ecology and environment, inc.
International Specialists in the Environment
720 Third Avenue, Suite 1700, Seattle, WA 98104
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MEMORANDUM

DATE: August 29, 2008

TO: Renee Nordeen, START-3 Project Manager, E & E, Seattle, WA

FROM: Mark Woodke, START-3 Chemist, E & E, Seattle, Washington MW

SUBJ: **Organic Data Summary Check,**
Bremerton Gasworks Properties, Bremerton, Washington

REF: TDD: 07-01-0008 PAN: 002233.0178.01BR

The data summary check of 20 soil samples collected from the Bremerton Gasworks Properties site located in Bremerton, Washington, has been completed. Analysis for volatile and semivolatile organic compounds (EPA CLP SOW SOM01.2) was performed by KAP Technologies, Inc., The Woodlands, Texas.

The samples were numbered:

J8K63	J8K64	J8K65	J8K66	J8K68
J8K69	J8K70	J8K71	J8K72	J8K73
J8K79	J8K80	J8K81	J8K91	J8K30
J8K31	J8K32	J8K33	J8K34	J8K35

No discrepancies were noted. The secondary reviewer added "Q" bias qualifiers to positive results less than the Contract Required Quantitation Limit.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, Washington 98101

August 25, 2008

Reply to
Attn of: OEA-095

MEMORANDUM

Subject: Data Review Report for the Volatile, Semi-Volatile Organic (SVOC / SIM) Analyses of Samples collected from the Bremerton Gasworks Brownfield Site
Case: 37435 SDGs: J8K63

From: Raymond Wu, Chemist
Office of Environmental Assessment 8/25/08

To: Joanne LaBaw, Site Assessment Manager
Office of Environmental Cleanup

CC: Renee Nordeen, Project Manager
Ecology and Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of 20 soil samples collected from the above referenced site has been completed. Samples were analyzed for Volatile, Semi-Volatile (SVOC/SIM) in accordance with the USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Organic Analyses (SOM01.2) by KAP Technologies, Inc. in The Woodlands, Texas. The following samples were evaluated in this validation report:

SDG: J8K63

J8K63	J8K64	J8K65	J8K66	J8K68	J8K69	J8K70
J8K71	J8K72	J8K73	J8K79	J8K80	J8K81	J8K91
J8K30	J8K31	J8K32	J8K33	J8K34	J8K35	

DATA QUALIFICATIONS

The following comments refer to the laboratory performance in meeting the Quality Control specifications outlined in the Sampling and Quality Assurance Plan July 1, 2008, prepared by Ecology and Environment, USEPA CLP SOW for Organic Analysis (SOM01.2, 05/2008), and the applicable criteria set forth in the USEPA Contract Laboratory Program's National Functional Guidelines for Organic Data Review (07/2007). The data reviews conducted on these analyses were based on the QC Forms and Sample Data Summary Forms submitted by the laboratories. Review of the raw data of the analyses was not conducted. The conclusions presented herein are based on the information provided for the review.

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Please note:

1) The original Chain of custody forms had some inconsistencies (eg. sampling date and time, missing preservation information) & they were later reconciled by the sampling contractor. Clarifications were received as emails from the sampling contractor.
2) Sample results are reported from the combination of Full Scan, Full Scan Dilution, SIM and SIM dilution runs.
3) Some of the VOC, SVOC and SIM reporting limits were reported by the contract lab at higher concentration levels than those listed in the QAPP (MA 1568.0).
4) Matrix effects were widely observed in this SDG.

The samples were evaluated based on the following QC elements:

$ Holding Time
$ Method and Trip Blanks
$ Initial and Continuing Calibration
$ Surrogate Recoveries
$ Lab Control Spike Recovery
$ Target Compound and Reporting Limits
$ GC/MS Spectra Matching Criteria

Overall Assessment

All of the samples met the technical acceptance criteria for each of the QC elements listed above with the exception of the following:

Four ICALs (two VOC, one SVOC & one SIM) were evaluated in this report. They met the technical acceptance criteria for the percent relative standard deviations (%RSDs) and the minimum relative response factors (RRFs) for all target compounds and surrogates with the exception of the following:

5/22/08 @ 14:02 (VOC) & 6/11/08@17:02 (SVOC)

$ The %RSD of Chloroethane (34.1%) in the VOC initial calibration exceeded the control limit of 30%. Recalculation of the %RSD indicated that it was not linear at the high end of the curve and the corresponding samples would be J/None qualified for this analyte.

$ The %RSD of 2-Hexanone (34.5%) in the VOC initial calibration exceeded the control limit of 30%. Recalculation of the %Reds indicated that it was not linear at the low end of the curve and the corresponding samples would be J/UJ qualified for this analyte.

$ The %RSD of Hexachlorocyclopentadiene (35.6%), 2,4-Dinitrophenol (36.8%) and Pentachlorophenol (37.2%) in the SVOC initial calibration exceeded the control limit of 30%. Recalculation of the %RSDs indicated that they were not linear at the low end of

the curve and the corresponding samples would be J/UJ qualified for those analytes.

