2,4-Dimethylphenol	< 33	U	330	33	ug/Kg
Acenaphthylene	51	J	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10RE

Client ID: BS-54-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001748.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 39	U	830	39	ug/Kg
Acenaphthene	120	J	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	830	66	ug/Kg
4-Nitrophenol	< 36	U	830	36	ug/Kg
Dibenzofuran	58	J	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	140	J	330	36	ug/Kg
4-Nitroaniline	< 79	U	830	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	830	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 62	U	830	62	ug/Kg
Phenanthrene	810		330	33	ug/Kg
Anthracene	280	J	330	43	ug/Kg
Carbazole	110	J	330	13	ug/Kg
Di-n-butylphthalate	50	J	330	39	ug/Kg
Fluoranthene	1200		330	33	ug/Kg
Pyrene	1300		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	790		330	33	ug/Kg
Chrysene	820		330	52	ug/Kg
bis(2-Ethylhexyl)phthalate	160	J	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	900		330	33	ug/Kg
Benzo(k)fluoranthene	460		330	85	ug/Kg
Benzo(a)pyrene	670		330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	240	J	330	52	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10RE

Client ID: BS-54-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001748.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	52	J	330	50	ug/Kg
Benzo(g,h,i)perylene	240	J	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	128.56	43 %	25 - 121		SPK: 300
Phenol-d5	136.65	46 %	24 - 113		SPK: 300
Nitrobenzene-d5	106.14	53 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	114.69	57 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	168.5	56 %	19 - 122		SPK: 300
Terphenyl-d14	127.74	64 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	63147	8.21			
Naphthalene-d8	213089	10.45			
Acenaphthene-d10	118397	13.73			
Phenanthrene-d10	195425	16.54			
Chrysene-d12	158857	21.61			
Perylene-d12	120992	25.51			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002147.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 33	U	330	33	ug/Kg
1,2-Dichloroethane	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 76	U	330	76	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	49	J	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	53	J	330	39	ug/Kg
Hexachlorocyclopentadiene	< 130	U	330	130	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	830	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 33	U	830	33	ug/Kg
2-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002147.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	830	39	ug/Kg
Acenaphthene	160	J	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	830	66	ug/Kg
4-Nitrophenol	< 36	U	830	36	ug/Kg
Dibenzofuran	86	J	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
4-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	200	J	330	36	ug/Kg
4-Nitroaniline	< 79	U	830	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	830	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 63	U	830	63	ug/Kg
Phenanthrene	1400		330	33	ug/Kg
Anthracene	370		330	43	ug/Kg
Carbazole	120	J	330	13	ug/Kg
Di-n-butylphthalate	120	J	330	39	ug/Kg
Fluoranthene	1600		330	33	ug/Kg
Pyrene	2600		330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	790		330	33	ug/Kg
Chrysene	460		330	53	ug/Kg
bis(2-Ethylhexyl)phthalate	310	J	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	1600		330	33	ug/Kg
Benzo(k)fluoranthene	320	J	330	86	ug/Kg
Benzo(a)pyrene	640		330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 53	U	330	53	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002147.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg

SURROGATES

2-Fluorophenol	168.63	56 %	25 - 121	SPK: 300
Phenol-d5	181.17	60 %	24 - 113	SPK: 300
Nitrobenzene-d5	127.78	64 %	23 - 120	SPK: 200
Fluorobiphenyl	131.18	66 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	181.52	61 %	19 - 122	SPK: 300
Terphenyl-d14	664.34	332 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	124998	4.63
Naphthalene-d8	514729	7.08
Acenaphthene-d10	261838	10.92
Phenanthrene-d10	445828	14.25
Chrysene-d12	210854	20.31
Perylene-d12	19454	23.35

TENTATIVE IDENTIFIED COMPOUNDS

ACP	750	J	2.13	ug/L
ACP	13000	JB	2.45	ug/L
ACP	1100	J	3.34	ug/L
4H-Cyclopenta[def]phenanthrene	100	J	15.63	ug/L
Hexadecanoic acid	91	J	15.98	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11RE

Client ID: BS-58-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001745.D

Dilution: 2

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 66	U	660	66	ug/Kg
bis(2-Chloroethyl)ether	< 78	U	660	78	ug/Kg
2-Chlorophenol	< 72	U	660	72	ug/Kg
1,2-Dichlorobenzene	< 66	U	660	66	ug/Kg
1,3-Dichlorobenzene	< 78	U	660	78	ug/Kg
1,4-Dichlorobenzene	< 66	U	660	66	ug/Kg
2,4-Dichlorophenol	< 66	U	660	66	ug/Kg
2,6-Dichlorophenol	< 66	U	660	66	ug/Kg
2,4-Dichloroxybis(1-chloropropane)	< 66	U	660	66	ug/Kg
3+4-Methylphenols	< 120	U	660	120	ug/Kg
N-Nitroso-di-n-propylamine	< 66	U	660	66	ug/Kg
Hexachloroethane	< 72	U	660	72	ug/Kg
Nitrobenzene	< 66	U	660	66	ug/Kg
Isophorone	< 66	U	660	66	ug/Kg
2-Nitrophenol	< 72	U	660	72	ug/Kg
2,4-Dimethylphenol	< 150	U	660	150	ug/Kg
bis(2-Chloroethoxy)methane	< 66	U	660	66	ug/Kg
2,4-Dichlorophenol	< 86	U	660	86	ug/Kg
1,2,4-Trichlorobenzene	< 78	U	660	78	ug/Kg
Naphthalene	< 78	U	660	78	ug/Kg
4-Chloroaniline	< 78	U	660	78	ug/Kg
Hexachlorobutadiene	< 99	U	660	99	ug/Kg
4-Chloro-3-methylphenol	< 72	U	660	72	ug/Kg
2-Methylnaphthalene	83	J	660	78	ug/Kg
Hexachlorocyclopentadiene	< 250	U	660	250	ug/Kg
2,4,6-Trichlorophenol	< 66	U	660	66	ug/Kg
2,4,5-Trichlorophenol	< 66	U	1700	66	ug/Kg
2-Chloronaphthalene	< 78	U	660	78	ug/Kg
2-Nitroaniline	< 66	U	1700	66	ug/Kg
2-Methylnaphthalate	< 66	U	660	66	ug/Kg
Acenaphthylene	< 78	U	660	78	ug/Kg
2,6-Dinitrotoluene	< 66	U	660	66	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11RE

Client ID: BS-58-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001745.D

Dilution: 2

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 78	U	1700	78	ug/Kg
Acenaphthene	220	J	660	78	ug/Kg
2,4-Dinitrophenol	< 130	U	1700	130	ug/Kg
4-Nitrophenol	< 72	U	1700	72	ug/Kg
Dibenzofuran	140	J	660	66	ug/Kg
2,4-Dinitrotoluene	< 72	U	660	72	ug/Kg
Diethylphthalate	< 66	U	660	66	ug/Kg
4-Chlorophenyl-phenylether	< 78	U	660	78	ug/Kg
Fluorene	280	J	660	72	ug/Kg
4-Nitroaniline	< 160	U	1700	160	ug/Kg
4,6-Dinitro-2-methylphenol	< 78	U	1700	78	ug/Kg
N-Nitrosodiphenylamine	< 130	U	660	130	ug/Kg
4-Bromophenyl-phenylether	< 86	U	660	86	ug/Kg
Hexachlorobenzene	< 72	U	660	72	ug/Kg
Pentachlorophenol	< 130	U	1700	130	ug/Kg
Phenanthrene	1500		660	66	ug/Kg
Anthracene	520	J	660	86	ug/Kg
Carbazole	170	J	660	27	ug/Kg
Di-n-butylphthalate	220	J	660	78	ug/Kg
Fluoranthene	1800		660	66	ug/Kg
Pyrene	1600		660	66	ug/Kg
Butylbenzylphthalate	< 66	U	660	66	ug/Kg
3,3'-Dichlorobenzidine	< 66	U	660	66	ug/Kg
Benzo(a)anthracene	920		660	66	ug/Kg
Chrysene	950		660	110	ug/Kg
bis(2-Ethylhexyl)phthalate	690		660	66	ug/Kg
Di-n-octyl phthalate	< 99	U	660	99	ug/Kg
Fluoranthene	860		660	66	ug/Kg
Benzo(k)fluoranthene	670		660	170	ug/Kg
Benzo(a)pyrene	730		660	99	ug/Kg
Indeno(1,2,3-cd)pyrene	270	J	660	110	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11RE

Client ID: BS-58-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001745.D

Dilution: 2

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 32.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 99	U	660	99	ug/Kg
Benzo(g,h,i)perylene	270	J	660	86	ug/Kg
SURROGATES					
2-Fluorophenol	82.35	55 %	25 - 121		SPK: 300
Phenol-d5	90.88	61 %	24 - 113		SPK: 300
Nitrobenzene-d5	62.17	62 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	69.03	69 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	86.59	58 %	19 - 122		SPK: 300
Terphenyl-d14	74.18	74 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	63878	8.21			
Naphthalene-d8	225111	10.45			
Acenaphthene-d10	120856	13.73			
Phenanthrene-d10	198886	16.54			
Chrysene-d12	173215	21.60			
Perylene-d12	134706	25.50			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002151.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 42	U	350	42	ug/Kg
2-Chlorophenol	< 39	U	350	39	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 42	U	350	42	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
1-Ethylphenol	< 35	U	350	35	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 64	U	350	64	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 39	U	350	39	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 39	U	350	39	ug/Kg
2,4-Dimethylphenol	< 81	U	350	81	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 46	U	350	46	ug/Kg
1,2,4-Trichlorobenzene	< 42	U	350	42	ug/Kg
Naphthalene	99	J	350	42	ug/Kg
4-Chloroaniline	< 42	U	350	42	ug/Kg
Hexachlorobutadiene	< 53	U	350	53	ug/Kg
4-Chloro-3-methylphenol	< 39	U	350	39	ug/Kg
2-Methylnaphthalene	47	J	350	42	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	890	35	ug/Kg
2-Chloronaphthalene	< 42	U	350	42	ug/Kg
2-Nitroaniline	< 35	U	890	35	ug/Kg
1,2-Dichlorophthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	64	J	350	42	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002151.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 42	U	890	42	ug/Kg
Acenaphthene	410		350	42	ug/Kg
2,4-Dinitrophenol	< 71	U	890	71	ug/Kg
4-Nitrophenol	< 39	U	890	39	ug/Kg
Dibenzofuran	150	J	350	35	ug/Kg
2,4-Dinitrotoluene	< 39	U	350	39	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 42	U	350	42	ug/Kg
Fluorene	350	J	350	39	ug/Kg
4-Nitroaniline	< 85	U	890	85	ug/Kg
4,6-Dinitro-2-methylphenol	< 42	U	890	42	ug/Kg
N-Nitrosodiphenylamine	< 71	U	350	71	ug/Kg
4-Bromophenyl-phenylether	< 46	U	350	46	ug/Kg
Hexachlorobenzene	< 39	U	350	39	ug/Kg
Pentachlorophenol	< 67	U	890	67	ug/Kg
Phenanthrene	3500 3500	E	350	35	ug/Kg
Anthracene	970		350	46	ug/Kg
Carbazole	520		350	14	ug/Kg
Di-n-butylphthalate	< 42	U	350	42	ug/Kg
Fluoranthene	6100 6000	E	350	35	ug/Kg
Pyrene	10000 1300	E	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	3800 3700	E	350	35	ug/Kg
Chrysene	3100 2300	E	350	57	ug/Kg
bis(2-Ethylhexyl)phthalate	64	J	350	35	ug/Kg
Di-n-octyl phthalate	< 53	U	350	53	ug/Kg
Benzo(b)fluoranthene	31000 3900	E	350	35	ug/Kg
Benzo(k)fluoranthene	14000 1600	E	350	92	ug/Kg
Benzo(a)pyrene	18000 1200	E	350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 57	U R	350	57	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002151.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 53	U R	350	53	ug/Kg
Benzo(g,h,i)perylene	300	J J	350	46	ug/Kg
SURROGATES					
2-Fluorophenol	179.92	60 %	25 - 121		SPK: 300
Phenol-d5	168.5	56 %	24 - 113		SPK: 300
Nitrobenzene-d5	119.45	60 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	120.27	60 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	191.78	64 %	19 - 122		SPK: 300
Terphenyl-d14	466.08	233 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	127303	4.65			
Naphthalene-d8	521773	7.09			
Acenaphthene-d10	263221	10.92			
Phenanthrene-d10	466298	14.25			
Chrysene-d12	255705	20.33			
Perylene-d12	7401	23.36			
TENTATIVE IDENTIFIED COMPOUNDS					
ACP	670	J	2.13		ug/L
ACP	11000	JB	2.47		ug/L
ACP	1000	J	3.33		ug/L
Unknown	160	J	15.64		ug/L
Unknown	72	J	15.90		ug/L
Hexadecanoic acid	160	J	16.01		ug/L
11H-Benzo[a]fluorene	160	J	18.33		ug/L
Pyrene, 4-methyl-	88	J	18.54		ug/L
3,4-Dihydrocyclopenta(cd)pyrene (	110	J	20.54		ug/L

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12DL

Client ID: BS-30-4DUPDL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002156.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 350	U	3500	350	ug/Kg
bis(2-Chloroethyl)ether	< 420	U	3500	420	ug/Kg
2-Chlorophenol	< 390	U	3500	390	ug/Kg
1,2-Dichlorobenzene	< 350	U	3500	350	ug/Kg
1,3-Dichlorobenzene	< 420	U	3500	420	ug/Kg
1,4-Dichlorobenzene	< 350	U	3500	350	ug/Kg
2,4-Dichlorophenol	< 350	U	3500	350	ug/Kg
2,2'-oxybis(1-chloropropane)	< 350	U	3500	350	ug/Kg
3+4-Methylphenols	< 640	U	3500	640	ug/Kg
N-Nitroso-di-n-propylamine	< 350	U	3500	350	ug/Kg
Hexachloroethane	< 390	U	3500	390	ug/Kg
Nitrobenzene	< 350	U	3500	350	ug/Kg
Isophorone	< 350	U	3500	350	ug/Kg
2-Nitrophenol	< 390	U	3500	390	ug/Kg
2,4-Dimethylphenol	< 810	U	3500	810	ug/Kg
bis(2-Chloroethoxy)methane	< 350	U	3500	350	ug/Kg
2,4-Dichlorophenol	< 460	U	3500	460	ug/Kg
1,2,4-Trichlorobenzene	< 420	U	3500	420	ug/Kg
Naphthalene	< 420	U	3500	420	ug/Kg
4-Chloroaniline	< 420	U	3500	420	ug/Kg
Hexachlorobutadiene	< 530	U	3500	530	ug/Kg
4-Chloro-3-methylphenol	< 390	U	3500	390	ug/Kg
2-Methylnaphthalene	< 420	U	3500	420	ug/Kg
Hexachlorocyclopentadiene	< 1300	U	3500	1300	ug/Kg
2,4,6-Trichlorophenol	< 350	U	3500	350	ug/Kg
2,4,5-Trichlorophenol	< 350	U	8900	350	ug/Kg
2-Chloronaphthalene	< 420	U	3500	420	ug/Kg
2-Chloroaniline	< 350	U	8900	350	ug/Kg
Dimethylphthalate	< 350	U	3500	350	ug/Kg
Acenaphthylene	< 420	U	3500	420	ug/Kg
2,6-Dinitrotoluene	< 350	U	3500	350	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID:	<u>P3075-12DL</u>	Client ID:	<u>BS-30-4DUPDL</u>
Date Collected:	<u>6/20/02</u>	Date Received:	<u>6/20/02</u>
Date Analyzed:	<u>6/26/02</u>	Matrix:	<u>SOIL</u>
Date Extracted:	<u>6/25/02</u>	File ID:	<u>BB002156.D</u>
Dilution:	<u>10</u>	Instrument ID:	<u>5971B</u>
Analytical Method:	<u>8270</u>	Analytical Run ID:	<u>3</u>
Sample Wt/Wol:	<u>31.1</u>	Extract Vol:	<u>1000</u>
Injection Vol:	<u>2</u>	% Moisture:	<u>10</u>
Associated Blank:	<u>PB062502-12B</u>		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 420	U	8900	420	ug/Kg
Acenaphthene	< 420	U	3500	420	ug/Kg
2,4-Dinitrophenol	< 710	U	8900	710	ug/Kg
4-Nitrophenol	< 390	U	8900	390	ug/Kg
Dibenzofuran	< 350	U	3500	350	ug/Kg
2,4-Dinitrotoluene	< 390	U	3500	390	ug/Kg
Diethylphthalate	< 350	U	3500	350	ug/Kg
4-Chlorophenyl-phenylether	< 420	U	3500	420	ug/Kg
Fluorene	< 390	U	3500	390	ug/Kg
4-Nitroaniline	< 850	U	8900	850	ug/Kg
4,6-Dinitro-2-methylphenol	< 420	U	8900	420	ug/Kg
N-Nitrosodiphenylamine	< 710	U	3500	710	ug/Kg
4-Bromophenyl-phenylether	< 460	U	3500	460	ug/Kg
Hexachlorobenzene	< 390	U	3500	390	ug/Kg
Pentachlorophenol	< 670	U	8900	670	ug/Kg
Phenanthrene	3500	JD	3500	350	ug/Kg
Anthracene	810	JD	3500	460	ug/Kg
Carbazole	490	JD	3500	140	ug/Kg
Di-n-butylphthalate	< 420	U	3500	420	ug/Kg
Fluoranthene	6800	D	3500	350	ug/Kg
Pyrene	7300	D	3500	350	ug/Kg
Butylbenzylphthalate	< 350	U	3500	350	ug/Kg
3,3'-Dichlorobenzidine	< 350	U	3500	350	ug/Kg
Benzo(a)anthracene	3700	D	3500	350	ug/Kg
Chrysene	2300	JD	3500	570	ug/Kg
bis(2-Ethylhexyl)phthalate	< 350	U	3500	350	ug/Kg
Di-n-octyl phthalate	< 530	U	3500	530	ug/Kg
Benzo(b)fluoranthene	3900	D	3500	350	ug/Kg
Benzo(k)fluoranthene	1600	JD	3500	920	ug/Kg
Benzo(a)pyrene	2200	JD	3500	530	ug/Kg
Indeno(1,2,3-cd)pyrene	< 570	U	3500	570	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12DL

Client ID:

BS-30-4DUPDL

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix:

SOIL

Date Extracted: 6/25/02

File ID:

BB002156.D

Dilution: 10

Instrument ID:

5971B

Analytical Method: 8270

Analytical Run ID:

3

Sample Wt/Wol: 31.1

Extract Vol:

1000

Injection Vol: 2

% Moisture:

10

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 530	U	3500	530	ug/Kg
Benzo(g,h,i)perylene	< 460	U	3500	460	ug/Kg

SURROGATES

2-Fluorophenol	193.6	65 %	25 - 121	SPK: 300
Phenol-d5	198.2	64 %	24 - 113	SPK: 300
benzene-d5	123	62 %	23 - 120	SPK: 200
2-Fluorobiphenyl	121.9	61 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	174.2	58 %	19 - 122	SPK: 300
Terphenyl-d14	266.1	133 %	18 - 137	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	107701	4.60
Naphthalene-d8	455544	7.05
Acenaphthene-d10	243176	10.88
Phenanthrene-d10	449175	14.20
Chrysene-d12	362040	20.24
Perylene-d12	111783	23.28

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002144.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 38	U	340	38	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
2,4-Dimethylphenol	< 34	U	340	34	ug/Kg
2,2'-oxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 38	U	340	38	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 38	U	340	38	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 38	U	340	38	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
4-Nitroaniline	< 34	U	860	34	ug/Kg
2-Methylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002144.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 38	U	860	38	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 38	U	340	38	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 38	U	340	38	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 38	U	340	38	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	110	J	340	34	ug/Kg
Anthracene	< 44	U	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	210	J	340	34	ug/Kg
Pyrene	270	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	93	J	340	34	ug/Kg
Chrysene	80	J	340	55	ug/Kg
bis(2-Ethylhexyl)phthalate	220	J	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Pero(b)fluoranthene	130	J	340	34	ug/Kg
Benzo(k)fluoranthene	< 89	U	340	89	ug/Kg
Benzo(a)pyrene	60	J	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	340	55	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002144.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	< 44	U	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	163.72	55 %	25 - 121		SPK: 300
Phenol-d5	182.45	61 %	24 - 113		SPK: 300
Nitrobenzene-d5	128.13	64 %	23 - 120		SPK: 200
Fluorobiphenyl	122.09	61 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	197.44	66 %	19 - 122		SPK: 300
Terphenyl-d14	466.86	233 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	130429	4.64
Naphthalene-d8	550115	7.09
Acenaphthene-d10	298109	10.93
Phenanthrene-d10	518924	14.25
Chrysene-d12	317574	20.31
Perylene-d12	118559	23.37

TENTATIVE IDENTIFIED COMPOUNDS

ACP	550	J	2.11	ug/L
ACP	8500	JB	2.45	ug/L
ACP	870	J	3.34	ug/L
Hexadecane, 3-methyl-	520	J	10.54	ug/L
Decane, 3,8-dimethyl-	660	J	10.70	ug/L
Heptadecane, 2,6,10,15-tetramethyl	540	J	11.09	ug/L
Decane, 5-ethyl-5-methyl-	600	J	11.26	ug/L
Dodecane, 2,7,10-trimethyl-	810	J	11.42	ug/L
Decane, 5-propyl-	490	J	12.48	ug/L
Decane, 6-ethyl-	540	J	12.63	ug/L
Pentane, 3,3-dimethyl-	810	J	12.69	ug/L
Undecane, 3-methyl-	630	J	12.94	ug/L
Tetradecanoic acid	670	J	15.98	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002144.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Eicosane	500	J	22.01		ug/L
Dodecane	990	J	22.19		ug/L
Unknown	930	J	22.84		ug/L
Octadecane, 1-bromo-	1200	J	23.14		ug/L
Cyclohexane, 1,1-dimethyl-2,4-bis(	840	J	24.26		ug/L
Pentatriacontane	600	J	24.37		ug/L
Triacontane	520	J	24.97		ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15RE

Client ID: BS-134-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001764.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 38	U	340	38	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
2,4-Dimethylphenol	< 34	U	340	34	ug/Kg
2,6-Dimethylphenol	< 34	U	340	34	ug/Kg
2-Methoxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 38	U	340	38	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 38	U	340	38	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 38	U	340	38	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
2-Nitroaniline	< 34	U	860	34	ug/Kg
1-Methylnaphthalene	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15RE

Client ID: BS-134-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001764.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	< 40	U	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 38	U	860	38	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 38	U	340	38	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
4-Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	< 38	U	340	38	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 38	U	340	38	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	150	J	340	34	ug/Kg
Anthracene	54	J	340	44	ug/Kg
Carbazole	< 14	U	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	280	J	340	34	ug/Kg
Pyrene	240	J	340	34	ug/Kg
Butylbenzylphthalate	< 34	U	340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	120	J	340	34	ug/Kg
Chrysene	150	J	340	55	ug/Kg
bis(2-Ethylhexyl)phthalate	340		340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Benzo(b)fluoranthene	130	J	340	34	ug/Kg
Benzo(k)fluoranthene	95	J	340	89	ug/Kg
Benzo(a)pyrene	120	J	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	58	J	340	55	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15RE

Client ID: BS-134-8RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001764.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.9

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	58	J	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	134.16	45 %	25 - 121		SPK: 300
Phenol-d5	128.29	43 %	24 - 113		SPK: 300
Nitrobenzene-d5	110.68	55 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	126.67	63 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	237.53	79 %	19 - 122		SPK: 300
Terphenyl-d14	120.17	60 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	76865	8.18			
Naphthalene-d8	248675	10.42			
Acenaphthene-d10	111502	13.71			
Phenanthrene-d10	218154	16.52			
Chrysene-d12	192496	21.60			
Perylene-d12	169247	25.53			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/25/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002140.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
4-Ethylphenol	< 33	U	330	33	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 76	U	330	76	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 130	U	330	130	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	830	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
4-Nitroaniline	< 33	U	830	33	ug/Kg
2-Methylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/25/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002140.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	830	39	ug/Kg
Acenaphthene	< 39	U	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	830	66	ug/Kg
4-Nitrophenol	< 36	U	830	36	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
n-Butylphthalate	< 33	U	330	33	ug/Kg
p-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	< 36	U	330	36	ug/Kg
4-Nitroaniline	< 79	U	830	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	830	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 63	U	830	63	ug/Kg
Phenanthrene	< 33	U	330	33	ug/Kg
Anthracene	< 43	U	330	43	ug/Kg
Carbazole	< 13	U	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	35	J	330	33	ug/Kg
Pyrene	67	J	330	33	ug/Kg
Butylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	< 33	U	330	33	ug/Kg
Chrysene	< 53	U	330	53	ug/Kg
bis(2-Ethylhexyl)phthalate	< 33	U	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	< 33	U	330	33	ug/Kg
Benzo(k)fluoranthene	< 86	U	330	86	ug/Kg
Benzo(a)pyrene	< 49	U	330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 53	U	330	53	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/25/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BB002140.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	172.67	58 %	25 - 121		SPK: 300
Phenol-d5	160.94	54 %	24 - 113		SPK: 300
Nitrobenzene-d5	114.56	57 %	23 - 120		SPK: 200
1,2-Dichlorobiphenyl	123.62	62 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	203.73	68 %	19 - 122		SPK: 300
Terphenyl-d14	736.1	368 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	105887	4.64
Naphthalene-d8	416650	7.08
Acenaphthene-d10	224917	10.92
Phenanthrene-d10	405977	14.24
Chrysene-d12	171797	20.29
Perylene-d12	46836	23.33

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	260	J	1.86	ug/L
ACP	470	J	2.11	ug/L
ACP	7400	JB	2.43	ug/L
Phenol, 2-fluoro-	250	J	2.92	ug/L
S-(-)-2-Methylbutylamine	720	J	3.32	ug/L
Pentanoic acid	130	J	4.76	ug/L
Hexadecanoic acid	780	J	15.96	ug/L
2,6,10-Dodecatrien-1-ol, 3,7,11-trir	670	J	22.56	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16RE

Client ID: BS-138-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001744.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 33	U	330	33	ug/Kg
bis(2-Chloroethyl)ether	< 39	U	330	39	ug/Kg
2-Chlorophenol	< 36	U	330	36	ug/Kg
1,2-Dichlorobenzene	< 33	U	330	33	ug/Kg
1,3-Dichlorobenzene	< 39	U	330	39	ug/Kg
1,4-Dichlorobenzene	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 33	U	330	33	ug/Kg
2,2-Dichloro-1-methoxybis(1-chloropropane)	< 33	U	330	33	ug/Kg
3+4-Methylphenols	< 59	U	330	59	ug/Kg
N-Nitroso-di-n-propylamine	< 33	U	330	33	ug/Kg
Hexachloroethane	< 36	U	330	36	ug/Kg
Nitrobenzene	< 33	U	330	33	ug/Kg
Isophorone	< 33	U	330	33	ug/Kg
2-Nitrophenol	< 36	U	330	36	ug/Kg
2,4-Dimethylphenol	< 76	U	330	76	ug/Kg
bis(2-Chloroethoxy)methane	< 33	U	330	33	ug/Kg
2,4-Dichlorophenol	< 43	U	330	43	ug/Kg
1,2,4-Trichlorobenzene	< 39	U	330	39	ug/Kg
Naphthalene	< 39	U	330	39	ug/Kg
4-Chloroaniline	< 39	U	330	39	ug/Kg
Hexachlorobutadiene	< 49	U	330	49	ug/Kg
4-Chloro-3-methylphenol	< 36	U	330	36	ug/Kg
2-Methylnaphthalene	< 39	U	330	39	ug/Kg
Hexachlorocyclopentadiene	< 130	U	330	130	ug/Kg
2,4,6-Trichlorophenol	< 33	U	330	33	ug/Kg
2,4,5-Trichlorophenol	< 33	U	830	33	ug/Kg
2-Chloronaphthalene	< 39	U	330	39	ug/Kg
2-Nitroaniline	< 33	U	830	33	ug/Kg
1,2-Dimethylphthalate	< 33	U	330	33	ug/Kg
Acenaphthylene	< 39	U	330	39	ug/Kg
2,6-Dinitrotoluene	< 33	U	330	33	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16RE

Client ID: BS-138-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001744.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 39	U	830	39	ug/Kg
Acenaphthene	< 39	U	330	39	ug/Kg
2,4-Dinitrophenol	< 66	U	830	66	ug/Kg
4-Nitrophenol	< 36	U	830	36	ug/Kg
Dibenzofuran	< 33	U	330	33	ug/Kg
2,4-Dinitrotoluene	< 36	U	330	36	ug/Kg
Diethylphthalate	< 33	U	330	33	ug/Kg
2-Chlorophenyl-phenylether	< 39	U	330	39	ug/Kg
Fluorene	< 36	U	330	36	ug/Kg
4-Nitroaniline	< 79	U	830	79	ug/Kg
4,6-Dinitro-2-methylphenol	< 39	U	830	39	ug/Kg
N-Nitrosodiphenylamine	< 66	U	330	66	ug/Kg
4-Bromophenyl-phenylether	< 43	U	330	43	ug/Kg
Hexachlorobenzene	< 36	U	330	36	ug/Kg
Pentachlorophenol	< 63	U	830	63	ug/Kg
Phenanthrene	38	J	330	33	ug/Kg
Anthracene	< 43	U	330	43	ug/Kg
Carbazole	< 13	U	330	13	ug/Kg
Di-n-butylphthalate	< 39	U	330	39	ug/Kg
Fluoranthene	75	J	330	33	ug/Kg
Pyrene	71	J	330	33	ug/Kg
Burylbenzylphthalate	< 33	U	330	33	ug/Kg
3,3'-Dichlorobenzidine	< 33	U	330	33	ug/Kg
Benzo(a)anthracene	41	J	330	33	ug/Kg
Chrysene	< 53	U	330	53	ug/Kg
bis(2-Ethylhexyl)phthalate	90	J	330	33	ug/Kg
Di-n-octyl phthalate	< 49	U	330	49	ug/Kg
Benzo(b)fluoranthene	65	J	330	33	ug/Kg
Benzo(k)fluoranthene	< 86	U	330	86	ug/Kg
Benzo(a)pyrene	< 49	U	330	49	ug/Kg
Indeno(1,2,3-cd)pyrene	< 53	U	330	53	ug/Kg

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16RE

Client ID: BS-138-12RE

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 7/5/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: BC001744.D

Dilution: 1

Instrument ID: 5971C

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 31.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 4

Associated Blank: PB062502-12B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 50	U	330	50	ug/Kg
Benzo(g,h,i)perylene	< 43	U	330	43	ug/Kg
SURROGATES					
2-Fluorophenol	117.23	39 %	25 - 121		SPK: 300
Phenol-d5	129.2	43 %	24 - 113		SPK: 300
Nitrobenzene-d5	98.54	49 %	23 - 120		SPK: 200
Fluorobiphenyl	105.79	53 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	153.98	51 %	19 - 122		SPK: 300
Terphenyl-d14	119.07	60 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	61398	8.21			
Naphthalene-d8	203547	10.45			
Acenaphthene-d10	114570	13.73			
Phenanthrene-d10	187659	16.54			
Chrysene-d12	160625	21.59			
Perylene-d12	110885	25.50			

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: WATER

Date Extracted: 6/25/02

File ID: BA001161.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 1000.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB062502-13B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 1.0	U	10	1.0	ug/L
bis(2-Chloroethyl)ether	< 1.2	U	10	1.2	ug/L
2-Chlorophenol	< 1.1	U	10	1.1	ug/L
1,2-Dichlorobenzene	< 1.0	U	10	1.0	ug/L
1,3-Dichlorobenzene	< 1.2	U	10	1.2	ug/L
1,4-Dichlorobenzene	< 1.0	U	10	1.0	ug/L
4-Ethylphenol	< 1.0	U	10	1.0	ug/L
1,2-Dichloroethoxybis(1-chloropropane)	< 1.0	U	10	1.0	ug/L
3+4-Methylphenols	< 1.8	U	10	1.8	ug/L
N-Nitroso-di-n-propylamine	< 1.0	U	10	1.0	ug/L
Hexachloroethane	< 1.1	U	10	1.1	ug/L
Nitrobenzene	< 1.0	U	10	1.0	ug/L
Isophorone	< 1.0	U	10	1.0	ug/L
2-Nitrophenol	< 1.1	U	10	1.1	ug/L
2,4-Dimethylphenol	< 2.3	U	10	2.3	ug/L
bis(2-Chloroethoxy)methane	< 1.0	U	10	1.0	ug/L
2,4-Dichlorophenol	< 1.3	U	10	1.3	ug/L
1,2,4-Trichlorobenzene	< 1.2	U	10	1.2	ug/L
Naphthalene	< 1.2	U	10	1.2	ug/L
4-Chloroaniline	< 1.2	U	10	1.2	ug/L
Hexachlorobutadiene	< 1.5	U	10	1.5	ug/L
4-Chloro-3-methylphenol	< 1.1	U	10	1.1	ug/L
2-Methylnaphthalene	< 1.2	U	10	1.2	ug/L
Hexachlorocyclopentadiene	< 3.8	U	10	3.8	ug/L
2,4,6-Trichlorophenol	< 1.0	U	10	1.0	ug/L
2,4,5-Trichlorophenol	< 1.0	U	10	1.0	ug/L
2-Chloronaphthalene	< 1.2	U	10	1.2	ug/L
2-Nitroaniline	< 1.0	U	10	1.0	ug/L
1,2-Dichlorophthalate	< 1.0	U	10	1.0	ug/L
Acenaphthylene	< 1.2	U	10	1.2	ug/L
2,6-Dinitrotoluene	< 1.0	U	10	1.0	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: WATER

Date Extracted: 6/25/02

File ID: BA001161.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 1000.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB062502-13B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 1.2	U	10	1.2	ug/L
Acenaphthene	< 1.0	U	10	1.0	ug/L
2,4-Dinitrophenol	< 2.0	U	10	2.0	ug/L
4-Nitrophenol	< 1.1	U	10	1.1	ug/L
Dibenzofuran	< 1.0	U	10	1.0	ug/L
2,4-Dinitrotoluene	< 1.1	U	10	1.1	ug/L
Diethylphthalate	< 1.0	U	10	1.0	ug/L
4-Chlorophenyl-phenylether	< 1.2	U	10	1.2	ug/L
Fluorene	< 1.1	U	10	1.1	ug/L
4-Nitroaniline	< 2.4	U	10	2.4	ug/L
4,6-Dinitro-2-methylphenol	< 1.2	U	10	1.2	ug/L
N-Nitrosodiphenylamine	< 2.0	U	10	2.0	ug/L
4-Bromophenyl-phenylether	< 1.3	U	10	1.3	ug/L
Hexachlorobenzene	< 1.1	U	10	1.1	ug/L
Pentachlorophenol	< 1.9	U	10	1.9	ug/L
Phenanthrene	< 1.0	U	10	1.0	ug/L
Anthracene	< 1.3	U	10	1.3	ug/L
Carbazole	< 0.420	U	10	0.420	ug/L
Di-n-butylphthalate	< 1.2	U	10	1.2	ug/L
Fluoranthene	< 1.0	U	10	1.0	ug/L
Pyrene	< 1.0	U	10	1.0	ug/L
Butylbenzylphthalate	< 1.0	U	10	1.0	ug/L
3,3'-Dichlorobenzidine	< 1.0	U	10	1.0	ug/L
Benzo(a)anthracene	< 1.0	U	10	1.0	ug/L
Chrysene	< 1.6	U	10	1.6	ug/L
bis(2-Ethylhexyl)phthalate	< 1.0	U	10	1.0	ug/L
Di-n-octyl phthalate	< 1.5	U	10	1.5	ug/L
Benzo(b)fluoranthene	< 1.0	U	10	1.0	ug/L
Benzo(k)fluoranthene	< 2.6	U	10	2.6	ug/L
Benzo(a)pyrene	< 1.5	U	10	1.5	ug/L
Indeno(1,2,3-cd)pyrene	< 1.6	U	10	1.6	ug/L

SVOC-TCL BNA

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: WATER

Date Extracted: 6/25/02

File ID: BA001161.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 1000.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB062502-13B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 1.5	U	10	1.5	ug/L
Benzo(g,h,i)perylene	< 1.3	U	10	1.3	ug/L

SURROGATES

2-Fluorophenol	145.46	48 %	21 - 100	SPK: 300
Phenol-d5	85.37	28 %	10 - 94	SPK: 300
Nitrobenzene-d5	170.52	85 %	35 - 114	SPK: 200
fluorobiphenyl	235.39	118 %	43 - 116	SPK: 200
2,4,6-Tribromophenol	695.82	232 %	10 - 123	SPK: 300
Terphenyl-d14	740.89	370 %	33 - 141	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	140213	6.79
Naphthalene-d8	559613	8.46
Acenaphthene-d10	370401	10.33
Phenanthrene-d10	632672	11.76
Chrysene-d12	338225	14.74
Perylene-d12	262476	17.65

TENTATIVE IDENTIFIED COMPOUNDS

ACP	14	J	4.27	ug/L

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Prepared By: Carole Collins

Laboratory Name: Chemtech

Date: August 9, 2002

Laboratory Project #: P3075

Sample (s) Taken: June 20, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-2 0'-4'	BS-5 8'-12'
	BS-2 4'-8'	BS-3 0'-4' DUP
	BS-2 8'-12'	BS-3 0'-4' MS
	BS-3 0'-4'	BS-3 0'-4' MSD
	BS-3 4'-8'	BS-13 4'-8'
	BS-3 8'-12'	BS-13 8'-12'
	BS-4 0'-4'	BS-28 8'-12'
	BS-4 4'-8'	BS-29 8'-12'
	BS-5 0'-4'	RINSE BLANK
	BS-5 4'-8'	

Analytical Parameters: TAL Metals and Mercury

The DUSR was prepared by reviewing and evaluating the analytical data per the Region II guidelines from USEPA, Revision II/January 92 Inorganics analysis and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holing times met for all matrices and analytical parameter (metals, mercury, cyanide)?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % solids greater than 50% for all soils samples?	<u>Yes</u>	No	NA
9. Were preparation log/distillation log provided for all the analytes?	<u>Yes</u>	No	NA
10. Did the preservation/distillation log include all the information about weight/volume and preparation date(s)?	<u>Yes</u>	No	NA
11. Were there raw data included for all the analytes?	<u>Yes</u>	No	NA
12. Were the instrument(s) calibrated correctly using proper standards?	<u>Yes</u>	No	NA
13. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
14. Were the initial and continuing calibration within the acceptance criteria?	<u>Yes</u>	No	NA
15. Were CRDL standard(s) run at the beginning and end of each run?	<u>Yes</u>	No	NA
16. Were percent recoveries (%R) for CRDL standard within the acceptance criteria?	<u>Yes</u>	No	NA
17. Were the calibration blanks less than CRDL?	<u>Yes</u>	No	NA
18. Were the preparation blanks free of contaminants?	<u>Yes</u>	No	NA
19. Were the field blank free of contaminants?	<u>Yes</u>	No	<u>NA</u>
20. Were ICP Interference Check Samples (ICS) analyzed at the beginning and end of each ICP run?	<u>Yes</u>	No	NA
21. Were percent recoveries (%R) for ICS within the acceptance criteria?	<u>Yes</u>	No	NA
22. Was the matrix spike (MS) analysis performed at the required frequency?	<u>Yes</u>	No	NA
23. Did the MS meet the percent recovery (%R) criteria?	<u>Yes</u>	<u>No</u>	NA
24. Was the post digestion spike sample analysis performed when required?	<u>Yes</u>	No	NA
25. Was the laboratory duplicate analysis performed at the	<u>Yes</u>	No	NA

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

- required frequency?
- | | | | |
|--|--------------------------------------|-------------------------------------|-------------------------------------|
| 26. Did the duplicate analysis meet the Relative Percent Difference (RPD) acceptance criteria? | Yes | ☒ No | NA |
| 27. Did the results for any field duplicate samples meet expected precision requirements? | ☒ Yes | No | NA |
| 28. Was the Laboratory Control Sample analysis performed for each matrix and analysis at the required frequency? | ☒ Yes | No | NA |
| 29. Did the LCS meet the percent recovery (%R) criteria? | ☒ Yes | No | NA |
| 30. Was ICP Serial Dilution analysis performed at the required frequency? | ☒ Yes | No | NA |
| 31. Did the ICP serial dilution analysis meet the percent difference (%D) criteria? | Yes | ☒ No | NA |
| 32. Was proper quantitation procedure followed for Method of Standard Addition (MSA) analysis? | Yes | No | ☒ NA |
| 33. Was coefficient of correlation greater than 0.0995 for MSA analysis? | Yes | No | ☒ NA |
| 34. Were there any analysis performed for dissolved as total analysis? | Yes | No | ☒ NA |
| 35. Was the concentration of any dissolved analyte greater than its total concentration by 10%? | Yes | No | ☒ NA |
| 36. Did the laboratory submit Instrument Detection Limit (IDL), ICP linear ranges and ICP Interelement Correction Factors? | ☒ Yes | No | NA |
| 37. Were dilutions made appropriately when required? | ☒ Yes | No | NA |
| 38. No discrepancies were noted when review of raw data (instrument printouts) was performed. | ☒ Yes | No | NA |
| 39. Were results reported in correct units and soil samples corrected for % solid? | ☒ Yes | No | NA |

If NO for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

COMMENTS:

The recoveries for the Matrix Spike and Matrix Spike Duplicate did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. The samples associated with the spike sample are flagged with "N" qualifier for:

Mercury

The Duplicate results for the following compound did not meet requirements. The samples associated with the duplicate sample are flagged with an "*" for:

Mercury

Serial Dilution did not meet QC requirements for the following metals. A chemical or physical interference effect is suspected. The samples associated with the serial dilution are flagged with an "E" qualifier for:

Potassium

The analytes are flagged with "J" qualifier.

The samples for the MS/MSD and Duplicate were field sampled. The non-homogeneous nature of the soil samples is suspect.

All other QC met requirements. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.SDG No.: P3075Method Type: SW846Sample ID: P3075-01Client ID: BS-20-4Contract: MAC Consultants, Inc.Lab Code: CHEMED

Case No.: _____

SAS No.: P3075Matrix: SOILDate Received: 6/20/02Level: LOW% Solids: 93

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4970	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.51	mg/Kg	U		P	0.51	P2	P260621
7440-38-2	Arsenic	3.8	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	31.5	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.06	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	10400	mg/Kg			P	0.71	P2	P260621
7440-47-3	Chromium	12.9	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.7	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	8.7	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	7110	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	25.2	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1370	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	90.2	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.02	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	5.3	mg/Kg			P	0.19	P2	P260621
7440-09-7	Potassium	302	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	60.5	mg/Kg	B		P	38.0	P2	P260621
7440-28-0	Thallium	0.58	mg/Kg	U		P	0.58	P2	P260621
7440-62-2	Vanadium	11.6	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	41.2	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-02

Client ID: BS-24-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6230	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	4.1	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	27.7	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.28	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	16000	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	10.9	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	9.6	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	10200	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	26.9	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1350	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	273	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg		N* 5	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.9	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	445	mg/Kg	B	E 2	P	2.2	P2	P260621
7782-49-2	Selenium	0.54	mg/Kg	B		P	0.33	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	128	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	13.2	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	29.8	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-03

Client ID: BS-28-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 90

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6440	mg/Kg			P	0.81	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	3.7	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	29.4	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.10	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	11300	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	14.1	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	10.5	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	9480	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	25.1	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1820	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	135	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.12	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	5.3	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	433	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.21	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	117	mg/Kg	B		P	39.3	P2	P260621
7440-28-0	Thallium	0.60	mg/Kg	U		P	0.60	P2	P260621
7440-62-2	Vanadium	16.1	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	36.5	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-04

Client ID: BS-30-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 89

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	8540	mg/Kg			P	0.82	P2	P260621
7440-36-0	Antimony	0.53	mg/Kg	U		P	0.53	P2	P260621
7440-38-2	Arsenic	6.0	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	41.2	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.32	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	5240	mg/Kg			P	0.74	P2	P260621
7440-47-3	Chromium	17.5	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	4.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	20.3	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	11900	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	38.4	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	1560	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	116	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.13	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	6.9	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	349	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.57	mg/Kg			P	0.34	P2	P260621
7440-22-4	Silver	0.40	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	72.3	mg/Kg	B		P	39.8	P2	P260621
7440-28-0	Thallium	0.61	mg/Kg	U		P	0.61	P2	P260621
7440-62-2	Vanadium	19.4	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	60.3	mg/Kg			P	0.12	P2	P260621

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1

Method Type: SW846

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-05

Client ID: BS-34-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 95

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3650	mg/Kg			P	0.77	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	2.4	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	31.3	mg/Kg			P	0.08	P2	P260621
7440-41-7	Beryllium	0.17	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	4400	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	11.5	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.1	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	7.2	mg/Kg			P	0.09	P2	P260621
7439-89-6	Iron	5990	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	22.1	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	789	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	93.9	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg	U	N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.4	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	256	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.14	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	88.4	mg/Kg	B		P	37.2	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	9.2	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	24.2	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-06

Client ID: BS-38-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4620	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.57	mg/Kg	B		P	0.52	P2	P260621
7440-38-2	Arsenic	3.4	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	24.2	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.24	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	17800	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	11.4	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.8	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	13.0	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	7540	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	13.9	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1190	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	125	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.06	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.4	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	281	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.22	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	72.8	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	10.8	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	22.0	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-07

Client ID: BS-40-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 90

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5360	mg/Kg			P	0.81	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	3.7	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	20.7	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.24	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	9550	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	7.9	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.7	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	7.8	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	8060	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	10.4	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1070	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	94.4	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.07	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.7	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	231	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.12	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	39.3	mg/Kg	U		P	39.3	P2	P260621
7440-28-0	Thallium	0.60	mg/Kg	U		P	0.60	P2	P260621
7440-62-2	Vanadium	11.5	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	20.3	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-08

Client ID: BS-48-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 80

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	8950	mg/Kg			P	0.91	P2	P260621
7440-36-0	Antimony	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-38-2	Arsenic	5.6	mg/Kg			P	0.35	P2	P260621
7440-39-3	Barium	47.9	mg/Kg			P	0.10	P2	P260621
7440-41-7	Beryllium	0.50	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	8.5	mg/Kg			P	0.05	P2	P260621
7440-47-2	Calcium	20100	mg/Kg			P	0.82	P2	P260621
7440-47-3	Chromium	1530	mg/Kg			P	0.08	P2	P260621
7440-48-4	Cobalt	4.7	mg/Kg	B		P	0.08	P2	P260621
7440-50-8	Copper	106	mg/Kg			P	0.11	P2	P260621
7439-89-6	Iron	11700	mg/Kg			P	2.2	P2	P260621
7439-92-1	Lead	55.2	mg/Kg			P	0.26	P2	P260621
7439-95-4	Magnesium	1700	mg/Kg			P	1.2	P2	P260621
7439-96-5	Manganese	182	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.16	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	9.8	mg/Kg			P	0.22	P2	P260621
7440-09-7	Potassium	402	mg/Kg	B	E	P	2.5	P2	P260621
7782-49-2	Selenium	0.38	mg/Kg	U		P	0.38	P2	P260621
7440-22-4	Silver	10.4	mg/Kg			P	0.12	P2	P260621
7440-23-5	Sodium	126	mg/Kg	B		P	44.2	P2	P260621
7440-28-0	Thallium	0.68	mg/Kg	U		P	0.68	P2	P260621
7440-62-2	Vanadium	24.5	mg/Kg			P	0.09	P2	P260621
7440-66-6	Zinc	317	mg/Kg			P	0.14	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-09

Client ID: BS-50-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 94

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4810	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.50	mg/Kg	U		P	0.50	P2	P260621
7440-38-2	Arsenic	6.0	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	18.4	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	4130	mg/Kg			P	0.70	P2	P260621
7440-47-3	Chromium	9.5	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.5	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	6.3	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	8240	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	17.0	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	844	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	74.0	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.02	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.5	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	217	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	37.6	mg/Kg	U		P	37.6	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	10.1	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	30.3	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-10

Client ID: BS-54-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 94

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2560	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.50	mg/Kg	U		P	0.50	P2	P260621
7440-38-2	Arsenic	2.0	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	13.5	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.16	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	2160	mg/Kg			P	0.70	P2	P260621
7440-47-3	Chromium	6.0	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.0	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	4.5	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	6230	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	11.6	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	480	mg/Kg	B		P	1.0	P2	P260621
7439-96-5	Manganese	93.4	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg	U	N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.3	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	164	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	39.8	mg/Kg	B		P	37.6	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	6.3	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	17.5	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-11

Client ID: BS-58-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 94

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2810	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.50	mg/Kg	U		P	0.50	P2	P260621
7440-38-2	Arsenic	2.2	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	14.6	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.16	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	3680	mg/Kg			P	0.70	P2	P260621
7440-47-3	Chromium	15.0	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.0	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	6.4	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	7040	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	9.9	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	635	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	85.0	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.01	mg/Kg	U	N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.5	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	227	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	83.6	mg/Kg	B		P	37.6	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	6.9	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	21.3	mg/Kg			P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-12

Client ID: BS-30-4DUP

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 90

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6510	mg/Kg			P	0.81	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	6.0	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	35.3	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	10000	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	15.6	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	16.4	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	10600	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	38.1	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	3440	mg/Kg			P	1.1	P2	P260621
7439-96-5	Manganese	102	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.06	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	5.4	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	301	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.49	mg/Kg	B		P	0.33	P2	P260621
7440-22-4	Silver	0.52	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	112	mg/Kg	B		P	39.3	P2	P260621
7440-28-0	Thallium	0.60	mg/Kg	U		P	0.60	P2	P260621
7440-62-2	Vanadium	16.0	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	60.3	mg/Kg			P	0.12	P2	P260621

- 1 -

SDG No.: P3075

Method Type: SW846

Clarity Before: _____

Texture: MEDIUM

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-15

Client ID: BS-134-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3740	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	2.0	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	18.1	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.27	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	4.4	mg/Kg			P	0.04	P2	P260621
7440-70-2	Calcium	3630	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	493	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.3	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	32.6	mg/Kg			P	0.10	P2	P260621
7439-89-6	Iron	6160	mg/Kg			P	1.9	P2	P260621
7439-92-1	Lead	24.8	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	701	mg/Kg			P	1.0	P2	P260621
7439-96-5	Manganese	139	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.11	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.4	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	169	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	8.6	mg/Kg			P	0.11	P2	P260621
7440-23-5	Sodium	57.8	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	10.5	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	114	mg/Kg			P	0.12	P2	P260621

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-16

Client ID: BS-138-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: SOIL

Date Received: 6/20/02

Level: LOW

% Solids: 96

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	1780	mg/Kg			P	0.76	P2	P260621
7440-36-0	Antimony	0.49	mg/Kg	U		P	0.49	P2	P260621
7440-38-2	Arsenic	2.4	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	7.2	mg/Kg	B		P	0.08	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	1260	mg/Kg			P	0.69	P2	P260621
7440-47-3	Chromium	19.9	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.7	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	4.8	mg/Kg			P	0.09	P2	P260621
7439-89-6	Iron	6970	mg/Kg			P	1.8	P2	P260621
7439-92-1	Lead	7.4	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	360	mg/Kg	B		P	0.99	P2	P260621
7439-96-5	Manganese	92.1	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.03	mg/Kg		N*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.0	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	108	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.34	mg/Kg	B		P	0.10	P2	P260621
7440-23-5	Sodium	103	mg/Kg	B		P	36.9	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	5.4	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	14.2	mg/Kg			P	0.11	P2	P260621

- 1 -

SDG No.: P3075

Method Type: SW846

Clarity Before: _____

Texture: MEDIUM

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Sample ID: P3075-19

Client ID: RINSEBLANK

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3075

Matrix: WATER

Date Received: 6/20/02

Level: LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	7.3	ug/L	U		P	7.3	P2	P260621
7440-36-0	Antimony	4.7	ug/L	U		P	4.7	P2	P260621
7440-38-2	Arsenic	2.8	ug/L	U		P	2.8	P2	P260621
7440-39-3	Barium	0.80	ug/L	U		P	0.80	P2	P260621
7440-41-7	Beryllium	0.10	ug/L	U		P	0.10	P2	P260621
7440-43-9	Cadmium	0.40	ug/L	U		P	0.40	P2	P260621
7440-70-2	Calcium	6.6	ug/L	U		P	6.6	P2	P260621
7440-47-3	Chromium	0.60	ug/L	U		P	0.60	P2	P260621
7440-48-4	Cobalt	0.60	ug/L	U		P	0.60	P2	P260621
7440-50-8	Copper	0.90	ug/L	U		P	0.90	P2	P260621
7439-89-6	Iron	17.3	ug/L	U		P	17.3	P2	P260621
7439-92-1	Lead	2.1	ug/L	U		P	2.1	P2	P260621
7439-95-4	Magnesium	9.5	ug/L	U		P	9.5	P2	P260621
7439-96-5	Manganese	0.10	ug/L	U		P	0.10	P2	P260621
7439-97-6	Mercury	0.20	ug/L	U		CV	0.20	CV1	062702B
7440-02-0	Nickel	1.8	ug/L	U		P	1.8	P2	P260621
7440-09-7	Potassium	20.0	ug/L	U		P	20.0	P2	P260621
7782-49-2	Selenium	3.0	ug/L	U		P	3.0	P2	P260621
7440-22-4	Silver	1.0	ug/L	U		P	1.0	P2	P260621
7440-23-5	Sodium	354	ug/L	U		P	354	P2	P260621
7440-28-0	Thallium	5.4	ug/L	U		P	5.4	P2	P260621
7440-62-2	Vanadium	1.3	ug/L	B		P	0.70	P2	P260621
7440-66-6	Zinc	1.1	ug/L	U		P	1.1	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3075

Method Type: SW846

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 8, 2002

Laboratory Project: P3075

Analytical parameters: PCBs by method 8082- SW846

Sample (s) Taken: June 20, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-2 0'-4'	BS-5 8'-12'
	BS-2 4'-8'	BS-3 0'-4' DUP
	BS-2 8'-12'	BS-3 0'-4' MS
	BS-3 0'-4'	BS-3 0'-4' MSD
	BS-3 4'-8'	BS-13 4'-8'
	BS-3 8'-12'	BS-13 8'-12'
	BS-4 0'-4'	BS-28 8'-12'
	BS-4 4'-8'	BS-29 8'-12'
	BS-5 0'-4'	RINSE BLANK
	BS-5 4'-8'	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8082, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	☒ Yes	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	☒ Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	☒ Yes	No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	☒ No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	☒ No	NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3075

COMMENTS:

The following samples were diluted before analysis due to sample matrix:

BS-3 0'-4'	BS-3 0'-4' DUP
BS-13 4'-8'	BS-13 8'-12'

The following samples were diluted due to high concentrations of target compounds in the sample. The compounds are flagged with an "E" qualifier.

BS-3 4'-8'	BS-4 8'-12'

The matrix spike and the matrix spike duplicate did not meet QC requirements for Aroclor 1016 and Aroclor 1260. The sample had a high concentration of Aroclor 1260. The sample is flagged with a "J" qualifier.

The RPDs for Aroclor 1016 were not within acceptable QC requirements. Sample had no Aroclor 1016.

The field duplicate sample results did not meet QC requirements. The non-homogeneous nature of the soil sample is the suspected cause, duplicate results should be considered estimated concentrations.

The MS/MSD and Duplicate were field sampled. The non-homogeneous nature of the soil sample is the suspect.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3075

All QC requirements meet. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-01

Client ID: BS-20-4

Date Collected: 6/20/02

Date Analyzed: 6/25/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7177.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	300		18	2.2	ug/Kg
STROGATES					
chloro-m-xylene	19.34	97 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.8	94 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-02

Client ID: BS-24-8

Date Collected: 6/20/02

Date Analyzed: 6/25/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7178.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	14.79	74 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.11	71 %	24 - 151		SPK: 20

PCB**SW-846**

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-03

Client ID: BS-28-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/25/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7179.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 10.0

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.8	U	19	5.8	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.9	U	19	8.9	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	65		19	2.2	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	11.29	56 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.76	79 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-04

Client ID: BS-30-4

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 11.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7202.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 58	U	190	58	ug/Kg
AROCLOR 1221	< 15	U	190	15	ug/Kg
AROCLOR 1232	< 89	U	190	89	ug/Kg
AROCLOR 1242	< 25	U	190	25	ug/Kg
AROCLOR 1248	< 61	U	190	61	ug/Kg
AROCLOR 1254	< 120	U	190	120	ug/Kg
AROCLOR 1260	2100		190	22	ug/Kg
SURROGATES					
chloro-m-xylene	18.1	90 %	24 - 151		SPK: 20
Decachlorobiphenyl	22.9	115 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 5.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7184.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.4	U	18	5.4	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.3	U	18	8.3	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.7	U	18	5.7	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	270		18	2.1	ug/Kg
SPROGATES					
1,2-dichloro-m-xylene	15.99	80 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.2	81 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-05

Client ID: BS-34-8DL

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 5.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7203.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 54	U	180	54	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 83	U	180	83	ug/Kg
AROCLOR 1242	< 23	U	180	23	ug/Kg
AROCLOR 1248	1100		180	57	ug/Kg
AROCLOR 1254	760		180	110	ug/Kg
AROCLOR 1260	< 21	U	180	21	ug/Kg
SURROGATES					
chloro-m-xylene	19.8	99 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.7	99 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-06

Client ID: BS-38-12

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7185.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	18	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	18	6.0	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	50		18	2.2	ug/Kg
SURROGATES					
Decachloro-m-xylene	13.12	66 %	24 - 151		SPK: 20
Decachlorobiphenyl	11.89	59 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-07

Client ID: BS-40-4

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 10.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7186.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	19	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	19	6.0	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	23		19	2.2	ug/Kg
SURROGATES					
chloro-m-xylene	18.1	91 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.66	83 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7204.D

Dilution: 10

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 20.0

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 65	U	210	65	ug/Kg
AROCLOR 1221	< 16	U	210	16	ug/Kg
AROCLOR 1232	< 100	U	210	100	ug/Kg
AROCLOR 1242	< 27	U	210	27	ug/Kg
AROCLOR 1248	< 69	U	210	69	ug/Kg
AROCLOR 1254	2500		210	130	ug/Kg
AROCLOR 1260	< 25	U	210	25	ug/Kg
SURROGATES					
chloro-m-xylene	17.2	86 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.4	92 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-08

Client ID: BS-48-12DL

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 100

Analytical Method: 8082

% Moisture: 20.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7208.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 650	U	2100	650	ug/Kg
AROCLOR 1221	< 160	U	2100	160	ug/Kg
AROCLOR 1232	< 1000	U	2100	1000	ug/Kg
AROCLOR 1242	< 270	U	2100	270	ug/Kg
AROCLOR 1248	7400		2100	690	ug/Kg
AROCLOR 1254	< 1300	U	2100	1300	ug/Kg
AROCLOR 1260	< 250	U	2100	250	ug/Kg
SURROGATES					
1,2,4-trichloro-m-xylene	17	85 %	24 - 151		SPK: 20
Decachlorobiphenyl	21	105 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-09

Client ID: BS-50-4

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7188.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	120		18	11	ug/Kg
AROCLOR 1260	33		18	2.1	ug/Kg
SURROGATES					
Decachloro-m-xylene	13.28	66 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.4	67 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-10

Client ID: BS-54-8

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7189.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 6.0

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	15	JP	18	2.1	ug/Kg
SUPROGATES					
1-chloro-m-xylene	11.12	56 %	24 - 151		SPK: 20
Decachlorobiphenyl	12.8	64 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-11

Client ID: BS-58-12

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7190.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	120		18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
chloro-m-xylene	16.37	82 %	24 - 151		SPK: 20
Decachlorobiphenyl	22.44	112 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-12

Client ID: BS-30-4DUP

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 10.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7205.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 57	U	190	57	ug/Kg
AROCLOR 1221	< 14	U	190	14	ug/Kg
AROCLOR 1232	< 88	U	190	88	ug/Kg
AROCLOR 1242	< 24	U	190	24	ug/Kg
AROCLOR 1248	< 60	U	190	60	ug/Kg
AROCLOR 1254	< 120	U	190	120	ug/Kg
AROCLOR 1260	3400		190	22	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.4	87 %	24 - 151		SPK: 20
Decachlorobiphenyl	27.7	139 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-15

Client ID: BS-134-8

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7206.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 57	U	180	57	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 87	U	180	87	ug/Kg
AROCLOR 1242	< 24	U	180	24	ug/Kg
AROCLOR 1248	3400		180	60	ug/Kg
AROCLOR 1254	1600		180	120	ug/Kg
AROCLOR 1260	< 22	U	180	22	ug/Kg
SURROGATES					
chloro-m-xylene	21	105 %	24 - 151		SPK: 20
Decachlorobiphenyl	23.9	120 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-16

Client ID: BS-138-12

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 10

Analytical Method: 8082

% Moisture: 4.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7207.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 53	U	170	53	ug/Kg
AROCLOR 1221	< 13	U	170	13	ug/Kg
AROCLOR 1232	< 82	U	170	82	ug/Kg
AROCLOR 1242	< 22	U	170	22	ug/Kg
AROCLOR 1248	2600		170	56	ug/Kg
AROCLOR 1254	1400		170	110	ug/Kg
AROCLOR 1260	< 20	U	170	20	ug/Kg
SURROGATES					
Chloro-m-xylene	19.3	97 %	24 - 151		SPK: 20
Decachlorobiphenyl	24.1	121 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-17

Client ID: BS-288-12

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/26/02

Matrix: SOIL

Date Extracted: 6/25/02

File ID: 4PC7194.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 4.0

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.3	U	17	5.3	ug/Kg
AROCLOR 1221	< 1.3	U	17	1.3	ug/Kg
AROCLOR 1232	< 8.1	U	17	8.1	ug/Kg
AROCLOR 1242	< 2.2	U	17	2.2	ug/Kg
AROCLOR 1248	< 5.6	U	17	5.6	ug/Kg
AROCLOR 1254	< 11	U	17	11	ug/Kg
AROCLOR 1260	< 2.0	U	17	2.0	ug/Kg
SPROGATES					
chloro-m-xylene	17.76	89 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.05	95 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-18

Client ID: BS-298-12

Date Collected: 6/20/02

Date Analyzed: 6/26/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/20/02

Matrix: SOIL

File ID: 4PC7195.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062502-10 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	18	J	18	2.1	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	21.35	107 %	24 - 151		SPK: 20
Decachlorobiphenyl	26.37	132 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3075-01

Client: MAC Consultants, Inc.

Sample ID: P3075-19

Client ID: RINSEBLANK

Date Collected: 6/20/02

Date Received: 6/20/02

Date Analyzed: 6/25/02

Matrix: WATER

Date Extracted: 6/25/02

File ID: 4PC7174.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 100.0

Associated Blank: PB062502-11 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 0.24	U	0.50	0.24	ug/L
AROCLOR 1221	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1232	< 0.090	U	0.50	0.090	ug/L
AROCLOR 1242	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1248	< 0.12	U	0.50	0.12	ug/L
AROCLOR 1254	< 0.050	U	0.50	0.050	ug/L
AROCLOR 1260	< 0.010	U	0.50	0.010	ug/L
SURROGATES					
chloro-m-xylene	24.73	124 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.42	82 %	24 - 151		SPK: 20

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 11, 2002

Laboratory Project: P3098

Analytical parameters: Volatile Organics by method 8260- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-14 0'-4'	BS-15 8'-12'
	BS-14 4'-8'	BS-16 0'-4'
	BS-14 8'-12'	BS-16 4'-8'
	BS-15 0'-4'	BS-16 8'-12'
	BS-15 4'-8'	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8260, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % moisture less than 50 % for all soil samples?	<u>Yes</u>	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
10. Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
11. Were the midpoint check std. within the acceptance criteria?	<u>Yes</u>	No	NA
12. Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
13. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
14. Were system monitoring compounds within the acceptance limits?	<u>Yes</u>	No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) Analyzed at the correct frequency?	<u>Yes</u>	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	<u>Yes</u>	No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	<u>Yes</u>	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	<u>Yes</u>	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	<u>NA</u>
20. Were dilutions made appropriately?	<u>Yes</u>	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

COMMENTS:

All QC requirements meet. Data usability acceptable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062518.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.4	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.4	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.4	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.4	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.4	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.4	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.4	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.4	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.97	U	5.4	0.97	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.4	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.97	U	5.4	0.97	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.4	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.4	1.2	ug/Kg
2-Butanone	78-93-3	< 5.8	U	5.4	5.8	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.4	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.4	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.86	U	5.4	0.86	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.86	U	5.4	0.86	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.97	U	5.4	0.97	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.4	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.97	U	5.4	0.97	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.4	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.4	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.4	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.4	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.4	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.5	U	5.4	6.5	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.4	1.3	ug/Kg
1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.4	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.4	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.4	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.4	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.4	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.4	3.0	ug/Kg

Chemtech Consulting Group

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062518.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	C	5.4	1.2	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	43.9	88 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	51.33	103 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	40.94	82 %	74 - 121		SPK: 50
Dibromofluoromethane		49.52	99 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
fluorobenzene	363-72-4	2919672	5.91			
Difluorobenzene	540-36-3	3130817	7.68			
Chlorobenzene-d5	3114-55-4	2659255	13.90			
1,4-Dichlorobenzene-d4	3855-82-1	1701268	19.41			
TENTATIVE IDENTIFIED COMPOUNDS						
Column Bleed		7.4	J	20.45		ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062613.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.96	U	5.3	0.96	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.96	U	5.3	0.96	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
2-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.85	U	5.3	0.85	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.85	U	5.3	0.85	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.96	U	5.3	0.96	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.96	U	5.3	0.96	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.3	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.4	U	5.3	6.4	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
1,2-Dichloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
1,1,1-Trichloroethane	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.3	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.3	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062613.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 6

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.5	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	42.25	85 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	51.65	103 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	39.78	80 %	74 - 121		SPK: 50
Dibromofluoromethane		50.23	100 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	3074787	6.16			
Difluorobenzene	540-36-3	3295622	7.93			
Chlorobenzene-d5	3114-55-4	2713339	14.17			
1,4-Dichlorobenzene-d4	3855-82-1	1606287	19.66			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062520.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 3

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.2	1.8	ug/Kg
Bromomethane	74-83-9	< 1.0	U	5.2	1.0	ug/Kg
Vinyl chloride	75-01-4	< 1.0	U	5.2	1.0	ug/Kg
Chloroethane	75-00-3	< 1.3	U	5.2	1.3	ug/Kg
Methylene Chloride	75-09-2	< 1.3	U	5.2	1.3	ug/Kg
Acetone	67-64-1	< 3.6	U	5.2	3.6	ug/Kg
Carbon disulfide	75-15-0	< 1.3	U	5.2	1.3	ug/Kg
Dichloroethene	75-35-4	< 1.1	U	5.2	1.1	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.93	U	5.2	0.93	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.1	U	5.2	1.1	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.93	U	5.2	0.93	ug/Kg
Chloroform	67-66-3	< 1.0	U	5.2	1.0	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.1	U	5.2	1.1	ug/Kg
2-Butanone	78-93-3	< 5.6	U	5.2	5.6	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.0	U	5.2	1.0	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.2	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.82	U	5.2	0.82	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.82	U	5.2	0.82	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.93	U	5.2	0.93	ug/Kg
Trichloroethene	79-01-6	< 1.0	U	5.2	1.0	ug/Kg
Dibromochloromethane	124-48-1	< 0.93	U	5.2	0.93	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.1	U	5.2	1.1	ug/Kg
Benzene	71-43-2	< 1.0	U	5.2	1.0	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.0	U	5.2	1.0	ug/Kg
Bromoform	75-25-2	< 1.1	U	5.2	1.1	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.1	U	5.2	4.1	ug/Kg
2-Hexanone	591-78-6	< 6.2	U	5.2	6.2	ug/Kg
Tetrachloroethene	127-18-4	< 1.2	U	5.2	1.2	ug/Kg
2-Tetrachloroethane	79-34-5	< 1.0	U	5.2	1.0	ug/Kg
Toluene	108-88-3	< 1.1	U	5.2	1.1	ug/Kg
Chlorobenzene	108-90-7	< 1.1	U	5.2	1.1	ug/Kg
Ethyl Benzene	100-41-4	< 1.0	U	5.2	1.0	ug/Kg
Styrene	100-42-5	< 1.4	U	5.2	1.4	ug/Kg
m/p-Xylenes	136777-61-2	< 2.9	U	5.2	2.9	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062520.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 3

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.1	0	5.2	1.1	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	45.52	91 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.08	98 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.65	75 %	74 - 121		SPK: 50
Dibromofluoromethane		47.89	96 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Fluorobenzene	363-72-4	3053338	5.83			
Difluorobenzene	540-36-3	3393370	7.60			
Chlorobenzene-d5	3114-55-4	2736630	13.87			
1,4-Dichlorobenzene-d4	3855-82-1	1665030	19.38			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062614.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 11

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.5	U	5.6	1.5	ug/Kg
Methylene Chloride	75-09-2	< 1.5	U	5.6	1.5	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
Carbon disulfide	75-15-0	< 1.5	U	5.6	1.5	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.1	U	5.6	6.1	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.4	U	5.6	2.4	ug/Kg
Bromodichloromethane	75-27-4	< 0.90	U	5.6	0.90	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.90	U	5.6	0.90	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.5	U	5.6	4.5	ug/Kg
2-Hexanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.6	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg

Chemtech Consulting Group

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062614.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 11

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	U	5.6	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	40.89	82 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.59	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.2	76 %	74 - 121		SPK: 50
Dibromofluoromethane		49.08	98 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2970779	6.16			
Difluorobenzene	540-36-3	3165920	7.96			
Chlorobenzene-d5	3114-55-4	2543182	14.17			
1,4-Dichlorobenzene-d4	3855-82-1	1469074	19.68			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062615.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 8

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.4	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.4	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.4	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.4	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.4	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.4	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.4	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.4	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.98	U	5.4	0.98	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.4	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.98	U	5.4	0.98	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.4	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.4	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.4	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.4	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.4	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.87	U	5.4	0.87	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.87	U	5.4	0.87	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.98	U	5.4	0.98	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.4	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.98	U	5.4	0.98	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.4	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.4	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.4	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.4	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.4	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.5	U	5.4	6.5	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.4	1.3	ug/Kg
1,2-Tetrachloroethane	79-34-5	< 1.1	U	5.4	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.4	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.4	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.4	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.4	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.0	U	5.4	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062615.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 8

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	1.2	0	5.4	1.2	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	41.64	83 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.58	99 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.05	76 %	74 - 121		SPK: 50
Dibromofluoromethane		48.61	97 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2959580	6.16			
Difluorobenzene	540-36-3	3207634	7.96			
Chlorobenzene-d5	3114-55-4	2587725	14.17			
1,4-Dichlorobenzene-d4	3855-82-1	1544314	19.68			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062619.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.4	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.4	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.4	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.4	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.4	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.4	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.4	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.4	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.97	U	5.4	0.97	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.4	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.97	U	5.4	0.97	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.4	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.4	1.2	ug/Kg
2-Butanone	78-93-3	< 5.8	U	5.4	5.8	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.4	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.4	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.86	U	5.4	0.86	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.86	U	5.4	0.86	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.97	U	5.4	0.97	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.4	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.97	U	5.4	0.97	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.4	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.4	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.4	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.4	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.3	U	5.4	4.3	ug/Kg
2-Hexanone	591-78-6	< 6.5	U	5.4	6.5	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.4	1.3	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.4	1.1	ug/Kg
1,2-Dichlorobenzene	95-49-6	< 1.2	U	5.4	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.4	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.4	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.4	1.5	ug/Kg
m/p-Xylenes	136-77-61-2	< 3.0	U	5.4	3.0	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062619.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 7

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	C	5.4	1.2	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	42.98	86 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.17	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.53	75 %	74 - 121		SPK: 50
Dibromofluoromethane		48.54	97 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2736681	6.16			
Difluorobenzene	540-36-3	2996953	7.93			
Chlorobenzene-d5	3114-55-4	2495956	14.15			
1,4-Dichlorobenzene-d4	3855-82-1	1383632	19.63			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062515.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.5	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.5	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.5	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.5	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.5	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.5	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.5	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.5	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.99	U	5.5	0.99	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.5	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.99	U	5.5	0.99	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.5	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.5	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.5	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.5	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.88	U	5.5	0.88	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.88	U	5.5	0.88	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.99	U	5.5	0.99	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.5	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.99	U	5.5	0.99	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.5	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.5	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.5	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.5	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.5	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.6	U	5.5	6.6	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.5	1.3	ug/Kg
1,2,3,4-Tetrachloroethane	79-34-5	< 1.1	U	5.5	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.5	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.5	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.5	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.5	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.5	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062515.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.2	0	5.5	1.2	ug/kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	43.98	88 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.39	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.95	76 %	74 - 121		SPK: 50
Dibromofluoromethane		50.85	102 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2956474	5.91			
Difluorobenzene	540-36-3	3131852	7.68			
Chlorobenzene-d5	3114-55-4	2556950	13.93			
1,4-Dichlorobenzene-d4	3855-82-1	1460315	19.44			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062516.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSV0AA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.5	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.5	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.5	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.5	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.5	1.4	ug/Kg
Acetone	67-64-1	< 3.8	U	5.5	3.8	ug/Kg
Carbon disulfide	75-15-0	< 1.4	U	5.5	1.4	ug/Kg
Dichloroethene	75-35-4	< 1.2	U	5.5	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.99	U	5.5	0.99	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.5	1.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 0.99	U	5.5	0.99	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.5	1.2	ug/Kg
2-Butanone	78-93-3	< 5.9	U	5.5	5.9	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.5	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.3	U	5.5	2.3	ug/Kg
Bromodichloromethane	75-27-4	< 0.88	U	5.5	0.88	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.88	U	5.5	0.88	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 0.99	U	5.5	0.99	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.5	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.99	U	5.5	0.99	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.2	U	5.5	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.5	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.5	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.5	1.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.4	U	5.5	4.4	ug/Kg
2-Hexanone	591-78-6	< 6.6	U	5.5	6.6	ug/Kg
Tetrachloroethene	127-18-4	< 1.3	U	5.5	1.3	ug/Kg
1,2-Dichloroethane	79-34-5	< 1.1	U	5.5	1.1	ug/Kg
1,2-Dichloroethane	108-88-3	< 1.2	U	5.5	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.5	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.5	1.1	ug/Kg
Styrene	100-42-5	< 1.5	U	5.5	1.5	ug/Kg
m/p-Xylenes	136777-61-2	< 3.1	U	5.5	3.1	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062516.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 9

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
<i>o</i> -Xylene	95-47-6	< 1.2	0	5.5	1.2	ug/kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	41.47	83 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.58	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	38.29	77 %	74 - 121		SPK: 50
Dibromofluoromethane		49.55	99 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	3119175	5.91			
Difluorobenzene	540-36-3	3280718	7.68			
Chlorobenzene-d5	3114-55-4	2757005	13.90			
1,4-Dichlorobenzene-d4	3855-82-1	1629863	19.44			

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID: BS-168-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062517.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 13

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 2.0	U	5.7	2.0	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.7	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.7	1.1	ug/Kg
Chloroethane	75-00-3	< 1.5	U	5.7	1.5	ug/Kg
Methylene Chloride	75-09-2	< 1.5	U	5.7	1.5	ug/Kg
Acetone	67-64-1	< 4.0	U	5.7	4.0	ug/Kg
Carbon disulfide	75-15-0	< 1.5	U	5.7	1.5	ug/Kg
Dichloroethene	75-35-4	< 1.3	U	5.7	1.3	ug/Kg
1,1-Dichloroethane	75-34-3	< 1.0	U	5.7	1.0	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 1.3	U	5.7	1.3	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 1.0	U	5.7	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.7	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.3	U	5.7	1.3	ug/Kg
2-Butanone	78-93-3	< 6.2	U	5.7	6.2	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.7	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.4	U	5.7	2.4	ug/Kg
Bromodichloromethane	75-27-4	< 0.92	U	5.7	0.92	ug/Kg
1,2-Dichloropropane	78-87-5	< 0.92	U	5.7	0.92	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.7	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.7	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.7	1.0	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 1.3	U	5.7	1.3	ug/Kg
Benzene	71-43-2	< 1.1	U	5.7	1.1	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.7	1.1	ug/Kg
Bromoform	75-25-2	< 1.3	U	5.7	1.3	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 4.6	U	5.7	4.6	ug/Kg
2-Hexanone	591-78-6	< 6.9	U	5.7	6.9	ug/Kg
Tetrachloroethene	127-18-4	< 1.4	U	5.7	1.4	ug/Kg
1,2-Tetrachloroethane	79-34-5	< 1.1	U	5.7	1.1	ug/Kg
Toluene	108-88-3	< 1.3	U	5.7	1.3	ug/Kg
Chlorobenzene	108-90-7	< 1.3	U	5.7	1.3	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.7	1.1	ug/Kg
Styrene	100-42-5	< 1.6	U	5.7	1.6	ug/Kg
m/p-Xylenes	136777-61-2	< 3.2	U	5.7	3.2	ug/Kg

Volatiles

SW-846

SDG No.: P3098

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID: BS-168-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062517.D

Analytical Run ID: VA061202

Dilution: 1

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S3

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 13

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 1.5	0	5.7	1.5	ug/kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	41.19	82 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.97	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	36.89	74 %	74 - 121		SPK: 50
Dibromofluoromethane		48.42	97 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2942905	5.91			
Difluorobenzene	540-36-3	3136861	7.68			
Chlorobenzene-d5	3114-55-4	2539949	13.90			
1,4-Dichlorobenzene-d4	3855-82-1	1517956	19.41			

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 12, 2002

Laboratory Project: P3098

Analytical parameters: Semi-Volatile Organics by method 8270- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID:	BS-14 0'-4'	BS-15 8'-12'
	BS-14 4'-8'	BS-16 0'-4'
	BS-14 8'-12'	BS-16 4'-8'
	BS-15 0'-4'	BS-16 8'-12'
	BS-15 4'-8'	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8270, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % moisture less than 50 % for all soil samples?	<u>Yes</u>	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
10. Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
11. Were the midpoint check std. within the acceptance criteria?	<u>Yes</u>	No	NA
12. Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
13. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
14. Were system monitoring compounds within the acceptance limits?	Yes	<u>No</u>	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	<u>Yes</u>	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	<u>No</u>	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	<u>Yes</u>	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	<u>Yes</u>	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	<u>NA</u>
20. Were dilutions made appropriately?	<u>Yes</u>	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

COMMENTS:

The following samples were diluted before analysis:

BS-14 0'-4'	BS-14 4'-8'
BS-15 0'-4'	BS-15 4'-8'
BS-15 8'-12'	BS-16 0'-4'
BS-16 4'-8'	BS-16 8'-12'

The following samples were diluted due to high concentrations of target compounds in the sample. The compounds are flagged with an "E" qualifier on the forms.

BS-14 4'-8'	BS-16 4'-8'

The following samples were rerun due to the internal standard not meeting QC requirements on the original run.

BS-14 8'-12'	BS-15 0'-4'
BS-15 4'-8'	BS-15 8'-12'
BS-16 0'-4'	BS-16 8'-12'
BS-14 0'-4'	

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

The surrogate recoveries for the following samples were not within QC acceptance limits due to matrix interference. Only one surrogate out per fraction. All data is usable.

BS-14 4'-8'DL	BS-16 4'-8'
BS-15 0'-4'	BS-15 4'-8''
BS-16 0'-4'	BS-15 8'-12'
BS-14 8'-12'	BS-16 4'-8'DL

The recoveries in the MS and MSD for the following compounds did not meet QC requirements due to matrix interference in the sample.

4-Chloroaniline	Hexachlorocyclopentadiene
4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol
Phenanthrene	Fluoranthene
Pyrene	Benzo(k)fluoranthene
3,3'-Dichlorobenzidine(MSD only)	
Benzo(b)fluoranthene(MSD only)	

The RPDs for the following compounds did not meet QC criteria.

Phenanthrene	Pyrene
Benzo(a)pyrene	3,3'-Dichlorobenzidine
Chrysene	Benzo(b)fluoranthene
Benzo(k)fluoranthene	Benzo(a)pyrene

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

The compounds are flagged with "J" and "UJ" qualifiers.

All other QC met requirements. Data usability is acceptable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001216.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 170	U	1700	170	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1700	210	ug/Kg
2-Chlorophenol	< 190	U	1700	190	ug/Kg
1,2-Dichlorobenzene	< 170	U	1700	170	ug/Kg
1,3-Dichlorobenzene	< 210	U	1700	210	ug/Kg
1,4-Dichlorobenzene	< 170	U	1700	170	ug/Kg
2,4-Dimethylphenol	< 170	U	1700	170	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 170	U	1700	170	ug/Kg
3+4-Methylphenols	< 310	U	1700	310	ug/Kg
N-Nitroso-di-n-propylamine	< 170	U	1700	170	ug/Kg
Hexachloroethane	< 190	U	1700	190	ug/Kg
Nitrobenzene	< 170	U	1700	170	ug/Kg
Isophorone	< 170	U	1700	170	ug/Kg
2-Nitrophenol	< 190	U	1700	190	ug/Kg
2,4-Dimethylphenol	< 400	U	1700	400	ug/Kg
bis(2-Chloroethoxy)methane	< 170	U	1700	170	ug/Kg
2,4-Dichlorophenol	< 230	U	1700	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1700	210	ug/Kg
Naphthalene	< 210	U	1700	210	ug/Kg
4-Chloroaniline	< 210	U	1700	210	ug/Kg
Hexachlorobutadiene	< 260	U	1700	260	ug/Kg
4-Chloro-3-methylphenol	< 190	U	1700	190	ug/Kg
2-Methylnaphthalene	< 210	U	1700	210	ug/Kg
Hexachlorocyclopentadiene	< 660	U	1700	660	ug/Kg
2,4,6-Trichlorophenol	< 170	U	1700	170	ug/Kg
2,4,5-Trichlorophenol	< 170	U	4400	170	ug/Kg
2-Chloronaphthalene	< 210	U	1700	210	ug/Kg
2-Nitroaniline	< 170	U	4400	170	ug/Kg
1,2-Dimethylphthalate	< 170	U	1700	170	ug/Kg
Acenaphthylene	< 210	U	1700	210	ug/Kg
2,6-Dinitrotoluene	< 170	U	1700	170	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001216.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4400	210	ug/Kg
Acenaphthene	< 210	U	1700	210	ug/Kg
2,4-Dinitrophenol	< 350	U	4400	350	ug/Kg
4-Nitrophenol	< 190	U	4400	190	ug/Kg
Dibenzofuran	< 170	U	1700	170	ug/Kg
2,4-Dinitrotoluene	< 190	U	1700	190	ug/Kg
Di-n-butylphthalate	< 170	U	1700	170	ug/Kg
4-chlorophenyl-phenylether	< 210	U	1700	210	ug/Kg
Fluorene	< 190	U	1700	190	ug/Kg
4-Nitroaniline	< 420	U	4400	420	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4400	210	ug/Kg
N-Nitrosodiphenylamine	< 350	U	1700	350	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1700	230	ug/Kg
Hexachlorobenzene	< 190	U	1700	190	ug/Kg
Pentachlorophenol	< 330	U	4400	330	ug/Kg
Phenanthrene	2800	J	1700	170	ug/Kg
Anthracene	420	J	1700	230	ug/Kg
Carbazole	180	J	1700	71	ug/Kg
Di-n-butylphthalate	< 210	U	1700	210	ug/Kg
Fluoranthene	6700	J	1700	170	ug/Kg
Pyrene	5300	J	1700	170	ug/Kg
Butylbenzylphthalate	< 170	U	1700	170	ug/Kg
3,3'-Dichlorobenzidine	< 170	U	1700	170	ug/Kg
Benzo(a)anthracene	2400	J	1700	170	ug/Kg
Chrysene	2400	J	1700	280	ug/Kg
bis(2-Ethylhexyl)phthalate	< 170	U	1700	170	ug/Kg
Di-n-octyl phthalate	< 260	U	1700	260	ug/Kg
Benzo(b)fluoranthene	2400	J	1700	170	ug/Kg
Benzo(k)fluoranthene	3000	J	1700	450	ug/Kg
Benzo(a)pyrene	2700	J	1700	260	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1700	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001216.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.5

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 260	U R	1700	260	ug/Kg
Benzo(g,h,i)perylene	< 230	U R	1700	230	ug/Kg
SURROGATES					
2-Fluorophenol	192.2	64 %	25 - 121		SPK: 300
Phenol-d5	196.7	66 %	24 - 113		SPK: 300
Nitrobenzene-d5	134.4	67 %	23 - 120		SPK: 200
orobiphenyl	107.5	54 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	158.5	53 %	19 - 122		SPK: 300
Terphenyl-d14	267	134 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	148922	6.74
Naphthalene-d8	540498	8.42
Acenaphthene-d10	324452	10.29
Phenanthrene-d10	440455	11.70
Chrysene-d12	86744	14.59
Perylene-d12	12006	17.42

TENTATIVE IDENTIFIED COMPOUNDS

ACP	34000	A	4.28	ug/Kg
ACP	1000	A	5.33	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002182.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 350	U	3500	350	ug/Kg
bis(2-Chloroethyl)ether	< 410	U	3500	410	ug/Kg
2-Chlorophenol	< 380	U	3500	380	ug/Kg
1,2-Dichlorobenzene	< 350	U	3500	350	ug/Kg
1,3-Dichlorobenzene	< 410	U	3500	410	ug/Kg
1,4-Dichlorobenzene	< 350	U	3500	350	ug/Kg
2-Methylphenol	< 350	U	3500	350	ug/Kg
2,3-Dioxibis(1-chloropropane)	< 350	U	3500	350	ug/Kg
3+4-Methylphenols	< 620	U	3500	620	ug/Kg
N-Nitroso-di-n-propylamine	< 350	U	3500	350	ug/Kg
Hexachloroethane	< 380	U	3500	380	ug/Kg
Nitrobenzene	< 350	U	3500	350	ug/Kg
Isophorone	< 350	U	3500	350	ug/Kg
2-Nitrophenol	< 380	U	3500	380	ug/Kg
2,4-Dimethylphenol	< 800	U	3500	800	ug/Kg
bis(2-Chloroethoxy)methane	< 350	U	3500	350	ug/Kg
2,4-Dichlorophenol	< 450	U	3500	450	ug/Kg
1,2,4-Trichlorobenzene	< 410	U	3500	410	ug/Kg
Naphthalene	5700		3500	410	ug/Kg
4-Chloroaniline	< 410	U	3500	410	ug/Kg
Hexachlorobutadiene	< 520	U	3500	520	ug/Kg
4-Chloro-3-methylphenol	< 380	U	3500	380	ug/Kg
2-Methylnaphthalene	1900	J	3500	410	ug/Kg
Hexachlorocyclopentadiene	< 1300	U	3500	1300	ug/Kg
2,4,6-Trichlorophenol	< 350	U	3500	350	ug/Kg
2,4,5-Trichlorophenol	< 350	U	8700	350	ug/Kg
2-Chloronaphthalene	< 410	U	3500	410	ug/Kg
2-Nitroaniline	< 350	U	8700	350	ug/Kg
Dimethylphthalate	< 350	U	3500	350	ug/Kg
Acenaphthylene	< 410	U	3500	410	ug/Kg
2,6-Dinitrotoluene	< 350	U	3500	350	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002182.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 410	U	8700	410	ug/Kg
Acenaphthene	9500		3500	410	ug/Kg
2,4-Dinitrophenol	< 690	U	8700	690	ug/Kg
4-Nitrophenol	< 380	U	8700	380	ug/Kg
Dibenzofuran	5300		3500	350	ug/Kg
2,4-Dinitrotoluene	< 380	U	3500	380	ug/Kg
Diethylphthalate	< 350	U	3500	350	ug/Kg
4-Bromophenyl-phenylether	< 410	U	3500	410	ug/Kg
Fluorene	9800		3500	380	ug/Kg
4-Nitroaniline	< 830	U	8700	830	ug/Kg
4,6-Dinitro-2-methylphenol	< 410	U	8700	410	ug/Kg
N-Nitrosodiphenylamine	< 690	U	3500	690	ug/Kg
4-Bromophenyl-phenylether	< 450	U	3500	450	ug/Kg
Hexachlorobenzene	< 380	U	3500	380	ug/Kg
Pentachlorophenol	< 660	U	8700	660	ug/Kg
Phenanthrene	57000 60000 E		3500	350	ug/Kg
Anthracene	20000		3500	450	ug/Kg
Carbazole	9900		3500	140	ug/Kg
Di-n-butylphthalate	< 410	U	3500	410	ug/Kg
Fluoranthene	78000 150000 E		3500	350	ug/Kg
Pyrene	55000 34000 E		3500	350	ug/Kg
Butylbenzylphthalate	< 350	U	3500	350	ug/Kg
3,3'-Dichlorobenzidine	< 350	U	3500	350	ug/Kg
Benzo(a)anthracene	36000 27000 E		3500	350	ug/Kg
Chrysene	31000 22000 E		3500	350	ug/Kg
bis(2-Ethylhexyl)phthalate	< 350	U	3500	350	ug/Kg
Di-n-octyl phthalate	< 520	U	3500	520	ug/Kg
Benzo(b)fluoranthene	120000 36000 E		3500	350	ug/Kg
Benzo(k)fluoranthene	100000 20000 E		3500	900	ug/Kg
Benzo(a)pyrene	97000 26000 E		3500	520	ug/Kg
Indeno(1,2,3-cd)pyrene	930	J	3500	550	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002182.D

Dilution: 10

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	1600	J ~~5~~	3500	520	ug/Kg
Benzo(g,h,i)perylene	2100	J ~~4~~	3500	450	ug/Kg
SURROGATES					
2-Fluorophenol	211	70 %	25 - 121		SPK: 300
Phenol-d5	227.8	76 %	24 - 113		SPK: 300
Nitrobenzene-d5	154.2	77 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	141.5	71 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	140.6	47 %	19 - 122		SPK: 300
Terphenyl-d14	244.4	122 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	112677	4.54			
Naphthalene-d8	464609	6.99			
Acenaphthene-d10	233624	10.82			
Phenanthrene-d10	410474	14.14			
Chrysene-d12	484367	20.23			
Perylene-d12	67584	23.26			
TENTITIVE IDENTIFIED COMPOUNDS					
ACP	57000	A	2.29		ug/Kg
4H-Cyclopenta[def]phenanthrene	2400	J	15.53		ug/Kg
Pyrene, 2-methyl-	1500	J	18.22		ug/Kg
Unknown	1000	J	18.45		ug/Kg
Benzo[ghi]fluoranthene	880	J	19.67		ug/Kg
3,4-Dihydrocyclopenta(cd)pyrene (	1300	J	20.43		ug/Kg
5,6-Dimethyl-4-phenyl-3-cyanopyr	1000	J	21.36		ug/Kg
Benzo[e]pyrene	4100	J	22.71		ug/Kg
Benzo[j]fluoranthene	15000	J	23.04		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02 DL

Client ID: BS-144-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001209.D

Dilution: 100

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 3500	U	35000	3500	ug/Kg
bis(2-Chloroethyl)ether	< 4100	U	35000	4100	ug/Kg
2-Chlorophenol	< 3800	U	35000	3800	ug/Kg
1,2-Dichlorobenzene	< 3500	U	35000	3500	ug/Kg
1,3-Dichlorobenzene	< 4100	U	35000	4100	ug/Kg
1,4-Dichlorobenzene	< 3500	U	35000	3500	ug/Kg
2,4-Dimethylphenol	< 3500	U	35000	3500	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 3500	U	35000	3500	ug/Kg
3+4-Methylphenols	< 6200	U	35000	6200	ug/Kg
N-Nitroso-di-n-propylamine	< 3500	U	35000	3500	ug/Kg
Hexachloroethane	< 3800	U	35000	3800	ug/Kg
Nitrobenzene	< 3500	U	35000	3500	ug/Kg
Isophorone	< 3500	U	35000	3500	ug/Kg
2-Nitrophenol	< 3800	U	35000	3800	ug/Kg
2,4-Dimethylphenol	< 8000	U	35000	8000	ug/Kg
bis(2-Chloroethoxy)methane	< 3500	U	35000	3500	ug/Kg
2,4-Dichlorophenol	< 4500	U	35000	4500	ug/Kg
1,2,4-Trichlorobenzene	< 4100	U	35000	4100	ug/Kg
Naphthalene	< 4100	U	35000	4100	ug/Kg
4-Chloroaniline	< 4100	U	35000	4100	ug/Kg
Hexachlorobutadiene	< 5200	U	35000	5200	ug/Kg
4-Chloro-3-methylphenol	< 3800	U	35000	3800	ug/Kg
2-Methylnaphthalene	< 4100	U	35000	4100	ug/Kg
Hexachlorocyclopentadiene	< 13000	U	35000	13000	ug/Kg
2,4,6-Trichlorophenol	< 3500	U	35000	3500	ug/Kg
2,4,5-Trichlorophenol	< 3500	U	87000	3500	ug/Kg
2-Chloronaphthalene	< 4100	U	35000	4100	ug/Kg
2-Nitroaniline	< 3500	U	87000	3500	ug/Kg
1-Methylnaphthalene	< 3500	U	35000	3500	ug/Kg
Acenaphthylene	< 4100	U	35000	4100	ug/Kg
2,6-Dinitrotoluene	< 3500	U	35000	3500	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02 DL

Client ID: BS-144-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001209.D

Dilution: 100

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 4100	U	87000	4100	ug/Kg
Acenaphthene	4700	JD	35000	4100	ug/Kg
2,4-Dinitrophenol	< 6900	U	87000	6900	ug/Kg
4-Nitrophenol	< 3800	U	87000	3800	ug/Kg
Dibenzofuran	< 3500	U	35000	3500	ug/Kg
2,4-Dinitrotoluene	< 3800	U	35000	3800	ug/Kg
Di-n-butylphthalate	< 3500	U	35000	3500	ug/Kg
4-Chlorophenyl-phenylether	< 4100	U	35000	4100	ug/Kg
Fluorene	5100	JD	35000	3800	ug/Kg
4-Nitroaniline	< 8300	U	87000	8300	ug/Kg
4,6-Dinitro-2-methylphenol	< 4100	U	87000	4100	ug/Kg
N-Nitrosodiphenylamine	< 6900	U	35000	6900	ug/Kg
4-Bromophenyl-phenylether	< 4500	U	35000	4500	ug/Kg
Hexachlorobenzene	< 3800	U	35000	3800	ug/Kg
Pentachlorophenol	< 6600	U	87000	6600	ug/Kg
Phenanthrene	60000	D	35000	3500	ug/Kg
Anthracene	10000	JD	35000	4500	ug/Kg
Carbazole	5100	JD	35000	1400	ug/Kg
Di-n-butylphthalate	< 4100	U	35000	4100	ug/Kg
Fluoranthene	75000	D	35000	3500	ug/Kg
Pyrene	34000	JD	35000	3500	ug/Kg
Butylbenzylphthalate	< 3500	U	35000	3500	ug/Kg
3,3'-Dichlorobenzidine	< 3500	U	35000	3500	ug/Kg
Benzo(a)anthracene	27000	JD	35000	3500	ug/Kg
Chrysene	23000	JD	35000	5500	ug/Kg
bis(2-Ethylhexyl)phthalate	< 3500	U	35000	3500	ug/Kg
Di-n-octyl phthalate	< 5200	U	35000	5200	ug/Kg
Benzo(b)fluoranthene	26000	JD	35000	3500	ug/Kg
Benzo(k)fluoranthene	21000	JD	35000	9000	ug/Kg
Benzo(a)pyrene	26000	JD	35000	5200	ug/Kg
Indeno(1,2,3-cd)pyrene	7600	JD	35000	5500	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02 DL

Client ID: BS-144-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001209.D

Dilution: 100

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.4

Extract Vol: 1000

Injection Vol: 2

% Moisture: 6

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 5200	U	35000	5200	ug/Kg
Benzo(g,h,i)perylene	17000	JD	35000	4500	ug/Kg
SURROGATES					
2-Fluorophenol	143	48 %	25 - 121		SPK: 300
Phenol-d5	151	50 %	24 - 113		SPK: 300
Nitrobenzene-d5	121	61 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	74	37 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	16	5 %	19 - 122		SPK: 300
Terphenyl-d14	78	39 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	156827	6.74			
Naphthalene-d8	591627	8.42			
Acenaphthene-d10	415547	10.29			
Phenanthrene-d10	780732	11.69			
Chrysene-d12	262656	14.51			
Perylene-d12	63283	17.32			

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002206.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
2-Ethylphenol	< 34	U	340	34	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	< 40	U	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
2-Nitroaniline	< 34	U	860	34	ug/Kg
Dimethylphthalate	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002206.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	62	J	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 37	U	860	37	ug/Kg
Dibenzofuran	< 34	U	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
Diethylphthalate	< 34	U	340	34	ug/Kg
4-Chlorophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	59	J	340	37	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	530		340	34	ug/Kg
Anthracene	100	J	340	44	ug/Kg
Carbazole	57	J	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	720		340	34	ug/Kg
Pyrene	1600		340	34	ug/Kg
Butylbenzylphthalate	710		340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	290	J	340	34	ug/Kg
Chrysene	150	J	340	34	ug/Kg
bis(2-Ethylhexyl)phthalate	36	J	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Benzo(b)fluoranthene	1300		340	34	ug/Kg
Indeno(1,2,3-cd)fluoranthene	200	J	340	88	ug/Kg
Benzo(a)pyrene	< 51	U	340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	< 54	U	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002206.D

Dilution: 1

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	< 44	U	340	44	ug/Kg
SURROGATES					
2-Fluorophenol	194.88	65 %	25 - 121		SPK: 300
Phenol-d5	186.44	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	132.2	66 %	23 - 120		SPK: 200
orobiphenyl	128.87	64 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	158.72	53 %	19 - 122		SPK: 300
Terphenyl-d14	958.62	479 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	117769	4.55			
Naphthalene-d8	489048	7.00			
Acenaphthene-d10	253194	10.82			
Phenanthrene-d10	426088	14.13			
Chrysene-d12	150851	20.17			
Perylene-d12	6009	23.20			
TENTITIVE IDENTIFIED COMPOUNDS					
ACP	8000	A	2.54		ug/Kg
ACP	280	A	3.29		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03RE

Client ID: BS-148-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BD000799.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 34	U	340	34	ug/Kg
bis(2-Chloroethyl)ether	< 40	U	340	40	ug/Kg
2-Chlorophenol	< 37	U	340	37	ug/Kg
1,2-Dichlorobenzene	< 34	U	340	34	ug/Kg
1,3-Dichlorobenzene	< 40	U	340	40	ug/Kg
1,4-Dichlorobenzene	< 34	U	340	34	ug/Kg
2,4-Dimethylphenol	< 34	U	340	34	ug/Kg
1,2-Dimethoxybis(1-chloropropane)	< 34	U	340	34	ug/Kg
3+4-Methylphenols	< 61	U	340	61	ug/Kg
N-Nitroso-di-n-propylamine	< 34	U	340	34	ug/Kg
Hexachloroethane	< 37	U	340	37	ug/Kg
Nitrobenzene	< 34	U	340	34	ug/Kg
Isophorone	< 34	U	340	34	ug/Kg
2-Nitrophenol	< 37	U	340	37	ug/Kg
2,4-Dimethylphenol	< 78	U	340	78	ug/Kg
bis(2-Chloroethoxy)methane	< 34	U	340	34	ug/Kg
2,4-Dichlorophenol	< 44	U	340	44	ug/Kg
1,2,4-Trichlorobenzene	< 40	U	340	40	ug/Kg
Naphthalene	47	J	340	40	ug/Kg
4-Chloroaniline	< 40	U	340	40	ug/Kg
Hexachlorobutadiene	< 51	U	340	51	ug/Kg
4-Chloro-3-methylphenol	< 37	U	340	37	ug/Kg
2-Methylnaphthalene	< 40	U	340	40	ug/Kg
Hexachlorocyclopentadiene	< 130	U	340	130	ug/Kg
2,4,6-Trichlorophenol	< 34	U	340	34	ug/Kg
2,4,5-Trichlorophenol	< 34	U	860	34	ug/Kg
2-Chloronaphthalene	< 40	U	340	40	ug/Kg
2-Nitroaniline	< 34	U	860	34	ug/Kg
1-Methylnaphthalene	< 34	U	340	34	ug/Kg
Acenaphthylene	< 40	U	340	40	ug/Kg
2,6-Dinitrotoluene	< 34	U	340	34	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03RE

Client ID: BS-148-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BD000799.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 40	U	860	40	ug/Kg
Acenaphthene	73	J	340	40	ug/Kg
2,4-Dinitrophenol	< 68	U	860	68	ug/Kg
4-Nitrophenol	< 37	U	860	37	ug/Kg
Dibenzofuran	48	J	340	34	ug/Kg
2,4-Dinitrotoluene	< 37	U	340	37	ug/Kg
Di-n-butylphthalate	< 34	U	340	34	ug/Kg
4-Bromophenyl-phenylether	< 40	U	340	40	ug/Kg
Fluorene	77	J	340	37	ug/Kg
4-Nitroaniline	< 82	U	860	82	ug/Kg
4,6-Dinitro-2-methylphenol	< 40	U	860	40	ug/Kg
N-Nitrosodiphenylamine	< 68	U	340	68	ug/Kg
4-Bromophenyl-phenylether	< 44	U	340	44	ug/Kg
Hexachlorobenzene	< 37	U	340	37	ug/Kg
Pentachlorophenol	< 65	U	860	65	ug/Kg
Phenanthrene	650		340	34	ug/Kg
Anthracene	170	J	340	44	ug/Kg
Carbazole	88	J	340	14	ug/Kg
Di-n-butylphthalate	< 40	U	340	40	ug/Kg
Fluoranthene	900		340	34	ug/Kg
Pyrene	840		340	34	ug/Kg
Butylbenzylphthalate	560		340	34	ug/Kg
3,3'-Dichlorobenzidine	< 34	U	340	34	ug/Kg
Benzo(a)anthracene	410		340	34	ug/Kg
Chrysene	440		340	54	ug/Kg
bis(2-Ethylhexyl)phthalate	140	J	340	34	ug/Kg
Di-n-octyl phthalate	< 51	U	340	51	ug/Kg
Benzo(b)fluoranthene	350		340	34	ug/Kg
Benzo(k)fluoranthene	430		340	88	ug/Kg
Benzo(a)pyrene	380		340	51	ug/Kg
Indeno(1,2,3-cd)pyrene	78	J	340	54	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03RE

Client ID: BS-148-12RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BD000799.D

Dilution: 1

Instrument ID: 5971D

Analytical Method: 8270

Analytical Run ID: 4

Sample Wt/Wol: 30.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 3

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 51	U	340	51	ug/Kg
Benzo(g,h,i)perylene	120	J	340	44	ug/Kg

SURROGATES

2-Fluorophenol	135.73	45 %	25 - 121	SPK: 300
Phenol-d5	164.56	55 %	24 - 113	SPK: 300
Nitrobenzene-d5	104.89	52 %	23 - 120	SPK: 200
orobiphenyl	105.49	53 %	30 - 116	SPK: 200
2,4,6-Tribromophenol	95.52	32 %	19 - 122	SPK: 300
Terphenyl-d14	99.52	50 %	18 - 137	SPK: 200

INTERNAL STANDARDS

Naphthalene-d8	116826	7.99
Acenaphthene-d10	52182	9.84
Phenanthrene-d10	90422	11.23
Chrysene-d12	86404	14.01
Perylene-d12	49433	16.34

SVOC-TCL BNA

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002183.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1800	220	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 220	U	1800	220	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2-Methylphenol	< 180	U	1800	180	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 240	U	1800	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1800	220	ug/Kg
Naphthalene	< 220	U	1800	220	ug/Kg
4-Chloroaniline	< 220	U	1800	220	ug/Kg
Hexachlorobutadiene	< 280	U	1800	280	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 220	U	1800	220	ug/Kg
Hexachlorocyclopentadiene	< 700	U	1800	700	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4600	180	ug/Kg
2-Chloronaphthalene	< 220	U	1800	220	ug/Kg
2-Nitroaniline	< 180	U	4600	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 220	U	1800	220	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002183.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 220	U	4600	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
2,4-Dinitrophenol	< 370	U	4600	370	ug/Kg
4-Nitrophenol	< 200	U	4600	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
4-Bromophenyl-phenylether	< 220	U	1800	220	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 440	U	4600	440	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4600	220	ug/Kg
N-Nitrosodiphenylamine	< 370	U	1800	370	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1800	240	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 350	U	4600	350	ug/Kg
Phenanthrene	1600	J	1800	180	ug/Kg
Anthracene	370	J	1800	240	ug/Kg
Carbazole	< 75	U	1800	75	ug/Kg
Di-n-butylphthalate	< 220	U	1800	220	ug/Kg
Fluoranthene	3000		1800	180	ug/Kg
Pyrene	3800		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	1500	J	1800	180	ug/Kg
Chrysene	960	J	1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 280	U	1800	280	ug/Kg
Benzo(b)fluoranthene	1600	J	1800	180	ug/Kg
Benzo(k)fluoranthene	< 480	U	1800	480	ug/Kg
Benzo(a)pyrene	860	J	1800	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002183.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
2-Fluorophenol	184	61 %	25 - 121		SPK: 300
Phenol-d5	187.2	62 %	24 - 113		SPK: 300
Nitrobenzene-d5	123.2	63 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	117.7	59 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	186.8	62 %	19 - 122		SPK: 300
Terphenyl-d14	295.8	148 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	110047	4.54
Naphthalene-d8	456629	6.99
Acenaphthene-d10	231766	10.82
Phenanthrene-d10	421205	14.13
Chrysene-d12	278293	20.15
Perylene-d12	43569	23.19

TENTATIVE IDENTIFIED COMPOUNDS

Hexanal	840	J	1.78	ug/Kg
ACP	950	A	2.01	ug/Kg
ACP	18000	A	2.29	ug/Kg
ACP	1400	A	3.22	ug/Kg
Unknown	1700	J	9.26	ug/Kg
Octadecane, 1-chloro-	530	J	15.65	ug/Kg
Oleic Acid	760	J	15.75	ug/Kg
Glycine, N-methyl-N-(1-oxododecyl)-	660	J	15.85	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04 RE

Client ID: BS-150-4 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001333.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 220	U	4600	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
2,4-Dinitrophenol	< 370	U	4600	370	ug/Kg
4-Nitrophenol	< 200	U	4600	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
Chlorophenyl-phenylether	< 220	U	1800	220	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 440	U	4600	440	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4600	220	ug/Kg
N-Nitrosodiphenylamine	< 370	U	1800	370	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1800	240	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 350	U	4600	350	ug/Kg
Phenanthrene	670	J	1800	180	ug/Kg
Anthracene	< 240	U	1800	240	ug/Kg
Carbazole	< 75	U	1800	75	ug/Kg
Di-n-butylphthalate	< 220	U	1800	220	ug/Kg
Fluoranthene	790	J	1800	180	ug/Kg
Pyrene	1900		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	1100	J	1800	180	ug/Kg
Chrysene	810	J	1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 280	U	1800	280	ug/Kg
Benzo(b)fluoranthene	520	J	1800	180	ug/Kg
Benzo(k)fluoranthene	1300	J	1800	480	ug/Kg
Benzo(a)pyrene	< 280	U	1800	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04 RE

Client ID: BS-150-4 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001333.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 11

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
2-Fluorophenol	176.3	59 %	25 - 121		SPK: 300
Phenol-d5	168.1	56 %	24 - 113		SPK: 300
Nitrobenzene-d5	106.9	53 %	23 - 120		SPK: 200
1,1'-Bi-2-naphthyl	62.8	31 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	86.6	29 %	19 - 122		SPK: 300
Terphenyl-d14	60.8	30 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	88763	6.64			
Naphthalene-d8	385144	8.33			
Acenaphthene-d10	186845	10.19			
Phenanthrene-d10	204855	11.58			
Chrysene-d12	16498	14.36			
Perylene-d12	2636	17.05			

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002184.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 180	U	1800	180	ug/Kg
2,2-Dichloro-1-methoxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 410	U	1800	410	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 680	U	1800	680	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Chloroaniline	< 180	U	4500	180	ug/Kg
1-Methylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	1500	J	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002184.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	< 210	U	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Bromophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	1300	J	1800	180	ug/Kg
Anthracene	370	J	1800	230	ug/Kg
Carbazole	< 73	U	1800	73	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	3500		1800	180	ug/Kg
Pyrene	7600		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	2900		1800	180	ug/Kg
Chrysene	2300		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	6300		1800	180	ug/Kg
Benzo(k)fluoranthene	3000		1800	460	ug/Kg
Benzo(a)pyrene	3200		1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002184.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	U	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	201.3	67 %	25 - 121		SPK: 300
Phenol-d5	228	76 %	24 - 113		SPK: 300
Nitrobenzene-d5	153.2	77 %	23 - 120		SPK: 200
1,2,3,4-tetrabromobiphenyl	155.6	78 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	227.3	76 %	19 - 122		SPK: 300
Terphenyl-d14	393.4	197 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	112081	4.54			
Naphthalene-d8	453595	6.99			
Acenaphthene-d10	217463	10.81			
Phenanthrene-d10	396701	14.12			
Chrysene-d12	222716	20.17			
Perylene-d12	21959	23.22			
TENTATIVE IDENTIFIED COMPOUNDS					
Hexanal	1100	J	1.78		ug/Kg
ACP	1000	A	2.02		ug/Kg
ACP	22000	A	2.29		ug/Kg
ACP	1600	A	3.22		ug/Kg
Glycine, N-methyl-N-(1-oxododecyl)	450	J	15.84		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05 RE

Client ID: BS-154-8 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001767.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dimethylphenol	< 180	U	1800	180	ug/Kg
1,2-Dichloroethoxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3,4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 410	U	1800	410	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 680	U	1800	680	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4500	180	ug/Kg
1,2-Dichlorophthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	1800		1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05 RE

Client ID: BS-154-8 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001767.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	< 210	U	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	240	J	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	1800		1800	180	ug/Kg
Anthracene	700	J	1800	230	ug/Kg
Carbazole	260	J	1800	73	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	3900		1800	180	ug/Kg
Pyrene	5700		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	3600		1800	180	ug/Kg
Chrysene	4000		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	5100		1800	180	ug/Kg
Benzo(k)fluoranthene	4300		1800	460	ug/Kg
Benzo(a)pyrene	4700		1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	1100	J	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05 RE

Client ID: BS-154-8 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001767.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 8

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U 43	1800	270	ug/Kg
Benzo(g,h,i)perylene	1700	J J	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	201.65	67 %	25 - 121		SPK: 300
Phenol-d5	208.6	70 %	24 - 113		SPK: 300
Nitrobenzene-d5	151.9	76 %	23 - 120		SPK: 200
orobiphenyl	191.6	96 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	253	84 %	19 - 122		SPK: 300
Terphenyl-d14	213.8	107 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	98744	8.17			
Naphthalene-d8	323488	10.42			
Acenaphthene-d10	173056	13.70			
Phenanthrene-d10	289528	16.52			
Chrysene-d12	187410	21.59			
Perylene-d12	103967	25.50			

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002186.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 190	U	1800	190	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 180	U	1800	180	ug/Kg
1,2-Dichloroethane	< 180	U	1800	180	ug/Kg
2,2-Dichloropropane	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 190	U	1800	190	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 190	U	1800	190	ug/Kg
2,4-Dimethylphenol	< 400	U	1800	400	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 260	U	1800	260	ug/Kg
4-Chloro-3-methylphenol	< 190	U	1800	190	ug/Kg
2-Methylnaphthalene	550	J	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 670	U	1800	670	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4400	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4400	180	ug/Kg
Dimethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002186.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4400	210	ug/Kg
Acenaphthene	1000	J	1800	210	ug/Kg
2,4-Dinitrophenol	< 350	U	4400	350	ug/Kg
4-Nitrophenol	< 190	U	4400	190	ug/Kg
Dibenzofuran	300	J	1800	180	ug/Kg
2,4-Dinitrotoluene	< 190	U	1800	190	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Bromophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	1500	J	1800	190	ug/Kg
4-Nitroaniline	< 420	U	4400	420	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4400	210	ug/Kg
N-Nitrosodiphenylamine	< 350	U	1800	350	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 190	U	1800	190	ug/Kg
Pentachlorophenol	< 330	U	4400	330	ug/Kg
Phenanthrene	8400		1800	180	ug/Kg
Anthracene	2100		1800	230	ug/Kg
Carbazole	200	J	1800	72	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	5400		1800	180	ug/Kg
Pyrene	14000		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	2400		1800	180	ug/Kg
Chrysene	1500	J	1800	280	ug/Kg
bis(2-Ethylhexyl)phthalate	190	J	1800	180	ug/Kg
Di-n-octyl phthalate	< 260	U	1800	260	ug/Kg
Benzo(b)fluoranthene	3500		1800	180	ug/Kg
Benzo(k)fluoranthene	< 460	U	1800	460	ug/Kg
Benzo(a)pyrene	1500	J	1800	260	ug/Kg
Indeno(1,2,3-cd)pyrene	< 280	U	1800	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002186.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	U	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	212.7	71 %	25 - 121		SPK: 300
Phenol-d5	218.1	73 %	24 - 113		SPK: 300
Nitrobenzene-d5	161.5	81 %	23 - 120		SPK: 200
orobiphenyl	146.4	73 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	230	77 %	19 - 122		SPK: 300
Terphenyl-d14	527.1	264 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	113932	4.54
Naphthalene-d8	467051	6.99
Acenaphthene-d10	234905	10.81
Phenanthrene-d10	423073	14.14
Chrysene-d12	189407	20.18
Perylene-d12	9373	23.21

TENTITIVE IDENTIFIED COMPOUNDS

ACP	1700	A	2.02	ug/Kg
ACP	39000	A	2.31	ug/Kg
ACP	2400	A	3.22	ug/Kg
Naphthalene, 1,5-dimethyl-	930	J	9.94	ug/Kg
Naphthalene, 1,4-dimethyl-	2000	J	10.10	ug/Kg
Benzene, [1-(2,4-cyclopentadien-1-	670	J	12.21	ug/Kg
Fluorene, 2,4a-dihydro-	590	J	12.23	ug/Kg
Phenanthrene, 2-methyl-	600	J	15.30	ug/Kg
Anthracene, 1-methyl-	590	J	15.37	ug/Kg
4-clopenta[def]phenanthrene	590	J	15.51	ug/Kg
Phenanthrene, 9-methyl-	750	J	15.59	ug/Kg
Phenanthrene, 2,5-dimethyl-	570	J	16.59	ug/Kg
11H-Benzo[b]fluorene	1100	J	18.19	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002186.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Pyrene, 4-methyl-	800	J	18.41		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06 RE

Client ID: BS-158-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001766.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 190	U	1800	190	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dimethylphenol	< 180	U	1800	180	ug/Kg
2,6-Dimethylphenol	< 180	U	1800	180	ug/Kg
3,4-Methylphenols	< 320	U	1800	320	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 190	U	1800	190	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 190	U	1800	190	ug/Kg
2,4-Dimethylphenol	< 400	U	1800	400	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	320	J	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 260	U	1800	260	ug/Kg
4-Chloro-3-methylphenol	< 190	U	1800	190	ug/Kg
2-Methylnaphthalene	930	J	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 670	U	1800	670	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4400	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4400	180	ug/Kg
1-Naphthylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06 RE

Client ID: BS-158-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001766.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4400	210	ug/Kg
Acenaphthene	1400	J	1800	210	ug/Kg
2,4-Dinitrophenol	< 350	U	4400	350	ug/Kg
4-Nitrophenol	< 190	U	4400	190	ug/Kg
Dibenzofuran	510	J	1800	180	ug/Kg
2,4-Dinitrotoluene	< 190	U	1800	190	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	2000		1800	190	ug/Kg
4-Nitroaniline	< 420	U	4400	420	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4400	210	ug/Kg
N-Nitrosodiphenylamine	< 350	U	1800	350	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 190	U	1800	190	ug/Kg
Pentachlorophenol	< 330	U	4400	330	ug/Kg
Phenanthrene	6600		1800	180	ug/Kg
Anthracene	2600		1800	230	ug/Kg
Carbazole	340	J	1800	72	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	4700		1800	180	ug/Kg
Pyrene	6600		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	3100		1800	180	ug/Kg
Chrysene	3100		1800	280	ug/Kg
bis(2-Ethylhexyl)phthalate	800	J	1800	180	ug/Kg
Di-n-octyl phthalate	< 160	U	1800	260	ug/Kg
Benzo(b)fluoranthene	2100		1800	180	ug/Kg
Benzo(k)fluoranthene	2100		1800	460	ug/Kg
Benzo(a)pyrene	2300		1800	260	ug/Kg
Indeno(1,2,3-cd)pyrene	440	J	1800	280	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06 RE

Client ID: BS-158-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/6/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001766.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.3

Extract Vol: 1000

Injection Vol: 2

% Moisture: 7

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 270	U	1800	270	ug/Kg
Benzo(g,h,i)perylene	660	J	1800	230	ug/Kg

SURROGATES

2-Fluorophenol	211.5	71 %	25 - 121		SPK: 300
Phenol-d5	213	71 %	24 - 113		SPK: 300
Nitrobenzene-d5	159.6	80 %	23 - 120		SPK: 200
o-cresol	186.9	93 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	254.1	85 %	19 - 122		SPK: 300
Terphenyl-d14	208.4	105 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	128440	8.18
Naphthalene-d8	425110	10.42
Acenaphthene-d10	234434	13.70
Phenanthrene-d10	392580	16.53
Chrysene-d12	275805	21.59
Perylene-d12	153920	25.51

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002185.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,4-Dimethylphenol	< 180	U	1800	180	ug/Kg
1,2-Dichloroethane	< 180	U	1800	180	ug/Kg
1,1,2-Trichloroethane	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 690	U	1800	690	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4500	180	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002185.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	420	J	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	370	J	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	4100		1800	180	ug/Kg
Anthracene	890	J	1800	230	ug/Kg
Carbazole	450	J	1800	74	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	7200		1800	180	ug/Kg
Pyrene	9300		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	3200		1800	180	ug/Kg
Chrysene	2000		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	6000	J	1800	180	ug/Kg
Benzo(k)fluoranthene	2200	J	1800	470	ug/Kg
Benzo(a)pyrene	3000	J	1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002185.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U 43	1800	270	ug/Kg
Benzo(g,h,i)perylene	< 230	U ↓	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	260.4	87 %	25 - 121		SPK: 300
Phenol-d5	250.9	84 %	24 - 113		SPK: 300
Nitrobenzene-d5	161.9	81 %	23 - 120		SPK: 200
1,1'-Biphenyl	161.5	81 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	208.4	69 %	19 - 122		SPK: 300
Terphenyl-d14	446.7	223 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	110821	4.54
Naphthalene-d8	449814	6.99
Acenaphthene-d10	230836	10.82
Phenanthrene-d10	399296	14.14
Chrysene-d12	249966	20.17
Perylene-d12	19078	23.19

TENTITIVE IDENTIFIED COMPOUNDS

Hexanal	1100	J	1.78	ug/Kg
ACP	1900	A	1.99	ug/Kg
ACP	34000	A	2.29	ug/Kg
ACP	2500	A	2.81	ug/Kg
ACP	2200	A	3.22	ug/Kg
4H-Cyclopenta[def]phenanthrene	700	J	15.50	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07 RE

Client ID: BS-160-4 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001334.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2-Methylphenol	< 180	U	1800	180	ug/Kg
1,2-Dimethylphenol	< 180	U	1800	180	ug/Kg
3,4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	< 210	U	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 690	U	1800	690	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4500	180	ug/Kg
Dibenzophthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07 RE

Client ID: BS-160-4 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001334.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	< 210	U	1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Di-n-butylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	3200		1800	180	ug/Kg
Anthracene	340	J	1800	230	ug/Kg
Carbazole	< 74	U	1800	74	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	3800		1800	180	ug/Kg
Pyrene	8300		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	2700		1800	180	ug/Kg
Chrysene	2000		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	2700		1800	180	ug/Kg
Benzo(k)fluoranthene	3100		1800	470	ug/Kg
Benzo(a)pyrene	2000		1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	620	J	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07 RE

Client ID: BS-160-4 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/3/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001334.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U	1800	270	ug/Kg
Benzo(g,h,i)perylene	2900		1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	247.7	83 %	25 - 121		SPK: 300
Phenol-d5	238.3	79 %	24 - 113		SPK: 300
Nitrobenzene-d5	133.3	67 %	23 - 120		SPK: 200
o-cresol	101	50 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	91.8	31 %	19 - 122		SPK: 300
Terphenyl-d14	121.1	61 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	93546	6.65			
Naphthalene-d8	423717	8.33			
Acenaphthene-d10	198355	10.19			
Phenanthrene-d10	158058	11.59			
Chrysene-d12	12227	14.39			
Perylene-d12	1598	17.08			

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001215.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 210	U	1800	210	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 210	U	1800	210	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
2,3-Dimethylphenol	< 180	U	1800	180	ug/Kg
1,2-Dimethylphenol	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 230	U	1800	230	ug/Kg
1,2,4-Trichlorobenzene	< 210	U	1800	210	ug/Kg
Naphthalene	520	J	1800	210	ug/Kg
4-Chloroaniline	< 210	U	1800	210	ug/Kg
Hexachlorobutadiene	< 270	U	1800	270	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 210	U	1800	210	ug/Kg
Hexachlorocyclopentadiene	< 690	U	1800	690	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4500	180	ug/Kg
2-Chloronaphthalene	< 210	U	1800	210	ug/Kg
2-Nitroaniline	< 180	U	4500	180	ug/Kg
Dibenzylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 210	U	1800	210	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001215.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 210	U	4500	210	ug/Kg
Acenaphthene	2900		1800	210	ug/Kg
2,4-Dinitrophenol	< 360	U	4500	360	ug/Kg
4-Nitrophenol	< 200	U	4500	200	ug/Kg
Dibenzofuran	940	J	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
4-Bromophenyl-phenylether	< 210	U	1800	210	ug/Kg
Fluorene	2100		1800	200	ug/Kg
4-Nitroaniline	< 430	U	4500	430	ug/Kg
4,6-Dinitro-2-methylphenol	< 210	U	4500	210	ug/Kg
N-Nitrosodiphenylamine	< 360	U	1800	360	ug/Kg
4-Bromophenyl-phenylether	< 230	U	1800	230	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 340	U	4500	340	ug/Kg
Phenanthrene	60000 29000 E		1800	180	ug/Kg
Anthracene	6200		1800	230	ug/Kg
Carbazole	2300		1800	74	ug/Kg
Di-n-butylphthalate	< 210	U	1800	210	ug/Kg
Fluoranthene	69000 30000 E		1800	180	ug/Kg
Pyrene	67000 30000 E		1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	13000		1800	180	ug/Kg
Chrysene	12000		1800	290	ug/Kg
bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 270	U	1800	270	ug/Kg
Benzo(b)fluoranthene	8000		1800	180	ug/Kg
Benzo(k)fluoranthene	14000		1800	470	ug/Kg
Benzo(a)pyrene	8900		1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	900	J	1800	290	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001215.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 270	U R	1800	270	ug/Kg
Benzo(g,h,i)perylene	6700	J	1800	230	ug/Kg
SURROGATES					
2-Fluorophenol	240.6	80 %	25 - 121		SPK: 300
Phenol-d5	251.8	84 %	24 - 113		SPK: 300
Nitrobenzene-d5	163.2	82 %	23 - 120		SPK: 200
orobiphenyl	144.9	72 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	205.6	69 %	19 - 122		SPK: 300
Terphenyl-d14	328.4	164 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	143047	6.74			
Naphthalene-d8	523793	8.42			
Acenaphthene-d10	287513	10.29			
Phenanthrene-d10	532073	11.72			
Chrysene-d12	126892	14.60			
Perylene-d12	10838	17.41			
TENTITIVE IDENTIFIED COMPOUNDS					
ACP	36000	A	4.28		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08 DL

Client ID: BS-164-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002210.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 1800	U	18000	1800	ug/Kg
bis(2-Chloroethyl)ether	< 2100	U	18000	2100	ug/Kg
2-Chlorophenol	< 2000	U	18000	2000	ug/Kg
1,2-Dichlorobenzene	< 1800	U	18000	1800	ug/Kg
1,3-Dichlorobenzene	< 2100	U	18000	2100	ug/Kg
1,4-Dichlorobenzene	< 1800	U	18000	1800	ug/Kg
2-Ethylphenol	< 1800	U	18000	1800	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 1800	U	18000	1800	ug/Kg
3+4-Methylphenols	< 3300	U	18000	3300	ug/Kg
N-Nitroso-di-n-propylamine	< 1800	U	18000	1800	ug/Kg
Hexachloroethane	< 2000	U	18000	2000	ug/Kg
Nitrobenzene	< 1800	U	18000	1800	ug/Kg
Isophorone	< 1800	U	18000	1800	ug/Kg
2-Nitrophenol	< 2000	U	18000	2000	ug/Kg
2,4-Dimethylphenol	< 4200	U	18000	4200	ug/Kg
bis(2-Chloroethoxy)methane	< 1800	U	18000	1800	ug/Kg
2,4-Dichlorophenol	< 2300	U	18000	2300	ug/Kg
1,2,4-Trichlorobenzene	< 2100	U	18000	2100	ug/Kg
Naphthalene	< 2100	U	18000	2100	ug/Kg
4-Chloroaniline	< 2100	U	18000	2100	ug/Kg
Hexachlorobutadiene	< 2700	U	18000	2700	ug/Kg
4-Chloro-3-methylphenol	< 2000	U	18000	2000	ug/Kg
2-Methylnaphthalene	< 2100	U	18000	2100	ug/Kg
Hexachlorocyclopentadiene	< 6900	U	18000	6900	ug/Kg
2,4,6-Trichlorophenol	< 1800	U	18000	1800	ug/Kg
2,4,5-Trichlorophenol	< 1800	U	45000	1800	ug/Kg
2-Chloronaphthalene	< 2100	U	18000	2100	ug/Kg
2-Nitroaniline	< 1800	U	45000	1800	ug/Kg
Dimethylphthalate	< 1800	U	18000	1800	ug/Kg
Acenaphthylene	< 2100	U	18000	2100	ug/Kg
2,6-Dinitrotoluene	< 1800	U	18000	1800	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08 DL

Client ID: BS-164-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002210.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 2100	U	45000	2100	ug/Kg
Acenaphthene	3600	JD	18000	2100	ug/Kg
2,4-Dinitrophenol	< 3600	U	45000	3600	ug/Kg
4-Nitrophenol	< 2000	U	45000	2000	ug/Kg
Dibenzofuran	< 1800	U	18000	1800	ug/Kg
2,4-Dinitrotoluene	< 2000	U	18000	2000	ug/Kg
Di-n-butylphthalate	< 1800	U	18000	1800	ug/Kg
4-Bromophenyl-phenylether	< 2100	U	18000	2100	ug/Kg
Fluorene	2800	JD	18000	2000	ug/Kg
4-Nitroaniline	< 4300	U	45000	4300	ug/Kg
4,6-Dinitro-2-methylphenol	< 2100	U	45000	2100	ug/Kg
N-Nitrosodiphenylamine	< 3600	U	18000	3600	ug/Kg
4-Bromophenyl-phenylether	< 2300	U	18000	2300	ug/Kg
Hexachlorobenzene	< 2000	U	18000	2000	ug/Kg
Pentachlorophenol	< 3400	U	45000	3400	ug/Kg
Phenanthrene	29000	D	18000	1800	ug/Kg
Anthracene	5400	JD	18000	2300	ug/Kg
Carbazole	3200	JD	18000	740	ug/Kg
Di-n-butylphthalate	< 2100	U	18000	2100	ug/Kg
Fluoranthene	30000	D	18000	1800	ug/Kg
Pyrene	30000	D	18000	1800	ug/Kg
Butylbenzylphthalate	< 1800	U	18000	1800	ug/Kg
3,3'-Dichlorobenzidine	< 1800	U	18000	1800	ug/Kg
Benzo(a)anthracene	11000	JD	18000	1800	ug/Kg
Chrysene	7700	JD	18000	2900	ug/Kg
bis(2-Ethylhexyl)phthalate	< 1800	U	18000	1800	ug/Kg
Di-n-octyl phthalate	< 2700	U	18000	2700	ug/Kg
Benzo(b)fluoranthene	10000	JD	18000	1800	ug/Kg
Benzo(k)fluoranthene	5600	JD	18000	4700	ug/Kg
Benzo(a)pyrene	6800	JD	18000	2700	ug/Kg
Indeno(1,2,3-cd)pyrene	< 2900	U	18000	2900	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08 DL

Client ID: BS-164-8 DL

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BB002210.D

Dilution: 50

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.1

Extract Vol: 1000

Injection Vol: 2

% Moisture: 9

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 2700	U	18000	2700	ug/Kg
Benzo(g,h,i)perylene	< 2300	U	18000	2300	ug/Kg

SURROGATES

2-Fluorophenol	252.5	84 %	25 - 121		SPK: 300
Phenol-d5	229.5	77 %	24 - 113		SPK: 300
Nitrobenzene-d5	162	81 %	23 - 120		SPK: 200
2-Chlorobiphenyl	168.5	84 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	207	69 %	19 - 122		SPK: 300
Terphenyl-d14	341	171 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	91805	4.55
Naphthalene-d8	381394	6.98
Acenaphthene-d10	196669	10.80
Phenanthrene-d10	357366	14.13
Chrysene-d12	271913	20.15
Perylene-d12	66703	23.18

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID: BS-168-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001214.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 190	U	1900	190	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1900	220	ug/Kg
2-Chlorophenol	< 210	U	1900	210	ug/Kg
1,2-Dichlorobenzene	< 190	U	1900	190	ug/Kg
1,3-Dichlorobenzene	< 220	U	1900	220	ug/Kg
1,4-Dichlorobenzene	< 190	U	1900	190	ug/Kg
2,4-Dimethylphenol	< 190	U	1900	190	ug/Kg
2,2-Dimethoxybis(1-chloropropane)	< 190	U	1900	190	ug/Kg
3+4-Methylphenols	< 340	U	1900	340	ug/Kg
N-Nitroso-di-n-propylamine	< 190	U	1900	190	ug/Kg
Hexachloroethane	< 210	U	1900	210	ug/Kg
Nitrobenzene	< 190	U	1900	190	ug/Kg
Isophorone	< 190	U	1900	190	ug/Kg
2-Nitrophenol	< 210	U	1900	210	ug/Kg
2,4-Dimethylphenol	< 430	U	1900	430	ug/Kg
bis(2-Chloroethoxy)methane	< 190	U	1900	190	ug/Kg
2,4-Dichlorophenol	< 240	U	1900	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1900	220	ug/Kg
Naphthalene	< 220	U	1900	220	ug/Kg
4-Chloroaniline	< 220	U	1900	220	ug/Kg
Hexachlorobutadiene	< 280	U	1900	280	ug/Kg
4-Chloro-3-methylphenol	< 210	U	1900	210	ug/Kg
2-Methylnaphthalene	< 220	U	1900	220	ug/Kg
Hexachlorocyclopentadiene	< 720	U	1900	720	ug/Kg
2,4,6-Trichlorophenol	< 190	U	1900	190	ug/Kg
2,4,5-Trichlorophenol	< 190	U	4700	190	ug/Kg
2-Chloronaphthalene	< 220	U	1900	220	ug/Kg
2-Nitroaniline	< 190	U	4700	190	ug/Kg
1-Methylphthalate	< 190	U	1900	190	ug/Kg
Acenaphthylene	< 220	U	1900	220	ug/Kg
2,6-Dinitrotoluene	< 190	U	1900	190	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID:

BS-168-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix:

SOIL

Date Extracted: 6/26/02

File ID:

BA001214.D

Dilution: 5

Instrument ID:

5971A

Analytical Method: 8270

Analytical Run ID:

5

Sample Wt/Wol: 30.2

Extract Vol:

1000

Injection Vol: 2

% Moisture:

13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 220	U	4700	220	ug/Kg
Acenaphthene	280	J	1900	220	ug/Kg
2,4-Dinitrophenol	< 380	U	4700	380	ug/Kg
4-Nitrophenol	< 210	U	4700	210	ug/Kg
Dibenzofuran	< 190	U	1900	190	ug/Kg
2,4-Dinitrotoluene	< 210	U	1900	210	ug/Kg
n-Butylphthalate	< 190	U	1900	190	ug/Kg
4-Bromophenyl-phenylether	< 220	U	1900	220	ug/Kg
Fluorene	340	J	1900	210	ug/Kg
4-Nitroaniline	< 450	U	4700	450	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4700	220	ug/Kg
N-Nitrosodiphenylamine	< 380	U	1900	380	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1900	240	ug/Kg
Hexachlorobenzene	< 210	U	1900	210	ug/Kg
Pentachlorophenol	< 360	U	4700	360	ug/Kg
Phenanthrene	6100		1900	190	ug/Kg
Anthracene	910	J	1900	240	ug/Kg
Carbazole	460	J	1900	77	ug/Kg
Di-n-butylphthalate	< 220	U	1900	220	ug/Kg
Fluoranthene	8900		1900	190	ug/Kg
Pyrene	8400		1900	190	ug/Kg
Butylbenzylphthalate	< 190	U	1900	190	ug/Kg
3,3'-Dichlorobenzidine	< 190	U	1900	190	ug/Kg
Benzo(a)anthracene	3200		1900	190	ug/Kg
Chrysene	3100		1900	300	ug/Kg
bis(2-Ethylhexyl)phthalate	< 190	U	1900	190	ug/Kg
Di-n-octyl phthalate	< 280	U	1900	280	ug/Kg
Benzo(b)fluoranthene	2800		1900	190	ug/Kg
Benzo(k)fluoranthene	3400		1900	490	ug/Kg
Benzo(a)pyrene	2600		1900	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 300	U	1900	300	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID: BS-168-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BA001214.D

Dilution: 5

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 5

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1900	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1900	240	ug/Kg
SURROGATES					
2-Fluorophenol	224.1	75 %	25 - 121		SPK: 300
Phenol-d5	230.4	77 %	24 - 113		SPK: 300
Nitrobenzene-d5	152.3	76 %	23 - 120		SPK: 200
1,2-Dibromobiphenyl	132.8	66 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	239.7	80 %	19 - 122		SPK: 300
Terphenyl-d14	270	135 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	140245	6.74			
Naphthalene-d8	501169	8.42			
Acenaphthene-d10	262803	10.29			
Phenanthrene-d10	639433	11.70			
Chrysene-d12	121507	14.59			
Perylene-d12	15118	17.40			
TENTATIVE IDENTIFIED COMPOUNDS					
ACP	31000	A	4.27		ug/Kg
ACP	970	A	5.33		ug/Kg
4H-Cyclopenta[def]phenanthrene	430	J	12.31		ug/Kg
1,6-Octadiene, 3,5-dimethyl-, trans-	3800	J	16.12		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09 RE

Client ID: BS-168-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/8/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001819.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 190	U	1900	190	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1900	220	ug/Kg
2-Chlorophenol	< 210	U	1900	210	ug/Kg
1,2-Dichlorobenzene	< 190	U	1900	190	ug/Kg
1,3-Dichlorobenzene	< 220	U	1900	220	ug/Kg
1,4-Dichlorobenzene	< 190	U	1900	190	ug/Kg
2,4-Dichlorophenol	< 190	U	1900	190	ug/Kg
2,2'-oxybis(1-chloropropane)	< 190	U	1900	190	ug/Kg
3+4-Methylphenols	< 340	U	1900	340	ug/Kg
N-Nitroso-di-n-propylamine	< 190	U	1900	190	ug/Kg
Hexachloroethane	< 210	U	1900	210	ug/Kg
Nitrobenzene	< 190	U	1900	190	ug/Kg
Isophorone	< 190	U	1900	190	ug/Kg
2-Nitrophenol	< 210	U	1900	210	ug/Kg
2,4-Dimethylphenol	< 430	U	1900	430	ug/Kg
bis(2-Chloroethoxy)methane	< 190	U	1900	190	ug/Kg
2,4-Dichlorophenol	< 240	U	1900	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1900	220	ug/Kg
Naphthalene	320	J	1900	220	ug/Kg
4-Chloroaniline	< 220	U	1900	220	ug/Kg
Hexachlorobutadiene	< 280	U	1900	280	ug/Kg
4-Chloro-3-methylphenol	< 210	U	1900	210	ug/Kg
2-Methylnaphthalene	< 220	U	1900	220	ug/Kg
Hexachlorocyclopentadiene	< 720	U	1900	720	ug/Kg
2,4,6-Trichlorophenol	< 190	U	1900	190	ug/Kg
2,4,5-Trichlorophenol	< 190	U	4700	190	ug/Kg
2-Chloronaphthalene	< 220	U	1900	220	ug/Kg
2-Chloroaniline	< 190	U	4700	190	ug/Kg
Dinitrophenol	< 190	U	1900	190	ug/Kg
Acenaphthylene	< 220	U	1900	220	ug/Kg
2,6-Dinitrotoluene	< 190	U	1900	190	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09 RE

Client ID: BS-168-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/8/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001819.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 220	U	4700	220	ug/Kg
Acenaphthene	780	J	1900	220	ug/Kg
2,4-Dinitrophenol	< 380	U	4700	380	ug/Kg
4-Nitrophenol	< 210	U	4700	210	ug/Kg
Dibenzofuran	450	J	1900	190	ug/Kg
2,4-Dinitrotoluene	< 210	U	1900	210	ug/Kg
Diethylphthalate	< 190	U	1900	190	ug/Kg
4-Chlorophenyl-phenylether	< 220	U	1900	220	ug/Kg
Fluorene	850	J	1900	210	ug/Kg
4-Nitroaniline	< 450	U	4700	450	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4700	220	ug/Kg
N-Nitrosodiphenylamine	< 380	U	1900	380	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1900	240	ug/Kg
Hexachlorobenzene	< 210	U	1900	210	ug/Kg
Pentachlorophenol	< 360	U	4700	360	ug/Kg
Phenanthrene	5500		1900	190	ug/Kg
Anthracene	1700	J	1900	240	ug/Kg
Carbazole	860	J	1900	77	ug/Kg
Di-n-butylphthalate	< 220	U	1900	220	ug/Kg
Fluoranthene	7200		1900	190	ug/Kg
Pyrene	6800		1900	190	ug/Kg
Butylbenzylphthalate	< 190	U	1900	190	ug/Kg
3,3'-Dichlorobenzidine	< 190	U	1900	190	ug/Kg
Benzo(a)anthracene	4300		1900	190	ug/Kg
Chrysene	4400		1900	300	ug/Kg
bis(2-Ethylhexyl)phthalate	330	J	1900	190	ug/Kg
Di-n-octyl phthalate	< 280	U	1900	280	ug/Kg
Benzo(b)fluoranthene	4600		1900	190	ug/Kg
Benzo(k)fluoranthene	2300		1900	490	ug/Kg
Benzo(a)pyrene	3600		1900	280	ug/Kg
Indeno(1,2,3-cd)pyrene	1800	J	1900	300	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09 RE

Client ID: BS-168-12 RE

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/8/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: BC001819.D

Dilution: 5

Instrument ID: 5970C

Analytical Method: 8270

Analytical Run ID: 3

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 13

Associated Blank: PB062602-10B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1900	280	ug/Kg
Benzo(g,h,i)perylene	1800	J	1900	240	ug/Kg
SURROGATES					
2-Fluorophenol	196.2	65 %	25 - 121		SPK: 300
Phenol-d5	207.5	69 %	24 - 113		SPK: 300
Nitrobenzene-d5	143.9	72 %	23 - 120		SPK: 200
Fluorobiphenyl	184.85	92 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	269.5	90 %	19 - 122		SPK: 300
Terphenyl-d14	180.1	90 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	92284	8.13			
Naphthalene-d8	306737	10.37			
Acenaphthene-d10	184463	13.65			
Phenanthrene-d10	320089	16.46			
Chrysene-d12	292086	21.53			
Perylene-d12	268643	25.39			

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 11, 2002

Laboratory Project: P3098

Analytical parameters: PCBs by method 8082- SW846

Sample (s) Taken: June 18 & 19, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-14 0'-4'	BS-19 8'-12'
	BS-14 4'-8'	BS-20 0'-4'
	BS-14 8'-12'	BS-20 4'-8'
	BS-15 0'-4'	BS-20 8'-12'
	BS-15 4'-8'	BS-20 4'-8'DUP
	BS-15 8'-12'	BS-20 4'-8'MS
	BS-16 0'-4'	BS-20 4'-8'MSD
	BS-16 4'-8'	BS-21 0'-4'
	BS-16 8'-12'	BS-21 4'-8'
	BS-18 0'-4'	BS-21 8'-12'
	BS-18 4'-8'	RINSE BLANK
	BS-19 0'-4'	
	BS-19 4'-8'	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8082, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	☒ Yes	No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	Yes	☒ No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	☒ No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	☒ No	NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answer ed for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

The following samples were diluted before analysis due to sample matrix:

BS-14 0'-4'	BS-16 0'-4'
BS-20 8'-12'	BS-20 4'-8'DUP
BS-21 0'-4'	BS-21 8'-12'

The surrogate recoveries for the following samples were not within acceptance limits. The recoveries are bias high due to co-eluting interferences. The following samples are flagged with "J" qualifier:

BS-14 4'-8'	BS-21 0'-4'

The matrix spike did not meet QC requirements due to matrix interference. The matrix spike duplicate did meet QC requirements. No action is taken based on the MS/MSD alone.

The field duplicate sample results did not meet QC requirements. The samples for MS/MSD and Duplicate were field sampled. The non-homogeneous nature of the soil sample is the suspected cause, duplicate results should be considered estimated concentrations.

Non-detected analytes do not require qualification.

All other data meet requirements. All data is usable.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-01

Client ID: BS-140-4

Date Collected: 6/19/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7285.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 56	U	180	56	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 86	U	180	86	ug/Kg
AROCLOR 1242	< 24	U	180	24	ug/Kg
AROCLOR 1248	< 59	U	180	59	ug/Kg
AROCLOR 1254	< 110	U	180	110	ug/Kg
AROCLOR 1260	450		180	21	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	16.5	83 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.5	93 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-02

Client ID: BS-144-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7257.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	58	P	18	2.1	ug/Kg
SURROGATES					
chloro-m-xylene	13.23	66 %	24 - 151		SPK: 20
Decachlorobiphenyl	43.86	219 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-03

Client ID: BS-148-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/27/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: 4PC7258.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 3.0

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.3	U	17	5.3	ug/Kg
AROCLOR 1221	< 1.3	U	17	1.3	ug/Kg
AROCLOR 1232	< 8.1	U	17	8.1	ug/Kg
AROCLOR 1242	< 2.2	U	17	2.2	ug/Kg
AROCLOR 1248	< 5.6	U	17	5.6	ug/Kg
AROCLOR 1254	< 11	U	17	11	ug/Kg
AROCLOR 1260	57	5	17	2.0	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.43	87 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.75	79 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

DG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-04

Client ID: BS-150-4

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 11.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7259.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.8	U	19	8.8	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	220		19	2.2	ug/Kg
ROGATES					
1,2-dichloro-m-xylene	17.72	89 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.07	90 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-05

Client ID: BS-154-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 8.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7260.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	18	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	18	6.0	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.2	U	18	2.2	ug/Kg
SEMIPROGATES					
1,2-dichloro-m-xylene	13.29	66 %	24 - 151		SPK: 20
Decachlorobiphenyl	27.61	138 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-06

Client ID: BS-158-12

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7261.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	340		18	2.1	ug/Kg
CO-PROGATES					
Heptachloro-m-xylene	17.24	86 %	24 - 151		SPK: 20
Decachlorobiphenyl	22.42	112 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-07

Client ID: BS-160-4

Date Collected: 6/19/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7292.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 56	U	180	56	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 87	U	180	87	ug/Kg
AROCLOR 1242	< 24	U	180	24	ug/Kg
AROCLOR 1248	< 60	U	180	60	ug/Kg
AROCLOR 1254	< 110	U	180	110	ug/Kg
AROCLOR 1260	490		180	22	ug/Kg
SUBROGATES					
chloro-m-xylene	16.9	85 %	24 - 151		SPK: 20
Decachlorobiphenyl	23.8	119 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-08

Client ID: BS-164-8

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 9.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7263.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	18	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	18	6.0	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	92		18	2.2	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.75	89 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.66	78 %	24 - 151		SPK: 20

PCB
SW-846

IDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-09

Client ID: BS-168-12

Date Collected: 6/19/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 13.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7264.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.9	U	19	5.9	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 9.1	U	19	9.1	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.3	U	19	6.3	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	120		19	2.3	ug/Kg
PROGATES					
Decachloro-m-xylene	16.26	81 %	24 - 151		SPK: 20
Decachlorobiphenyl	22.41	112 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-10

Client ID: BS-180-4

Date Collected: 6/18/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 12.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7265.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.9	U	19	5.9	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 9.1	U	19	9.1	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.2	U	19	6.2	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	< 2.3	U	19	2.3	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	17.96	90 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.78	99 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

WDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-11

Client ID: BS-184-8

Date Collected: 6/18/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 10.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7266.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.8	U	19	8.8	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	19	6.0	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	46	P	19	2.2	ug/Kg
STROGATES					
1,2-dichloro-m-xylene	13.97	70 %	24 - 151		SPK: 20
Decachlorobiphenyl	25.49	127 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-12

Client ID: BS-190-4

Date Collected: 6/18/02

Date Analyzed: 6/27/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 14.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7267.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 6.0	U	20	6.0	ug/Kg
AROCLOR 1221	< 1.5	U	20	1.5	ug/Kg
AROCLOR 1232	< 9.2	U	20	9.2	ug/Kg
AROCLOR 1242	< 2.5	U	20	2.5	ug/Kg
AROCLOR 1248	< 6.3	U	20	6.3	ug/Kg
AROCLOR 1254	130		20	12	ug/Kg
AROCLOR 1260	< 2.3	U	20	2.3	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	20.79	104 %	24 - 151		SPK: 20
Decachlorobiphenyl	19.78	99 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-13

Client ID: BS-194-8

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7271.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	150		18	2.2	ug/Kg
SURROGATES					
1-chloro-m-xylene	16.68	83 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.85	69 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

LDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-14

Client ID: BS-198-12

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/26/02

File ID: 4PC7272.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 10.0

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	19	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	19	1.4	ug/Kg
AROCLOR 1232	< 8.8	U	19	8.8	ug/Kg
AROCLOR 1242	< 2.4	U	19	2.4	ug/Kg
AROCLOR 1248	< 6.1	U	19	6.1	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	68		19	2.2	ug/Kg
STUDY ROGATES					
1,2-dichloro-m-xylene	18.73	94 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.18	81 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-15

Client ID: BS-200-4

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 5.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7273.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SEMIPROGATES					
1,2-dichloro-m-xylene	17.47	87 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.88	69 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-16

Client ID: BS-204-8

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 5.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7274.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.4	U	18	5.4	ug/Kg
AROCLOR 1221	< 1.3	U	18	1.3	ug/Kg
AROCLOR 1232	< 8.3	U	18	8.3	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.7	U	18	5.7	ug/Kg
AROCLOR 1254	280		18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
Decachloro-m-xylene	19.18	96 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.29	81 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-17

Client ID: BS-208-12

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7293.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 55	U	180	55	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 84	U	180	84	ug/Kg
AROCLOR 1242	< 23	U	180	23	ug/Kg
AROCLOR 1248	< 58	U	180	58	ug/Kg
AROCLOR 1254	1400		180	110	ug/Kg
AROCLOR 1260	< 21	U	180	21	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	23.1	116 %	24 - 151		SPK: 20
Decachlorobiphenyl	26	130 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-18

Client ID: BS-204-8DUP

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7294.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 55	U	180	55	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 85	U	180	85	ug/Kg
AROCLOR 1242	< 23	U	180	23	ug/Kg
AROCLOR 1248	< 58	U	180	58	ug/Kg
AROCLOR 1254	520		180	110	ug/Kg
AROCLOR 1260	< 21	U	180	21	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	21.5	108 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.2	91 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-21

Client ID: BS-210-4

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 8.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7295.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 56	U	180	56	ug/Kg
AROCLOR 1221	< 14	U	180	14	ug/Kg
AROCLOR 1232	< 86	U	180	86	ug/Kg
AROCLOR 1242	< 24	U	180	24	ug/Kg
AROCLOR 1248	< 59	U	180	59	ug/Kg
AROCLOR 1254	680	U	180	110	ug/Kg
AROCLOR 1260	< 21	U	180	21	ug/Kg
SURROGATES					
1,2,4-trichloro-m-xylene	18.4	92 %	24 - 151		SPK: 20
Decachlorobiphenyl	38.2	191 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB

SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-22

Client ID: BS-214-8

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 1

Analytical Method: 8082

% Moisture: 12.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7278.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.9	U	19	5.9	ug/Kg
AROCLOR 1221	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1232	< 9.0	U	19	9.0	ug/Kg
AROCLOR 1242	< 2.5	U	19	2.5	ug/Kg
AROCLOR 1248	< 6.2	U	19	6.2	ug/Kg
AROCLOR 1254	< 12	U	19	12	ug/Kg
AROCLOR 1260	47		19	2.3	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	16.26	81 %	24 - 151		SPK: 20
Decachlorobiphenyl	15.1	76 %	24 - 151		SPK: 20

PCB
SW-846

IDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-23

Client ID: BS-218-12

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/26/02

Dilution: 10

Analytical Method: 8082

% Moisture: 10.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7296.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062602-09 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 57	U	190	57	ug/Kg
AROCLOR 1221	< 14	U	190	14	ug/Kg
AROCLOR 1232	< 87	U	190	87	ug/Kg
AROCLOR 1242	< 24	U	190	24	ug/Kg
AROCLOR 1248	< 60	U	190	60	ug/Kg
AROCLOR 1254	3200		190	120	ug/Kg
AROCLOR 1260	< 22	U	190	22	ug/Kg
SURROGATES					
1,2-dichloro-m-xylene	16.5	83 %	24 - 151		SPK: 20
Decachlorobiphenyl	21	105 %	24 - 151		SPK: 20

Chemtech Consulting Group

PCB
SW-846

SDG No.: P3098-01

Client: MAC Consultants, Inc.

Sample ID: P3098-25

Client ID: RINSEBLANK

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/25/02

Dilution: 1

Analytical Method: 8082

% Moisture: 100.0

Date Received: 6/21/02

Matrix: WATER

File ID: 4PC7284.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062702-15 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 0.24	U	0.50	0.24	ug/L
AROCLOR 1221	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1232	< 0.090	U	0.50	0.090	ug/L
AROCLOR 1242	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1248	< 0.12	U	0.50	0.12	ug/L
AROCLOR 1254	< 0.050	U	0.50	0.050	ug/L
AROCLOR 1260	< 0.010	U	0.50	0.010	ug/L
SURROGATES					
1,2-dichloro-m-xylene	26.91	135 %	24 - 151		SPK: 20
Decachlorobiphenyl	16.18	81 %	24 - 151		SPK: 20

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

Prepared By: Carole Collins

Laboratory Name: Chemtech

Date: August 11, 2002

Laboratory Project #: P3098

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil

Client Sample ID: BS-14 0'-4'
 BS-14 4'-8'
 BS-14 8'-12'
 BS-15 0'-4'
 BS-15 4'-8'
 BS-15 8'-12'
 BS-16 0'-4'
 BS-16 4'-8'
 BS-16 8'-12'

Analytical Parameters: TAL Metals and Mercury

The DUSR was prepared by reviewing and evaluating the analytical data per the Region II guidelines from USEPA, Revision II/January 92 Inorganics analysis and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter (metals, mercury, cyanide)?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % solids greater than 50% for all soils samples?	<u>Yes</u>	No	NA
9. Were preparation log/distillation log provided for all the analytes?	<u>Yes</u>	No	NA
10. Did the preservation/distillation log include all the information about weight/volume and preparation date(s)?	<u>Yes</u>	No	NA
11. Were there raw data included for all the analytes?	<u>Yes</u>	No	NA
12. Were the instrument(s) calibrated correctly using proper standards?	<u>Yes</u>	No	NA
13. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
14. Were the initial and continuing calibration within the acceptance criteria?	<u>Yes</u>	No	NA
15. Were CRDL standard(s) run at the beginning and end of each run?	<u>Yes</u>	No	NA
16. Were percent recoveries (%R) for CRDL standard within the acceptance criteria?	<u>Yes</u>	No	NA
17. Were the calibration blanks less than CRDL?	<u>Yes</u>	No	NA
18. Were the preparation blanks free of contaminants?	<u>Yes</u>	No	NA
19. Were the field blank free of contaminants?	<u>Yes</u>	No	<u>NA</u>
20. Were ICP Interference Check Samples (ICS) analyzed at the beginning and end of each ICP run?	<u>Yes</u>	No	NA
21. Were percent recoveries (%R) for ICS within the acceptance criteria?	Yes	No	NA
22. Was the matrix spike (MS) analysis performed at the required frequency?	<u>Yes</u>	No	NA
23. Did the MS meet the percent recovery (%R) criteria?	Yes	<u>No</u>	NA
24. Was the post digestion spike sample analysis performed when required?	<u>Yes</u>	No	NA
25. Was the laboratory duplicate analysis performed at the required frequency?	<u>Yes</u>	No	NA

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3098

26. Did the duplicate analysis meet the Relative Percent Difference (RPD) acceptance criteria?	Yes	☒ No	NA
27. Did the results for any field duplicate samples meet expected precision requirements?	Yes	No	☒ NA
28. Was the Laboratory Control Sample analysis performed for each matrix and analysis at the required frequency?	☒ Yes	No	NA
29. Did the LCS meet the percent recovery (%R) criteria?	☒ Yes	No	NA
30. Was ICP Serial Dilution analysis performed at the required frequency?	☒ Yes	No	NA
31. Did the ICP serial dilution analysis meet the percent difference (%D) criteria?	Yes	☒ No	NA
32. Was proper quantitation procedure followed for Method of Standard Addition (MSA) analysis?	Yes	No	☒ NA
33. Was coefficient of correlation greater than 0.0995 for MSA analysis?	Yes	No	☒ NA
34. Were there any analysis performed for dissolved as total analysis?	Yes	No	☒ NA
35. Was the concentration of any dissolved analyte greater than its total concentration by 10%?	Yes	No	☒ NA
36. Did the laboratory submit Instrument Detection Limit (IDL), ICP linear ranges and ICP Interelement Correction Factors?	☒ Yes	No	NA
37. Were dilutions made appropriately when required?	☒ Yes	No	NA
38. No discrepancies were noted when review of raw data (instrument printouts) was performed.	☒ Yes	No	NA
39. Were results reported in correct units and soil samples corrected for % solid?	☒ Yes	No	NA

If NO for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3098

COMMENTS:

The recoveries for the MS and MSD did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. Samples associated with the spike sample are flagged with "N" qualifier for:

Magnesium.

The Duplicates did not meet QC criteria for the following metals. The non-homogenous nature of the soil sample is the suspected cause, duplicate sample results should be considered estimated concentrations. The samples are field duplicates. The samples associated with the duplicate sample are flagged with an "*" for:

Mercury

Iron

Serial Dilution did not meet QC requirements for the following metals. A chemical or physical interference effect must be suspected. The samples associated with the serial dilution are flagged with an "E" qualifier for:

Copper
Zinc

Potassium

The analytes are flagged with "J" qualifier.

The samples for MS/MSD and Duplicate were field sampled. The non-homogeneous nature of soil samples is suspect.

All other QC requirements were met. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date: 3/16/02

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-01

Client ID: BS-140-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 93

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6260	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.51	mg/Kg	U		P	0.51	P2	P260621
7440-38-2	Arsenic	5.0	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	59.4	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.24	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	6280	mg/Kg			P	0.71	P2	P260621
7440-47-3	Chromium	10.3	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	3.3	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	12.4	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	8640	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	26.5	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	3170	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	134	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.06	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	5.1	mg/Kg			P	0.19	P2	P260621
7440-09-7	Potassium	320	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.61	mg/Kg			P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	115	mg/Kg	B		P	38.0	P2	P260621
7440-28-0	Thallium	0.58	mg/Kg	U		P	0.58	P2	P260621
7440-62-2	Vanadium	14.7	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	41.9	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-02

Client ID: BS-144-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 94

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	2720	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.50	mg/Kg	U		P	0.50	P2	P260621
7440-38-2	Arsenic	2.3	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	28.2	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.15	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	17300	mg/Kg			P	0.70	P2	P260621
7440-47-3	Chromium	6.1	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	1.7	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	8.8	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	4080	mg/Kg		*	P	1.8	P2	P260621
7439-92-1	Lead	24.6	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	2350	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	87.4	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.07	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.2	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	294	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.32	mg/Kg	U		P	0.32	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	226	mg/Kg	B		P	37.6	P2	P260621
7440-28-0	Thallium	0.57	mg/Kg	U		P	0.57	P2	P260621
7440-62-2	Vanadium	6.2	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	47.2	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc. SDG No.: P3098 Method Type: SW846

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-03

Client ID: BS-148-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 97

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3220	mg/Kg			P	0.75	P2	P260621
7440-36-0	Antimony	0.48	mg/Kg	U		P	0.48	P2	P260621
7440-38-2	Arsenic	2.4	mg/Kg			P	0.29	P2	P260621
7440-39-3	Barium	15.5	mg/Kg	B		P	0.08	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	7830	mg/Kg			P	0.68	P2	P260621
7440-47-3	Chromium	8.9	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.0	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	5.5	mg/Kg		E	P	0.09	P2	P260621
7439-89-6	Iron	6900	mg/Kg		*	P	1.8	P2	P260621
7439-92-1	Lead	10.6	mg/Kg			P	0.22	P2	P260621
7439-95-4	Magnesium	1230	mg/Kg		N	P	0.98	P2	P260621
7439-96-5	Manganese	97.0	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.10	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.4	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	291	mg/Kg	B	E	P	2.1	P2	P260621
7782-49-2	Selenium	0.31	mg/Kg	U		P	0.31	P2	P260621
7440-22-4	Silver	0.10	mg/Kg	U		P	0.10	P2	P260621
7440-23-5	Sodium	150	mg/Kg	B		P	36.5	P2	P260621
7440-28-0	Thallium	0.56	mg/Kg	U		P	0.56	P2	P260621
7440-62-2	Vanadium	8.5	mg/Kg			P	0.07	P2	P260621
7440-66-6	Zinc	21.1	mg/Kg		E	P	0.11	P2	P260621

- 1 -

Method Type: SW846

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-04

Client ID: BS-150-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 89

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5540	mg/Kg			P	0.82	P2	P260621
7440-36-0	Antimony	0.88	mg/Kg	B		P	0.53	P2	P260621
7440-38-2	Arsenic	3.6	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	27.5	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.21	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.09	mg/Kg	B		P	0.04	P2	P260621
7440-70-2	Calcium	3100	mg/Kg			P	0.74	P2	P260621
7440-47-3	Chromium	12.9	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.6	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	13.5	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7200	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	24.4	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	1200	mg/Kg		N	P	1.1	P2	P260621
7439-96-5	Manganese	53.8	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.03	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.2	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	242	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.34	mg/Kg	U		P	0.34	P2	P260621
7440-22-4	Silver	0.17	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	133	mg/Kg	B		P	39.8	P2	P260621
7440-28-0	Thallium	0.61	mg/Kg	U		P	0.61	P2	P260621
7440-62-2	Vanadium	12.9	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	41.6	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-05

Client ID: BS-154-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 92

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5350	mg/Kg			P	0.79	P2	P260621
7440-36-0	Antimony	0.51	mg/Kg	U		P	0.51	P2	P260621
7440-38-2	Arsenic	7.0	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	30.6	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.23	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	15500	mg/Kg			P	0.72	P2	P260621
7440-47-3	Chromium	7.3	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.3	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	13.0	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7460	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	51.3	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	6170	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	89.7	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.22	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	3.3	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	226	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	137	mg/Kg	B		P	38.5	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	12.3	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	25.4	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-06

Client ID: BS-158-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 93

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4510	mg/Kg			P	0.78	P2	P260621
7440-36-0	Antimony	0.51	mg/Kg	U		P	0.51	P2	P260621
7440-38-2	Arsenic	3.7	mg/Kg			P	0.30	P2	P260621
7440-39-3	Barium	24.6	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.20	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	27700	mg/Kg			P	0.71	P2	P260621
7440-47-3	Chromium	12.0	mg/Kg			P	0.06	P2	P260621
7440-48-4	Cobalt	2.5	mg/Kg	B		P	0.06	P2	P260621
7440-50-8	Copper	9.9	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	7330	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	27.5	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	14200	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	114	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.08	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.0	mg/Kg	B		P	0.19	P2	P260621
7440-09-7	Potassium	374	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.38	mg/Kg	B		P	0.32	P2	P260621
7440-22-4	Silver	0.29	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	131	mg/Kg	B		P	38.0	P2	P260621
7440-28-0	Thallium	0.58	mg/Kg	U		P	0.58	P2	P260621
7440-62-2	Vanadium	11.3	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	28.3	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc. SDG No.: P3098 Method Type: SW846

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-07

Client ID: BS-160-4

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6680	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	5.3	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	35.0	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.26	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	15700	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	12.6	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	3.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	13.4	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	9090	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	65.2	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	1570	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	116	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.07	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.8	mg/Kg			P	0.20	P2	P260621
7440-09-7	Potassium	313	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.47	mg/Kg	B		P	0.33	P2	P260621
7440-22-4	Silver	0.14	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	113	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	16.7	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	36.1	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-08

Client ID: BS-164-8

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 91

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	3750	mg/Kg			P	0.80	P2	P260621
7440-36-0	Antimony	0.52	mg/Kg	U		P	0.52	P2	P260621
7440-38-2	Arsenic	2.3	mg/Kg			P	0.31	P2	P260621
7440-39-3	Barium	13.8	mg/Kg	B		P	0.09	P2	P260621
7440-41-7	Beryllium	0.16	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.04	mg/Kg	U		P	0.04	P2	P260621
7440-70-2	Calcium	3080	mg/Kg			P	0.73	P2	P260621
7440-47-3	Chromium	8.0	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.1	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	5.9	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	5520	mg/Kg		*	P	1.9	P2	P260621
7439-92-1	Lead	12.4	mg/Kg			P	0.23	P2	P260621
7439-95-4	Magnesium	831	mg/Kg		N	P	1.0	P2	P260621
7439-96-5	Manganese	77.4	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.14	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	2.3	mg/Kg	B		P	0.20	P2	P260621
7440-09-7	Potassium	189	mg/Kg	B	E	P	2.2	P2	P260621
7782-49-2	Selenium	0.33	mg/Kg	U		P	0.33	P2	P260621
7440-22-4	Silver	0.17	mg/Kg	B		P	0.11	P2	P260621
7440-23-5	Sodium	80.1	mg/Kg	B		P	38.9	P2	P260621
7440-28-0	Thallium	0.59	mg/Kg	U		P	0.59	P2	P260621
7440-62-2	Vanadium	9.2	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	18.1	mg/Kg		E	P	0.12	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3098

Method Type: SW846

Sample ID: P3098-09

Client ID: BS-168-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3098

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 87

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	5600	mg/Kg			P	0.84	P2	P260621
7440-36-0	Antimony	0.54	mg/Kg	U		P	0.54	P2	P260621
7440-38-2	Arsenic	4.1	mg/Kg			P	0.32	P2	P260621
7440-39-3	Barium	34.4	mg/Kg			P	0.09	P2	P260621
7440-41-7	Beryllium	0.22	mg/Kg	B		P	0.01	P2	P260621
7440-43-9	Cadmium	0.13	mg/Kg	B		P	0.05	P2	P260621
7440-70-2	Calcium	16400	mg/Kg			P	0.76	P2	P260621
7440-47-3	Chromium	13.0	mg/Kg			P	0.07	P2	P260621
7440-48-4	Cobalt	2.9	mg/Kg	B		P	0.07	P2	P260621
7440-50-8	Copper	16.2	mg/Kg		E	P	0.10	P2	P260621
7439-89-6	Iron	8000	mg/Kg		*	P	2.0	P2	P260621
7439-92-1	Lead	44.0	mg/Kg			P	0.24	P2	P260621
7439-95-4	Magnesium	1820	mg/Kg		N	P	1.1	P2	P260621
7439-96-5	Manganese	110	mg/Kg			P	0.01	P2	P260621
7439-97-6	Mercury	0.22	mg/Kg		*	CV	0.01	CV1	062702B
7440-02-0	Nickel	4.2	mg/Kg	B		P	0.21	P2	P260621
7440-09-7	Potassium	322	mg/Kg	B	E	P	2.3	P2	P260621
7782-49-2	Selenium	0.34	mg/Kg	U		P	0.34	P2	P260621
7440-22-4	Silver	0.11	mg/Kg	U		P	0.11	P2	P260621
7440-23-5	Sodium	147	mg/Kg	B		P	40.7	P2	P260621
7440-28-0	Thallium	0.62	mg/Kg	U		P	0.62	P2	P260621
7440-62-2	Vanadium	13.4	mg/Kg			P	0.08	P2	P260621
7440-66-6	Zinc	54.2	mg/Kg		E	P	0.13	P2	P260621

Method Type: SW846

Texture: MEDIUM

Artifacts: _____

METALS

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

Prepared By: Carole Collins

Laboratory Name: Chemtech

Date: August 7, 2002

Laboratory Project #: P3099

Sample (s) Taken: June 20, 2002

Sample Matrix: Soil and Water

Client Sample ID: BS-27 8'-12'
 BS-25 12'-16'
 Rinse Blank

Analytical Parameters: TAL Metals and Mercury

The DUSR was prepared by reviewing and evaluating the analytical data per the Region II guidelines from USEPA, Revision II/January 92 Inorganics analysis and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter (metals, mercury, cyanide)?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % solids greater than 50% for all soils samples?	Yes	<u>No</u>	NA
9. Were preparation log/distillation log provided for all the analytes?	<u>Yes</u>	No	NA
10. Did the preservation/distillation log include all the information about weight/volume and preparation date(s)?	<u>Yes</u>	No	NA
11. Were there raw data included for all the analytes?	<u>Yes</u>	No	NA
12. Were the instrument(s) calibrated correctly using proper standards?	<u>Yes</u>	No	NA
13. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
14. Were the initial and continuing calibration within the acceptance criteria?	<u>Yes</u>	No	NA
15. Were CRDL standard(s) run at the beginning and end of each run?	<u>Yes</u>	No	NA
16. Were percent recoveries (%R) for CRDL standard within the acceptance criteria?	<u>Yes</u>	No	NA
17. Were the calibration blanks less than CRDL?	<u>Yes</u>	No	NA
18. Were the preparation blanks free of contaminants?	<u>Yes</u>	No	NA
19. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
20. Were ICP Interference Check Samples (ICS) analyzed at the beginning and end of each ICP run?	<u>Yes</u>	No	NA
21. Were percent recoveries (%R) for ICS within the acceptance criteria?	<u>Yes</u>	No	NA
22. Was the matrix spike (MS) analysis performed at the required frequency?	<u>Yes</u>	No	NA
23. Did the MS meet the percent recovery (%R) criteria?	Yes	<u>No</u>	NA
24. Was the post digestion spike sample analysis performed when required?	<u>Yes</u>	No	NA
25. Was the laboratory duplicate analysis performed at the required frequency?	<u>Yes</u>	No	NA

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

26. Did the duplicate analysis meet the Relative Percent Difference (RPD) acceptance criteria?	Yes	☒ No	NA
27. Did the results for any field duplicate samples meet expected precision requirements?	Yes	No	☒ NA
28. Was the Laboratory Control Sample analysis performed for each matrix and analysis at the required frequency?	☒ Yes	No	NA
29. Did the LCS meet the percent recovery (%R) criteria?	☒ Yes	No	NA
30. Was ICP Serial Dilution analysis performed at the required frequency?	☒ Yes	No	NA
31. Did the ICP serial dilution analysis meet the percent difference (%D) criteria?	Yes	☒ No	NA
32. Was proper quantitation procedure followed for Method of Standard Addition (MSA) analysis?	Yes	No	☒ NA
33. Was coefficient of correlation greater than 0.0995 for MSA analysis?	Yes	No	☒ NA
34. Were there any analysis performed for dissolved as total analysis?	Yes	No	☒ NA
35. Was the concentration of any dissolved analyte greater than its total concentration by 10%?	Yes	No	☒ NA
36. Did the laboratory submit Instrument Detection Limit (IDL), ICP linear ranges and ICP Interelement Correction Factors?	☒ Yes	No	NA
37. Were dilutions made appropriately when required?	☒ Yes	No	NA
38. No discrepancies were noted when review of raw data (instrument printouts) was performed.	☒ Yes	No	NA
39. Were results reported in correct units and soil samples corrected for % solid?	☒ Yes	No	NA

If NO for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

COMMENTS:

The recoveries for the MS and MSD did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. Samples associated with the spike sample are flagged with "N" qualifier for:

Magnesium.

The recoveries for the MS and MSD did not meet QC requirements for the following metals due to the non-homogenous nature of soil samples. Samples associated with the spike sample are flagged with "N" qualifier for:

Mercury

Iron

Serial Dilution did not meet QC requirements for the following metals due to a chemical or physical interference effect must be suspected. The samples associated with the serial dilution are flagged with an "E" qualifier for:

Potassium
Zinc

Copper

The samples for the MS/MSD and Duplicate were field sampled. The non-homogeneous nature of soil samples is suspect.

Analytes are flagged with "J" qualifier.

All other QC requirements were met. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carol Collins

Date 8/16/02

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3099

Method Type: SW846

Sample ID: P3099-01

Client ID: BS-278-12

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3099

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 42

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	26000	mg/Kg			P	1.7	P2	P260621
7440-36-0	Antimony	1.1	mg/Kg	U		P	1.1	P2	P260621
7440-38-2	Arsenic	7.3	mg/Kg			P	0.67	P2	P260621
7440-39-3	Barium	189	mg/Kg			P	0.19	P2	P260621
7440-41-7	Beryllium	3.2	mg/Kg			P	0.02	P2	P260621
7440-43-9	Cadmium	74.9	mg/Kg			P	0.10	P2	P260621
7440-47-3	Calcium	20100	mg/Kg			P	1.6	P2	P260621
7440-47-3	Chromium	12600	mg/Kg			P	0.14	P2	P260621
7440-48-4	Cobalt	21.5	mg/Kg			P	0.14	P2	P260621
7440-50-8	Copper	1070	mg/Kg		E	P	0.21	P2	P260621
7439-89-6	Iron	54800	mg/Kg		*	P	4.1	P2	P260621
7439-92-1	Lead	429	mg/Kg			P	0.50	P2	P260621
7439-95-4	Magnesium	6770	mg/Kg		N	P	2.3	P2	P260621
7439-96-5	Manganese	1190	mg/Kg			P	0.02	P2	P260621
7439-97-6	Mercury	0.10	mg/Kg		*	CV	0.02	CV1	062702B
7440-02-0	Nickel	61.1	mg/Kg			P	0.43	P2	P260621
7440-09-7	Potassium	502	mg/Kg	B	E	P	4.8	P2	P260621
7782-49-2	Selenium	0.71	mg/Kg	U		P	0.71	P2	P260621
7440-22-4	Silver	150	mg/Kg			P	0.24	P2	P260621
7440-23-5	Sodium	851	mg/Kg	B		P	84.2	P2	P260621
7440-28-0	Thallium	1.3	mg/Kg	U		P	1.3	P2	P260621
7440-62-2	Vanadium	108	mg/Kg			P	0.17	P2	P260621
7440-66-6	Zinc	3890	mg/Kg		E	P	0.26	P2	P260621

10

Comments: _____

METAL

METALS

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3099

Method Type: SW846

Sample ID: P3099-02

Client ID: BS-2512-16

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3099

Matrix: SOIL

Date Received: 6/21/02

Level: LOW

% Solids: 48

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	16300	mg/Kg			P	1.5	P2	P260621
7440-36-0	Antimony	0.98	mg/Kg	U		P	0.98	P2	P260621
7440-38-2	Arsenic	0.58	mg/Kg	U		P	0.58	P2	P260621
7440-39-3	Barium	161	mg/Kg			P	0.17	P2	P260621
7440-41-7	Beryllium	1.5	mg/Kg			P	0.02	P2	P260621
7440-43-9	Cadmium	77.6	mg/Kg			P	0.08	P2	P260621
7440-47-3	Calcium	17700	mg/Kg			P	1.4	P2	P260621
7440-47-3	Chromium	20200	mg/Kg			P	0.12	P2	P260621
7440-48-4	Cobalt	27.1	mg/Kg			P	0.12	P2	P260621
7440-50-8	Copper	539	mg/Kg		E	P	0.19	P2	P260621
7439-89-6	Iron	106000	mg/Kg		*	P	3.6	P2	P260621
7439-92-1	Lead	354	mg/Kg			P	0.44	P2	P260621
7439-95-4	Magnesium	4780	mg/Kg		N	P	2.0	P2	P260621
7439-96-5	Manganese	1200	mg/Kg			P	0.02	P2	P260621
7439-97-6	Mercury	0.10	mg/Kg		*	CV	0.02	CV1	062702B
7440-02-0	Nickel	46.4	mg/Kg			P	0.38	P2	P260621
7440-09-7	Potassium	305	mg/Kg	B	E	P	4.2	P2	P260621
7782-49-2	Selenium	0.71	mg/Kg	B		P	0.63	P2	P260621
7440-22-4	Silver	201	mg/Kg			P	0.21	P2	P260621
7440-23-5	Sodium	558	mg/Kg	B		P	73.7	P2	P260621
7440-28-0	Thallium	2.0	mg/Kg	B		P	1.1	P2	P260621
7440-62-2	Vanadium	85.4	mg/Kg			P	0.15	P2	P260621
7440-66-6	Zinc	2670	mg/Kg		E	P	0.23	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc. SDG No.: P3099 Method Type: SW846

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3099

Method Type: SW846

Sample ID: P3099-06

Client ID: RINSEBLANK

Contract: MAC Consultants, Inc.

Lab Code: CHEMED

Case No.:

SAS No.: P3099

Matrix: WATER

Date Received: 6/21/02

Level: LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	7.3	ug/L	U		P	7.3	P2	P260621
7440-36-0	Antimony	4.7	ug/L	U		P	4.7	P2	P260621
7440-38-2	Arsenic	2.8	ug/L	U		P	2.8	P2	P260621
7440-39-3	Barium	0.80	ug/L	U		P	0.80	P2	P260621
7440-41-7	Beryllium	0.10	ug/L	U		P	0.10	P2	P260621
7440-43-9	Cadmium	0.40	ug/L	U		P	0.40	P2	P260621
7440-50-2	Calcium	6.6	ug/L	U		P	6.6	P2	P260621
7440-47-3	Chromium	0.60	ug/L	U		P	0.60	P2	P260621
7440-48-4	Cobalt	0.60	ug/L	U		P	0.60	P2	P260621
7440-50-8	Copper	0.90	ug/L	U		P	0.90	P2	P260621
7439-89-6	Iron	17.3	ug/L	U		P	17.3	P2	P260621
7439-92-1	Lead	2.1	ug/L	U		P	2.1	P2	P260621
7439-95-4	Magnesium	9.5	ug/L	U		P	9.5	P2	P260621
7439-96-5	Manganese	0.10	ug/L	U		P	0.10	P2	P260621
7439-97-6	Mercury	0.20	ug/L	U		CV	0.20	CV1	062702B
7440-02-0	Nickel	1.8	ug/L	U		P	1.8	P2	P260621
7440-09-7	Potassium	20.0	ug/L	U		P	20.0	P2	P260621
7782-49-2	Selenium	3.0	ug/L	U		P	3.0	P2	P260621
7440-22-4	Silver	1.0	ug/L	U		P	1.0	P2	P260621
7440-23-5	Sodium	354	ug/L	U		P	354	P2	P260621
7440-28-0	Thallium	5.4	ug/L	U		P	5.4	P2	P260621
7440-62-2	Vanadium	0.70	ug/L	U		P	0.70	P2	P260621
7440-66-6	Zinc	1.1	ug/L	U		P	1.1	P2	P260621

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: MAC Consultants, Inc.

SDG No.: P3099

Method Type: SW846

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 11, 2002

Laboratory Project: P3099

Analytical parameters: PCBs by method 8082- SW846

Sample (s) Taken: June 18 & 19, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-27 8'-12'	BS-23 0'-4'
	BS-25- 12'-16'	BS-23 4'-8'
	BS-24 0'-4'	BS-23 8'-12'
	BS-24 4'-8'	BS-22 0'-4'
	BS-24 8'-12'	BS-22 4'-8'
	RINSE BLANK	BS-22 8'-12'

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8082, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	Yes	☒ No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	Yes	☒ No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	☒ No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	☒ NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

COMMENTS:

The following samples were diluted due to high concentration of target compounds:

BS-27 8'-12'

BS-25 12'-16'

The surrogate recoveries for the following samples were not within acceptance limits due to high dilution of samples:

BS-27 8'-12'

BS-27 8'-12' MS

BS-25 12'-16'

BS-27 8'-12' MSD

The matrix spike and matrix spike duplicate did not meet QC requirements due to high dilution of sample. No further action is required.

All other data meet requirements. All data is usable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 7/1/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7359.D

Dilution: 1000

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 58.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 12000	U	40000	12000	ug/Kg
AROCLOR 1221	< 3100	U	40000	3100	ug/Kg
AROCLOR 1232	< 19000	U	40000	19000	ug/Kg
AROCLOR 1242	< 5200	U	40000	5200	ug/Kg
AROCLOR 1248	260000		40000	13000	ug/Kg
AROCLOR 1254	110000		40000	25000	ug/Kg
AROCLOR 1260	< 4700	U	40000	4700	ug/Kg
SURROGATES					
Tetra-chloro-m-xylene	0	0 %	24 - 151		SPK: 20
Decachlorobiphenyl	0	0 %	24 - 151		SPK: 20

PCB
SW-846

CDG No.: P3099-01
Client: MAC Consultants, Inc.

Sample ID:	P3099-02	Client ID:	BS-2512-16
Date Collected:	6/19/02	Date Received:	6/21/02
Date Analyzed:	7/1/02	Matrix:	SOIL
Date Extracted:	6/27/02	File ID:	4PC7357.D
Dilution:	100	Instrument ID:	ECD4
Analytical Method:	8082	Analytical Run ID:	4PC0603
% Moisture:	52.0	Associated Blank:	PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 1100	U	3500	1100	ug/Kg
AROCLOR 1221	< 270	U	3500	270	ug/Kg
AROCLOR 1232	< 1700	U	3500	1700	ug/Kg
AROCLOR 1242	< 460	U	3500	460	ug/Kg
AROCLOR 1248	37000		3500	1100	ug/Kg
AROCLOR 1254	22000		3500	2200	ug/Kg
AROCLOR 1260	< 420	U	3500	420	ug/Kg
SURROGATES					
Trichloro-m-xylene	0	0 %	24 - 151		SPK: 20
Decachlorobiphenyl	0	0 %	24 - 151		SPK: 20

PCB
SW-846

OG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-03

Client ID: BS-240-4

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7307.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 7.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	72		18	2.1	ug/Kg
SURROGATES					
Tri-nitro-m-xylene	15.5	78 %	24 - 151		SPK: 20
Decachlorobiphenyl	18.44	92 %	24 - 151		SPK: 20

PCB
SW-846

CDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-04

Client ID: BS-244-8

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7308.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 7.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	160		18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
Tri-nitro-m-xylene	20.64	103 %	24 - 151		SPK: 20
Dichlorobiphenyl	18.61	93 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-05

Client ID: BS-248-12

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7309.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 8.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	80		18	2.2	ug/Kg
SURROGATES					
Toluene-m-xylene	19.77	99 %	24 - 151		SPK: 20
Decachlorobiphenyl	17.97	90 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-06

Client ID: RINSEBLANK

Date Collected: 6/19/02

Date Analyzed: 6/29/02

Date Extracted: 6/27/02

Dilution: 1

Analytical Method: 8082

% Moisture: 100.0

Date Received: 6/21/02

Matrix: WATER

File ID: 4PC7320.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062702-14 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 0.24	U	0.50	0.24	ug/L
AROCLOR 1221	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1232	< 0.090	U	0.50	0.090	ug/L
AROCLOR 1242	< 0.080	U	0.50	0.080	ug/L
AROCLOR 1248	< 0.12	U	0.50	0.12	ug/L
AROCLOR 1254	< 0.050	U	0.50	0.050	ug/L
AROCLOR 1260	< 0.010	U	0.50	0.010	ug/L
SURROGATES					
Trichloro-m-xylene	28.25	141 %	24 - 151		SPK: 20
Dichlorobiphenyl	13.78	69 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-07

Client ID: BS-230-4

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7310.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 7.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.6	U	18	5.6	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.6	U	18	8.6	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 5.9	U	18	5.9	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	130		18	2.1	ug/Kg
SURROGATES					
Terchloro-m-xylene	15.4	77 %	24 - 151		SPK: 20
Dichlorobiphenyl	13.79	69 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-08

Client ID: BS-234-8

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/27/02

Dilution: 1

Analytical Method: 8082

% Moisture: 6.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7311.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	80		18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
Toluene	15.21	76 %	24 - 151		SPK: 20
Dichlorobiphenyl	11.87	59 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-09

Client ID: BS-238-12

Date Collected: 6/18/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: 4PC7312.D

Dilution: 1

Instrument ID: ECD4

Analytical Method: 8082

Analytical Run ID: 4PC0603

% Moisture: 7.0

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	170		18	11	ug/Kg
AROCLOR 1260	< 2.1	U	18	2.1	ug/Kg
SURROGATES					
Tetra-chloro-m-xylene	16.79	84 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.24	66 %	24 - 151		SPK: 20

PCB
SW-846

CDG No.: P3099-01
Client: MAC Consultants, Inc.

Sample ID:	P3099-10	Client ID:	BS-220-4
Date Collected:	6/18/02	Date Received:	6/21/02
Date Analyzed:	6/28/02	Matrix:	SOIL
Date Extracted:	6/27/02	File ID:	4PC7313.D
Dilution:	1	Instrument ID:	ECD4
Analytical Method:	8082	Analytical Run ID:	4PC0603
% Moisture:	5.0	Associated Blank:	PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.4	U	18	8.4	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	37		18	2.1	ug/Kg
SURROGATES					
Tetrachloro-m-xylene	15.98	80 %	24 - 151		SPK: 20
Decachlorobiphenyl	14.02	70 %	24 - 151		SPK: 20

PCB
SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-11

Client ID: BS-224-8

Date Collected: 6/18/02

Date Analyzed: 6/28/02

Date Extracted: 6/27/02

Dilution: 1

Analytical Method: 8082

% Moisture: 7.0

Date Received: 6/21/02

Matrix: SOIL

File ID: 4PC7314.D

Instrument ID: ECD4

Analytical Run ID: 4PC0603

Associated Blank: PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.5	U	18	5.5	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.5	U	18	8.5	ug/Kg
AROCLOR 1242	< 2.3	U	18	2.3	ug/Kg
AROCLOR 1248	< 5.8	U	18	5.8	ug/Kg
AROCLOR 1254	< 11	U	18	11	ug/Kg
AROCLOR 1260	22		18	2.1	ug/Kg
SURROGATES					
Toluene	18.58	93 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.8	69 %	24 - 151		SPK: 20

PCB
SW-846

CDG No.: P3099-01
Client: MAC Consultants, Inc.

Sample ID:	P3099-12	Client ID:	BS-228-12
Date Collected:	6/18/02	Date Received:	6/21/02
Date Analyzed:	6/28/02	Matrix:	SOIL
Date Extracted:	6/27/02	File ID:	4PC7315.D
Dilution:	1	Instrument ID:	ECD4
Analytical Method:	8082	Analytical Run ID:	4PC0603
% Moisture:	9.0	Associated Blank:	PB062702-08 B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
AROCLOR 1016	< 5.7	U	18	5.7	ug/Kg
AROCLOR 1221	< 1.4	U	18	1.4	ug/Kg
AROCLOR 1232	< 8.7	U	18	8.7	ug/Kg
AROCLOR 1242	< 2.4	U	18	2.4	ug/Kg
AROCLOR 1248	< 6.0	U	18	6.0	ug/Kg
AROCLOR 1254	< 12	U	18	12	ug/Kg
AROCLOR 1260	< 2.2	U	18	2.2	ug/Kg
SURROGATES					
Tetra-chloro-m-xylene	17.5	88 %	24 - 151		SPK: 20
Decachlorobiphenyl	13.1	66 %	24 - 151		SPK: 20

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 7, 2002

Laboratory Project: P3099

Analytical parameters: Semi-Volatile Organics by method 8270- SW846

Sample (s) Taken: June 18,19, 2002

Sample Matrix: Soil and Water

Client Sample ID:	BS-27 8'-12'	BS-25 12'-16'
	RINSE BLANK	

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8270, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	<u>Yes</u>	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	<u>Yes</u>	No	NA
3. Were the analysis performed as per method requested?	<u>Yes</u>	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	<u>Yes</u>	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	<u>Yes</u>	No	NA
6. Were samples correctly preserved?	<u>Yes</u>	No	NA
7. Was sample preservation documented?	<u>Yes</u>	No	NA
8. Was % moisture less than 50 % for all soil samples?	Yes	<u>No</u>	NA
9. Were the initial and continuing calibrations performed at the required frequency?	<u>Yes</u>	No	NA
10. Were the initial calibration within the acceptance criteria?	<u>Yes</u>	No	NA
11. Were the midpoint check std. within the acceptance criteria?	<u>Yes</u>	No	NA
12. Were the method blanks free of contaminants?	<u>Yes</u>	No	NA
13. Were the field blank free of contaminants?	Yes	No	<u>NA</u>
14. Were system monitoring compounds within the acceptance limits?	Yes	<u>No</u>	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) analyzed at the correct frequency?	<u>Yes</u>	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	Yes	<u>No</u>	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	<u>Yes</u>	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	Yes	<u>No</u>	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	<u>NA</u>
20. Were dilutions made appropriately?	<u>Yes</u>	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	<u>Yes</u>	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	<u>Yes</u>	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG #: P3099

COMMENTS:

The soil samples were diluted before analysis.

The surrogate recoveries for the following samples were not within QC acceptance limits. There was insufficient sample to re-extract. The data is flagged with "J" qualifier:

RINSE BLANK
SBLKW1

SLCSW1

The recoveries in the MS and MSD for the following compounds did not meet QC requirements due to non-homogeneous nature of soil samples:

Hexachlorocyclopentadiene
2,4-Dinitrophenol
Fluoranthene
3,3'-Dichlorobenzidine

3-Nitroaniline
Anthracene (MS only)
Pyrene
bis(2-ethylhexyl)phthalate

The RPDs for the following compounds did not meet QC criteria.

Hexachlorocyclopentadiene
Pentachlorobenzene
Fluoranthene
bis(2-ethylhexyl)phthalate

3-Nitroaniline
Phenanthrene
3,3'-Dichlorobenzidine

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

The Blank Spike (PB062702-13 BS) did not meet QC requirements for the following compounds.

2,6-Dinitrotoluene

Hexachlorobenzene

The Internal Standard Areas did not meet QC requirements for the following samples. The samples are flagged with "J" qualifier. The non-detected semi-volatile compounds are flagged with "UJ" qualifier.

BS-27 8'-12

BS-25 12'-16'

BS-25 12'-16'MS

BS-25 12'-16'MSD

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002207.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 58

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 390	U	3900	390	ug/Kg
bis(2-Chloroethyl)ether	< 460	U	3900	460	ug/Kg
2-Chlorophenol	< 430	U	3900	430	ug/Kg
1,2-Dichlorobenzene	< 390	U	3900	390	ug/Kg
1,3-Dichlorobenzene	< 460	U	3900	460	ug/Kg
1,4-Dichlorobenzene	< 390	U	3900	390	ug/Kg
2-Methylphenol	< 390	U	3900	390	ug/Kg
2,2-Dimethylbis(1-chloropropane)	< 390	U	3900	390	ug/Kg
3+4-Methylphenols	< 700	U	3900	700	ug/Kg
N-Nitroso-di-n-propylamine	< 390	U	3900	390	ug/Kg
Hexachloroethane	< 430	U	3900	430	ug/Kg
Nitrobenzene	< 390	U	3900	390	ug/Kg
Isophorone	< 390	U	3900	390	ug/Kg
2-Nitrophenol	< 430	U	3900	430	ug/Kg
2,4-Dimethylphenol	< 900	U	3900	900	ug/Kg
bis(2-Chloroethoxy)methane	< 390	U	3900	390	ug/Kg
2,4-Dichlorophenol	< 510	U	3900	510	ug/Kg
1,2,4-Trichlorobenzene	< 460	U	3900	460	ug/Kg
Naphthalene	< 460	U	3900	460	ug/Kg
4-Chloroaniline	< 460	U	3900	460	ug/Kg
Hexachlorobutadiene	< 590	U	3900	590	ug/Kg
4-Chloro-3-methylphenol	< 430	U	3900	430	ug/Kg
2-Methylnaphthalene	< 460	U	3900	460	ug/Kg
Hexachlorocyclopentadiene	< 1500	U	3900	1500	ug/Kg
2,4,6-Trichlorophenol	< 390	U	3900	390	ug/Kg
2,4,5-Trichlorophenol	< 390	U	9800	390	ug/Kg
2-Chloronaphthalene	< 460	U	3900	460	ug/Kg
2-Nitroaniline	< 390	U	9800	390	ug/Kg
Dinitrophenylphthalate	< 390	U	3900	390	ug/Kg
Acenaphthylene	< 460	U	3900	460	ug/Kg
2,6-Dinitrotoluene	< 390	U	3900	390	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002207.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 58

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 460	U	9800	460	ug/Kg
Acenaphthene	< 460	U	3900	460	ug/Kg
2,4-Dinitrophenol	< 780	U	9800	780	ug/Kg
4-Nitrophenol	< 430	U	9800	430	ug/Kg
Dibenzofuran	< 390	U	3900	390	ug/Kg
2,4-Dinitrotoluene	< 430	U	3900	430	ug/Kg
Diethylphthalate	< 390	U	3900	390	ug/Kg
4-Chlorophenyl-phenylether	< 460	U	3900	460	ug/Kg
Fluorene	< 430	U	3900	430	ug/Kg
4-Nitroaniline	< 940	U	9800	940	ug/Kg
4,6-Dinitro-2-methylphenol	< 460	U	9800	460	ug/Kg
N-Nitrosodiphenylamine	< 780	U	3900	780	ug/Kg
4-Bromophenyl-phenylether	< 510	U	3900	510	ug/Kg
Hexachlorobenzene	< 430	U	3900	430	ug/Kg
Pentachlorophenol	< 740	U	9800	740	ug/Kg
Phenanthrene	710	J	3900	390	ug/Kg
Anthracene	690	J	3900	510	ug/Kg
Carbazole	410	J	3900	160	ug/Kg
Di-n-butylphthalate	< 460	U	3900	460	ug/Kg
Fluoranthene	5500		3900	390	ug/Kg
Pyrene	6100		3900	390	ug/Kg
Butylbenzylphthalate	< 390	U	3900	390	ug/Kg
3,3'-Dichlorobenzidine	< 390	U	3900	390	ug/Kg
Benzo(a)anthracene	2100	J	3900	390	ug/Kg
Chrysene	2100	J	3900	620	ug/Kg
bis(2-Ethylhexyl)phthalate	3100	J	3900	390	ug/Kg
Di-n-octyl phthalate	< 590	U	3900	590	ug/Kg
Benz(b)fluoranthene	5900	J	3900	390	ug/Kg
Benzo(k)fluoranthene	3700	J	3900	1000	ug/Kg
Benzo(a)pyrene	1300	J	3900	590	ug/Kg
Indeno(1,2,3-cd)pyrene	< 620	U	3900	620	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002207.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 58

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 590	U > 1	3900	590	ug/Kg
Benzo(g,h,i)perylene	< 510	U > 1	3900	510	ug/Kg
SURROGATES					
2-Fluorophenol	33.32	56 %	25 - 121		SPK: 300
Phenol-d5	31.37	52 %	24 - 113		SPK: 300
Nitrobenzene-d5	22.88	57 %	23 - 120		SPK: 200
2,2'-biphenyl	20.33	51 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	33.14	55 %	19 - 122		SPK: 300
Terphenyl-d14	46.89	117 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	109108	4.54
Naphthalene-d8	433680	6.99
Acenaphthene-d10	235388	10.82
Phenanthrene-d10	440317	14.13
Chrysene-d12	296943	20.19
Perylene-d12	45411	23.25

TENTATIVE IDENTIFIED COMPOUNDS

ACP	39000	A	2.27	ug/Kg
Octane, 2,3,7-trimethyl-	3400	J	8.12	ug/Kg
Tridecane	5300	J	8.51	ug/Kg
Dodecane, 2,7,10-trimethyl-	6200	J	10.49	ug/Kg
Heptadecane, 2,6-dimethyl-	6300	J	13.21	ug/Kg
Hexadecanoic acid	4000	J	15.86	ug/Kg
Octacosane	3300	J	16.13	ug/Kg
Unknown	3200	J	16.26	ug/Kg
Unknown	4000	J	16.44	ug/Kg
N-octane, 3,7-dimethyl-	3300	J	16.77	ug/Kg
Hexatriacontane	3500	J	20.99	ug/Kg
Heptadecane	4000	J	21.33	ug/Kg
Pentatriacontane	19000	J	22.07	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID:	P3099-01	Client ID:	BS-278-12
Date Collected:	6/19/02	Date Received:	6/21/02
Date Analyzed:	6/28/02	Matrix:	SOIL
Date Extracted:	6/27/02	File ID:	BB002207.D
Dilution:	5	Instrument ID:	5971B
Analytical Method:	8270	Analytical Run ID:	2
Sample Wt/Vol:	30.2	Extract Vol:	1000
Injection Vol:	2	% Moisture:	58
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Hydrazinecarbothioamide, 2-(1-phe	17000	J	22.24		ug/Kg
Undecane	9500	J	22.38		ug/Kg
Decahydro-4,4,8,9,10-pentamethyl	35000	J	22.74		ug/Kg
Unknown	28000	J	23.01		ug/Kg
1-Decanol, 2-ethyl-	10000	J	23.65		ug/Kg
7-Octadecyne, 2-methyl-	6600	J	24.14		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002208.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 52

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 340	U	3400	340	ug/Kg
bis(2-Chloroethyl)ether	< 400	U	3400	400	ug/Kg
2-Chlorophenol	< 380	U	3400	380	ug/Kg
1,2-Dichlorobenzene	< 340	U	3400	340	ug/Kg
1,3-Dichlorobenzene	< 400	U	3400	400	ug/Kg
1,4-Dichlorobenzene	< 340	U	3400	340	ug/Kg
2-Methylphenol	< 340	U	3400	340	ug/Kg
2,2-Dimethylbis(1-chloropropyl)ether	< 340	U	3400	340	ug/Kg
3+4-Methylphenols	< 610	U	3400	610	ug/Kg
N-Nitroso-di-n-propylamine	< 340	U	3400	340	ug/Kg
Hexachloroethane	< 380	U	3400	380	ug/Kg
Nitrobenzene	< 340	U	3400	340	ug/Kg
Isophorone	< 340	U	3400	340	ug/Kg
2-Nitrophenol	< 380	U	3400	380	ug/Kg
2,4-Dimethylphenol	< 790	U	3400	790	ug/Kg
bis(2-Chloroethoxy)methane	< 340	U	3400	340	ug/Kg
2,4-Dichlorophenol	< 440	U	3400	440	ug/Kg
1,2,4-Trichlorobenzene	< 400	U	3400	400	ug/Kg
Naphthalene	< 400	U	3400	400	ug/Kg
4-Chloroaniline	< 400	U	3400	400	ug/Kg
Hexachlorobutadiene	< 510	U	3400	510	ug/Kg
4-Chloro-3-methylphenol	< 380	U	3400	380	ug/Kg
2-Methylnaphthalene	< 400	U	3400	400	ug/Kg
Hexachlorocyclopentadiene	< 1300	U	3400	1300	ug/Kg
2,4,6-Trichlorophenol	< 340	U	3400	340	ug/Kg
2,4,5-Trichlorophenol	< 340	U	8600	340	ug/Kg
2-Chloronaphthalene	< 400	U	3400	400	ug/Kg
2-Nitroaniline	< 340	U	8600	340	ug/Kg
Dimethylphthalate	< 340	U	3400	340	ug/Kg
Acenaphthylene	< 400	U	3400	400	ug/Kg
2,6-Dinitrotoluene	< 340	U	3400	340	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002208.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 52

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 400	U	8600	400	ug/Kg
Acenaphthene	< 400	U	3400	400	ug/Kg
2,4-Dinitrophenol	< 680	U	8600	680	ug/Kg
4-Nitrophenol	< 380	U	8600	380	ug/Kg
Dibenzofuran	< 340	U	3400	340	ug/Kg
2,4-Dinitrotoluene	< 380	U	3400	380	ug/Kg
Di-n-butylphthalate	< 340	U	3400	340	ug/Kg
4-Bromophenyl-phenylether	< 400	U	3400	400	ug/Kg
Fluorene	< 380	U	3400	380	ug/Kg
4-Nitroaniline	< 820	U	8600	820	ug/Kg
4,6-Dinitro-2-methylphenol	< 400	U	8600	400	ug/Kg
N-Nitrosodiphenylamine	< 680	U	3400	680	ug/Kg
4-Bromophenyl-phenylether	< 440	U	3400	440	ug/Kg
Hexachlorobenzene	< 380	U	3400	380	ug/Kg
Pentachlorophenol	< 650	U	8600	650	ug/Kg
Phenanthrene	1300	J	3400	340	ug/Kg
Anthracene	< 440	U	3400	440	ug/Kg
Carbazole	< 140	U	3400	140	ug/Kg
Di-n-butylphthalate	< 400	U	3400	400	ug/Kg
Fluoranthene	3000	J	3400	340	ug/Kg
Pyrene	2600	J	3400	340	ug/Kg
Butylbenzylphthalate	< 340	U	3400	340	ug/Kg
3,3'-Dichlorobenzidine	< 340	U	3400	340	ug/Kg
Benzo(a)anthracene	1100	J	3400	340	ug/Kg
Chrysene	1600	J	3400	550	ug/Kg
bis(2-Ethylhexyl)phthalate	8300	J	3400	340	ug/Kg
Di-n-octyl phthalate	< 510	U	3400	510	ug/Kg
Benzo(b)fluoranthene	2300	J	3400	340	ug/Kg
Benzo(k)fluoranthene	1300	J	3400	890	ug/Kg
Benzo(a)pyrene	700	J	3400	510	ug/Kg
Indeno(1,2,3-cd)pyrene	< 550	U	3400	550	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002208.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Wol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 52

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 520	U	3400	520	ug/Kg
Benzo(g,h,i)perylene	< 440	U	3400	440	ug/Kg

SURROGATES

2-Fluorophenol	31.16	52 %	25 - 121		SPK: 300
Phenol-d5	29.29	49 %	24 - 113		SPK: 300
Nitrobenzene-d5	22.05	55 %	23 - 120		SPK: 200
2,2'-biphenyl	19.78	49 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	32.35	54 %	19 - 122		SPK: 300
Terphenyl-d14	47.77	119 %	18 - 137		SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	116562	4.54
Naphthalene-d8	472361	6.98
Acenaphthene-d10	249747	10.82
Phenanthrene-d10	478888	14.15
Chrysene-d12	411319	20.22
Perylene-d12	84781	23.27

TENTATIVE IDENTIFIED COMPOUNDS

ACP	31000	A	2.27	ug/Kg
Tridecane	6500	J	8.52	ug/Kg
Dodecane, 2,7,10-trimethyl-	8900	J	10.49	ug/Kg
Dodecane, 2,6,11-trimethyl-	13000	J	13.22	ug/Kg
Unknown	5500	J	14.92	ug/Kg
Tetradecane	6400	J	16.14	ug/Kg
Unknown	6500	J	16.28	ug/Kg
Unknown	6100	J	16.47	ug/Kg
Heptadecane, 2,6,10,15-tetramethyl	5000	J	16.78	ug/Kg
Heptacosane	5700	J	17.03	ug/Kg
Hexatriacontane	5400	J	21.00	ug/Kg
Neopentylidenecyclohexane	6100	J	21.45	ug/Kg
3-Eicosene, (E)-	6000	J	21.72	ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: SOIL

Date Extracted: 6/27/02

File ID: BB002208.D

Dilution: 5

Instrument ID: 5971B

Analytical Method: 8270

Analytical Run ID: 2

Sample Wt/Vol: 30.2

Extract Vol: 1000

Injection Vol: 2

% Moisture: 52

Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units

TENTATIVE IDENTIFIED COMPOUNDS

Pentatriacontane	17000	J	21.93		ug/Kg
Octadecane	14000	J	22.09		ug/Kg
Acridine, 9-methyl-	9500	J	22.24		ug/Kg
Nonadecane	12000	J	22.40		ug/Kg
Unknown	19000	J	22.75		ug/Kg
Tetradecane, 1-chloro-	18000	J	23.04		ug/Kg
Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-	7600	J	23.33		ug/Kg

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-06

Client ID: RINSEBLANK

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: WATER

Date Extracted: 6/27/02

File ID: BA001205.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 1000.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB062702-13B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Phenol	< 1.0	U	10	1.0	ug/L
bis(2-Chloroethyl)ether	< 1.2	U	10	1.2	ug/L
2-Chlorophenol	< 1.1	U	10	1.1	ug/L
1,2-Dichlorobenzene	< 1.0	U	10	1.0	ug/L
1,3-Dichlorobenzene	< 1.2	U	10	1.2	ug/L
1,4-Dichlorobenzene	< 1.0	U	10	1.0	ug/L
2-Methylphenol	< 1.0	U	10	1.0	ug/L
2,3-Dimethylbis(1-chloropropane)	< 1.0	U	10	1.0	ug/L
3+4-Methylphenols	< 1.8	U	10	1.8	ug/L
N-Nitroso-di-n-propylamine	< 1.0	U	10	1.0	ug/L
Hexachloroethane	< 1.1	U	10	1.1	ug/L
Nitrobenzene	< 1.0	U	10	1.0	ug/L
Isophorone	< 1.0	U	10	1.0	ug/L
2-Nitrophenol	< 1.1	U	10	1.1	ug/L
2,4-Dimethylphenol	< 2.3	U	10	2.3	ug/L
bis(2-Chloroethoxy)methane	< 1.0	U	10	1.0	ug/L
2,4-Dichlorophenol	< 1.3	U	10	1.3	ug/L
1,2,4-Trichlorobenzene	< 1.2	U	10	1.2	ug/L
Naphthalene	< 1.2	U	10	1.2	ug/L
4-Chloroaniline	< 1.2	U	10	1.2	ug/L
Hexachlorobutadiene	< 1.5	U	10	1.5	ug/L
4-Chloro-3-methylphenol	< 1.1	U	10	1.1	ug/L
2-Methylnaphthalene	< 1.2	U	10	1.2	ug/L
Hexachlorocyclopentadiene	< 3.8	U	10	3.8	ug/L
2,4,6-Trichlorophenol	< 1.0	U	10	1.0	ug/L
2,4,5-Trichlorophenol	< 1.0	U	10	1.0	ug/L
2-Chloronaphthalene	< 1.2	U	10	1.2	ug/L
2-Nitroaniline	< 1.0	U	10	1.0	ug/L
Dibenzophthalate	< 1.0	U	10	1.0	ug/L
Acenaphthylene	< 1.2	U	10	1.2	ug/L
2,6-Dinitrotoluene	< 1.0	U	10	1.0	ug/L

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID: P3099-06

Client ID: RINSEBLANK

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/28/02

Matrix: WATER

Date Extracted: 6/27/02

File ID: BA001205.D

Dilution: 1

Instrument ID: 5971A

Analytical Method: 8270

Analytical Run ID: 1

Sample Wt/Wol: 1000.0

Extract Vol: 1000

Injection Vol: 2

% Moisture: 100

Associated Blank: PB062702-13B

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

3-Nitroaniline	< 1.2	U	10	1.2	ug/L
Acenaphthene	< 1.0	U	10	1.0	ug/L
2,4-Dinitrophenol	< 2.0	U	10	2.0	ug/L
4-Nitrophenol	< 1.1	U	10	1.1	ug/L
Dibenzofuran	< 1.0	U	10	1.0	ug/L
2,4-Dinitrotoluene	< 1.1	U	10	1.1	ug/L
Diethylphthalate	< 1.0	U	10	1.0	ug/L
4-Bromophenyl-phenylether	< 1.2	U	10	1.2	ug/L
Fluorene	< 1.1	U	10	1.1	ug/L
4-Nitroaniline	< 2.4	U	10	2.4	ug/L
4,6-Dinitro-2-methylphenol	< 1.2	U	10	1.2	ug/L
N-Nitrosodiphenylamine	< 2.0	U	10	2.0	ug/L
4-Bromophenyl-phenylether	< 1.3	U	10	1.3	ug/L
Hexachlorobenzene	< 1.1	U	10	1.1	ug/L
Pentachlorophenol	< 1.9	U	10	1.9	ug/L
Phenanthrene	< 1.0	U	10	1.0	ug/L
Anthracene	< 1.3	U	10	1.3	ug/L
Carbazole	< 0.420	U	10	0.420	ug/L
Di-n-butylphthalate	< 1.2	U	10	1.2	ug/L
Fluoranthene	< 1.0	U	10	1.0	ug/L
Pyrene	< 1.0	U	10	1.0	ug/L
Butylbenzylphthalate	< 1.0	U	10	1.0	ug/L
3,3'-Dichlorobenzidine	< 1.0	U	10	1.0	ug/L
Benzo(a)anthracene	< 1.0	U	10	1.0	ug/L
Chrysene	< 1.6	U	10	1.6	ug/L
bis(2-Ethylhexyl)phthalate	< 1.0	U	10	1.0	ug/L
Di-n-octyl phthalate	< 1.5	U	10	1.5	ug/L
Benzo(b)fluoranthene	< 1.0	U	10	1.0	ug/L
Benzo(k)fluoranthene	< 2.6	U	10	2.6	ug/L
Benzo(a)pyrene	< 1.5	U	10	1.5	ug/L
Indeno(1,2,3-cd)pyrene	< 1.6	U	10	1.6	ug/L

7/10/02

SVOC-TCL BNA

SW-846

SDG No.: P3099-01

Client: MAC Consultants, Inc.

Sample ID:	P3099-06	Client ID:	RINSEBLANK
Date Collected:	6/19/02	Date Received:	6/21/02
Date Analyzed:	6/28/02	Matrix:	WATER
Date Extracted:	6/27/02	File ID:	BA001205.D
Dilution:	1	Instrument ID:	5971A
Analytical Method:	8270	Analytical Run ID:	1
Sample Wt/Wol:	1000.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB062702-13B		

Parameter	Concentration	C	RDL	MDL	Units

TARGETS

Dibenz(a,h)anthracene	< 1.5	U	10	1.5	ug/L
Benzo(g,h,i)perylene	< 1.3	U	10	1.3	ug/L

SURROGATES

2-Fluorophenol	426.44	142 %	21 - 100	SPK: 300
Phenol-d5	356.58	119 %	10 - 94	SPK: 300
Nitrobenzene-d5	197.98	99 %	35 - 114	SPK: 200
2,2'-Dibromobiphenyl	270.7	135 %	43 - 116	SPK: 200
2,4,6-Tribromophenol	602.33	201 %	10 - 123	SPK: 300
Terphenyl-d14	426.44	213 %	33 - 141	SPK: 200

INTERNAL STANDARDS

1,4-Dichlorobenzene-d4	133505	6.75
Naphthalene-d8	514236	8.42
Acenaphthene-d10	374715	10.29
Phenanthrene-d10	774376	11.69
Chrysene-d12	597034	14.50
Perylene-d12	256360	17.30

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

Prepared by: Carole Collins

Laboratory Name: Chemtech

Date: August 7, 2002

Laboratory Project: P3099

Analytical parameters: Volatile Organics by method 8260- SW846

Sample (s) Taken: June 19, 2002

Sample Matrix: Soil and Water

Client Sample ID: BS-27 8'-12'
 BS-25 12'-16
 RINSE BLANK

The DUSR was prepared by reviewing and evaluating the analytical data per the method 8260, SW846 and NYSDEC ASP guidelines. The following checklist has been designed to ensure a thorough and complete review of the analytical results based on the requirements in these guidelines. The analytical results are considered valid and usable for the purpose of this project, with any exceptions addressed in the Data Deficiencies comments section below.

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

Data Verification Parameters

Circle One

1. Were all chain of custody records present and completed?	☒ Yes	No	NA
2. Were statements made in the analytical data case narrative supported by the analytical data?	☒ Yes	No	NA
3. Were the analysis performed as per method requested?	☒ Yes	No	NA
4. Was the data package complete as defined under the requirements for the NYSDEC ASP or USEPA CLP deliverables?	☒ Yes	No	NA
5. Were the required holding times met for all matrices and analytical parameter?	☒ Yes	No	NA
6. Were samples correctly preserved?	☒ Yes	No	NA
7. Was sample preservation documented?	☒ Yes	No	NA
8. Was % moisture less than 50 % for all soil samples?	Yes	☒ No	NA
9. Were the initial and continuing calibrations performed at the required frequency?	☒ Yes	No	NA
10. Were the initial calibration within the acceptance criteria?	☒ Yes	No	NA
11. Were the midpoint check std. within the acceptance criteria?	☒ Yes	No	NA
12. Were the method blanks free of contaminants?	☒ Yes	No	NA
13. Were the field blank free of contaminants?	Yes	No	☒ NA
14. Were system monitoring compounds within the acceptance limits?	☒ Yes	No	NA
15. Were matrix spike/matrix spike duplicate (MS/MSD) Analyzed at the correct frequency?	☒ Yes	No	NA
16. Did the MS/MSD met the percent recovery (%R) and Relative percent difference (RPD) acceptance criteria?	☒ Yes	No	NA
17. Was the matrix spike blank sample (MSB) analysis performed at the required frequency?	☒ Yes	No	NA
18. Did the MSB meet the percent recovery (%R) criteria?	☒ Yes	No	NA
19. Did the result for any field duplicate samples meet expected precision requirements?	Yes	No	☒ NA
20. Were dilutions made appropriately?	☒ Yes	No	NA
21. No discrepancies were noted when the review of raw data (instrument printouts and chromatograms was performed.	☒ Yes	No	NA
22. Were results reported in correct units and soil samples corrected for % moisture?	☒ Yes	No	NA

If no answered for any of the above questions, give further explanation in the comments section:

CHEMTECH

Data Usability Summary Report (DUSR)

Project of Site Name: ORB SDG # : P3099

COMMENTS:

Samples BS-27 8'-12' and BS-25 12'-16 were diluted before analysis due to bad sample matrix.

All QC requirements meet. Data usability is acceptable.

R= Rejected

E= Estimated

Reviewer Signature: Carole Collins

Date 8/16/02

Volatiles

SW-846

SDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062506.D

Analytical Run ID: VA061202

Dilution: 2

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 58

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 8.1	U	24	8.1	ug/Kg
Bromomethane	74-83-9	< 4.8	U	24	4.8	ug/Kg
Vinyl chloride	75-01-4	< 4.8	U	24	4.8	ug/Kg
Chloroethane	75-00-3	< 6.2	U	24	6.2	ug/Kg
Methylene Chloride	75-09-2	< 6.2	U	24	6.2	ug/Kg
Acetone	67-64-1	< 17	U	24	17	ug/Kg
Carbon disulfide	75-15-0	< 6.2	U	24	6.2	ug/Kg
1,1-Dichloroethene	75-35-4	< 5.2	U	24	5.2	ug/Kg
1,2-Dichloroethane	75-34-3	< 4.3	U	24	4.3	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 5.2	U	24	5.2	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 4.3	U	24	4.3	ug/Kg
Chloroform	67-66-3	< 4.8	U	24	4.8	ug/Kg
1,2-Dichloroethane	107-06-2	< 5.2	U	24	5.2	ug/Kg
2-Butanone	78-93-3	< 26	U	24	26	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 4.8	U	24	4.8	ug/Kg
Carbon Tetrachloride	56-23-5	< 10	U	24	10	ug/Kg
Bromodichloromethane	75-27-4	< 3.8	U	24	3.8	ug/Kg
1,2-Dichloropropane	78-87-5	< 3.8	U	24	3.8	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 4.3	U	24	4.3	ug/Kg
Trichloroethene	79-01-6	< 4.8	U	24	4.8	ug/Kg
Dibromochloromethane	124-48-1	< 4.3	U	24	4.3	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 5.2	U	24	5.2	ug/Kg
Benzene	71-43-2	< 4.8	U	24	4.8	ug/Kg
t-1,3-Dichloropropene	10061-02-6	< 4.8	U	24	4.8	ug/Kg
Bromoform	75-25-2	< 5.2	U	24	5.2	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 19	U	24	19	ug/Kg
2-Hexanone	591-78-6	< 29	U	24	29	ug/Kg
Tetrachloroethene	127-18-4	< 5.7	U	24	5.7	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 4.8	U	24	4.8	ug/Kg
Tox	108-88-3	< 5.2	U	24	5.2	ug/Kg
Chlorobenzene	108-90-7	< 5.2	U	24	5.2	ug/Kg
Ethyl Benzene	100-41-4	< 4.8	U	24	4.8	ug/Kg
Styrene	100-42-5	< 6.7	U	24	6.7	ug/Kg
m/p-Xylenes	136777-61-2	< 13	U	24	13	ug/Kg

Volatiles

SW-846

SDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-01

Client ID: BS-278-12

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: SOIL

File ID: VA062506.D

Analytical Run ID: VA061202

Dilution: 2

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0625S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 58

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 5.2	0	24	5.2	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	40.57	81 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	47.01	94 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.21	74 %	74 - 121		SPK: 50
Dibromofluoromethane		49.71	99 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	2981293	5.91			
1,2-Difluorobenzene	540-36-3	3118269	7.71			
Chlorobenzene-d5	3114-55-4	2454211	13.93			
1,4-Dichlorobenzene-d4	3855-82-1	1491259	19.42			
TENTATIVE IDENTIFIED COMPOUNDS						
Decane, 4-methyl-	2847725	68	J	17.83		ug/Kg
Cyclohexane, (2-methylpropyl)-	1678984	55	J	18.79		ug/Kg
Undecane, 2,6-dimethyl-	17301234	48	J	23.02		ug/Kg
2-Hexyl-1-decanol	0	61	J	24.09		ug/Kg
Tridecane, 7-methyl-	26730143	140	J	24.45		ug/Kg
1-Tetradecene	1120361	71	J	25.40		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	88	J	26.94		ug/Kg
Naphthalene, 1-methyl-	90120	46	J	27.54		ug/Kg
Naphthalene, 2,6-dimethyl-	581420	72	J	30.38		ug/Kg

Volatiles

SW-846

PDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062605.D

Analytical Run ID: VA061202

Dilution: 2

Instrument ID: MSV0AA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 52

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 7.1	U	21	7.1	ug/Kg
Bromomethane	74-83-9	< 4.2	U	21	4.2	ug/Kg
Vinyl chloride	75-01-4	< 4.2	U	21	4.2	ug/Kg
Chloroethane	75-00-3	< 5.4	U	21	5.4	ug/Kg
Methylene Chloride	75-09-2	< 5.4	U	21	5.4	ug/Kg
Acetone	67-64-1	< 15	U	21	15	ug/Kg
Carbon disulfide	75-15-0	< 5.4	U	21	5.4	ug/Kg
1,1-Dichloroethene	75-35-4	< 4.6	U	21	4.6	ug/Kg
1,2-Dichloroethane	75-34-3	< 3.8	U	21	3.8	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 4.6	U	21	4.6	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 3.8	U	21	3.8	ug/Kg
Chloroform	67-66-3	< 4.2	U	21	4.2	ug/Kg
1,2-Dichloroethane	107-06-2	< 4.6	U	21	4.6	ug/Kg
2-Butanone	78-93-3	< 22	U	21	22	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 4.2	U	21	4.2	ug/Kg
Carbon Tetrachloride	56-23-5	< 8.8	U	21	8.8	ug/Kg
Bromodichloromethane	75-27-4	< 3.3	U	21	3.3	ug/Kg
1,2-Dichloropropane	78-87-5	< 3.3	U	21	3.3	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 3.8	U	21	3.8	ug/Kg
Trichloroethene	79-01-6	< 4.2	U	21	4.2	ug/Kg
Dibromochloromethane	124-48-1	< 3.8	U	21	3.8	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 4.6	U	21	4.6	ug/Kg
Benzene	71-43-2	< 4.2	U	21	4.2	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 4.2	U	21	4.2	ug/Kg
Bromoform	75-25-2	< 4.6	U	21	4.6	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 17	U	21	17	ug/Kg
2-Hexanone	591-78-6	< 25	U	21	25	ug/Kg
Tetrachloroethene	127-18-4	< 5.0	U	21	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 4.2	U	21	4.2	ug/Kg
Toluene	108-88-3	< 4.6	U	21	4.6	ug/Kg
Chlorobenzene	108-90-7	< 4.6	U	21	4.6	ug/Kg
Ethyl Benzene	100-41-4	< 4.2	U	21	4.2	ug/Kg
Styrene	100-42-5	< 5.8	U	21	5.8	ug/Kg
m/p-Xylenes	136777-61-2	< 12	U	21	12	ug/Kg

Volatiles

SW-846

SDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-02

Client ID: BS-2512-16

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/26/02

Matrix: SOIL

File ID: VA062605.D

Analytical Run ID: VA061202

Dilution: 2

Instrument ID: MSVOAA

Analytical Method: 8260

Associated Blank: VBA0626S2

Sample Wt/Wol: 5.0 Units: g

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 52

Parameter	CAS Number	Concentration	U	RDL	MDL	Units
o-xylene	95-47-6	6.0	J	21	4.6	ug/Kg

SURROGATES

1,2-Dichloroethane-d4	79-00-5	46.03	92 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	47.86	96 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	37.65	75 %	74 - 121		SPK: 50
Dibromofluoromethane		51.49	103 %	80 - 120		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	2392946	5.88			
1,4-Difluorobenzene	340-36-3	2620923	7.69			
Chlorobenzene-d5	3114-55-4	1999199	13.91			
1,4-Dichlorobenzene-d4	3855-82-1	1174040	19.42			

TENTATIVE IDENTIFIED COMPOUNDS

Nonane, 4-methyl-	17301949	200	J	16.06		ug/Kg
Octadecane, 1-chloro-	3386332	240	J	17.24		ug/Kg
Decane, 4-methyl-	2847725	260	J	17.81		ug/Kg
Decane, 5-methyl-	13151354	160	J	18.88		ug/Kg
Decane, 2-methyl-	6975980	490	J	20.08		ug/Kg
Undecane, 2,6-dimethyl-	17301234	190	J	24.04		ug/Kg
Octane, 2,3,7-trimethyl-	62016346	450	J	24.43		ug/Kg
Tridecane	629505	200	J	25.22		ug/Kg
Dodecane, 2,6,11-trimethyl-	31295564	240	J	26.92		ug/Kg
Dodecane	112403	346	J	22.76		ug/Kg

Volatiles

SW-846

SDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-06

Client ID: RINSEBLANK

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: WATER

File ID: VD062507.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSV0AD

Analytical Method: 8260

Associated Blank: VBD0625W1

Sample Wt/Wol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units

TARGETS

Chloromethane	74-87-3	< 0.51	U	5.0	0.51	ug/L
Bromomethane	74-83-9	< 0.38	U	5.0	0.38	ug/L
Vinyl chloride	75-01-4	< 0.79	U	5.0	0.79	ug/L
Chloroethane	75-00-3	< 2.4	U	5.0	2.4	ug/L
Methylene Chloride	75-09-2	< 1.8	U	5.0	1.8	ug/L
Acetone	67-64-1	< 3.5	U	5.0	3.5	ug/L
Carbon disulfide	75-15-0	< 0.72	U	5.0	0.72	ug/L
1,1-Dichloroethene	75-35-4	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethane	75-34-3	< 0.66	U	5.0	0.66	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.81	U	5.0	0.81	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.62	U	5.0	0.62	ug/L
Chloroform	67-66-3	< 0.61	U	5.0	0.61	ug/L
1,2-Dichloroethane	107-06-2	< 0.56	U	5.0	0.56	ug/L
2-Butanone	78-93-3	< 2.3	U	5.0	2.3	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.75	U	5.0	0.75	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
Bromodichloromethane	75-27-4	< 0.73	U	5.0	0.73	ug/L
1,2-Dichloropropane	78-87-5	< 0.73	U	5.0	0.73	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.66	U	5.0	0.66	ug/L
Trichloroethene	79-01-6	< 0.72	U	5.0	0.72	ug/L
Dibromochloromethane	124-48-1	< 0.66	U	5.0	0.66	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.62	U	5.0	0.62	ug/L
Benzene	71-43-2	< 0.71	U	5.0	0.71	ug/L
trans-1,3-Dichloropropene	10061-02-6	< 0.66	U	5.0	0.66	ug/L
Bromoform	75-25-2	< 0.49	U	5.0	0.49	ug/L
4-Methyl-2-Pentanone	108-10-1	< 0.81	U	5.0	0.81	ug/L
2-Hexanone	591-78-6	< 0.60	U	5.0	0.60	ug/L
Tetrachloroethene	127-18-4	< 0.70	U	5.0	0.70	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.70	U	5.0	0.70	ug/L
Trichlorobenzene	108-88-3	< 0.71	U	5.0	0.71	ug/L
Chlorobenzene	108-90-7	< 0.78	U	5.0	0.78	ug/L
Ethyl Benzene	100-41-4	< 0.76	U	5.0	0.76	ug/L
Styrene	100-42-5	< 0.92	U	5.0	0.92	ug/L
m/p-Xylenes	136777-61-2	< 1.5	U	5.0	1.5	ug/L

Volatiles

SW-846

SDG No.: P3099

Client: MAC Consultants, Inc.

Sample ID: P3099-06

Client ID: RINSEBLANK

Date Collected: 6/19/02

Date Received: 6/21/02

Date Analyzed: 6/25/02

Matrix: WATER

File ID: VD062507.D

Analytical Run ID: VD060602

Dilution: 1

Instrument ID: MSVOAD

Analytical Method: 8260

Associated Blank: VBD0625W1

Sample Wt/Vol: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
o-Xylene	95-47-6	< 0.72	0	5.0	0.72	ug/L

SURROGATES

1,2-Dichloroethane-d4	79-00-5	45.3	91 %	68 - 135		SPK: 50
Toluene-d8	2037-26-5	50.75	102 %	70 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	50.51	101 %	70 - 125		SPK: 50
Dibromofluoromethane		47.89	96 %	70 - 125		SPK: 50

INTERNAL STANDARDS

Pentafluorobenzene	363-72-4	781770	12.88			
1,4-Difluorobenzene	540-36-3	1341826	15.26			
Chlorobenzene-d5	3114-55-4	1266929	22.81			
1,4-Dichlorobenzene-d4	3855-82-1	522937	29.20			