$ All of the CCV checks met the criteria for frequency of analysis, the SOW specified, minimum RRFs and %Ds as compared to the initial calibration with the exception of the following:

"VOC"

Date/Time of Analysis/ Inst.	Compound	%D	Qualifier Detect/Non-detect	Associated Samples
05/23/08 18:43 B-5973 (opening ccv)	Naphthalene	38.0	J/None	J8K63
5/25/08 23:00 B-5973 (opening ccv)	Trichlorofluoromethane	34.3	J/None	J8K69, J8K69DL
5/27/08 07:23 B-5973 (opening ccv)	Methyl Acetate	29.7	J/None	J8K71, J8K71DL J8K79, J8K81

"SVOC"

Date/Time of Analysis/ Inst.	Compound	%D	Qualifier Detect/Non-detect	Associated Samples
06/12/08 07:54 G-5973 (opening ccv)	Pentachlorophenol	29.7	J/None	J8K68, J8K69 J8K68DL,J8K69DL J8K68DL2,J8K69DL2 J8K91
06/12/08 22:23 G-5973 (opening ccv)	Hexachlorocyclopentadiene	-34.7	J/UJ	J8K31 -> J8K35 J8K63 -> J8K66 J8K70
	Pentachlorophenol	-35.2	J/UJ	"
	Di-n-octylphthalate	38.9	J/None	"
	Benzidine	33.5	J/None	"
06/13/08 08:16 G-5973 (opening ccv)	Di-n-octylphthalate	36.1	J/None	J8K71 -> J8K73 J8K79 -> J8K81
06/13/08 18:54 G-5973 (opening ccv)	Hexachlorocyclopentadiene	-39.1	J/UJ	J8K30, J8K70DL J8K71DL
	4,6-Dinitro-2-methylphenol	-36.0	J/UJ	"
	Di-n-octylphthalate	37.4	J/None	"

"SIM"

Date/Time of Analysis/ Inst.	Compound	%D	Qualifier Detect/Non-detect	Associated Samples
06/15/08 00:20 G-5973 (opening ccv)	Dibenzo(a,h)anthracene	36.5	J/None	J8K31 -> J8K32 J8K63 -> J8K64 J8K70
06/15/08 12:38 G-5973 (opening ccv)	Dibenzo(a,h)anthracene	30.8	J/None	J8K33 -> J8K35 J8K30, J8K81 J8K65 -> J8K66 J8K91
06/15/08 23:11 G-5973 (opening ccv)	Acenaphthylene	29.9	J/None	J8K68 -> J8K69 J8K71 -> J8K73 J8K70DL,J8K71DL J8K79 -> J8K80

VOC DMCs (Soil)	Recovery Limits (%)	VOC DMCs (Soil)	Recovery Limits (%)
Vinyl Chloride-d3 (VCL)	68-122	1,2-Dichloropropane-d6 (DPA)	74-124
Chloroethane-d5 (CLA)	61-130	Toluene-d8 (TOL)	78-121
1,1-Dichloroethene-d2 (DCE)	45-132	Trans-1,3-Dichloropropene-d4 (TDP)	72-130
2-Butanone-d5 (BUT)	20-182	2-Hexanone-d5 (HEX)	17-184
Chloroform-d (CLF)	72-123	1,4-Dioxane-d8 (DXE)	50-150
1,2-Dichloroethane-d4 (DCA)	79-122	1,1,2,2-Tetrachloroethane-d2 (TCA)	56-161
Benzene-d6 (BEN)	80-121	1,2-Dichlorobenzene-d4 (DCZ)	70-131

All of the volatile surrogate recoveries met the applicable recovery criteria with exception of the following:

All of the SVOC/SIM surrogate recoveries met the applicable recovery criteria with exception of the following:

"SVOC / SIM"

Sample	DMC	%Recovery	Qualification Detects/Non-detects	Associated VOCs
J8K68	4MP	0	J/UJ	2-Methylphenol, 4-Methylphenol, 2,4-Dimethylphenol
	NBZ	195	J/None	Acetophenone, N-Nitroso-di-n-propylamine, Hexachloroethane, Nitrobenzene, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, N-Nitrosodiphenylamine
	2NP	1	J/UJ	Isophorone, 2-Nitrophenol
	DCP	4	J/UJ	2,4-Dichlorophenol, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 1,2,4,5-Tetrachlorobenzene, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol
	4CA	0	J/UJ	4-Chloroaniline, Hexachlorocyclopentadiene, 3,3'-Dichlorobenzidine
	DMP	2	J/UJ	Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butylphthalate, Butylbenzylphthalate, bis(2-Ethylhexyl) phthalate, Di-n-octylphthalate
	ACY	4	J/UJ	Naphthalene, 2-Methylnaphthalene, 2-Chloronaphthalene, Acenaphthylene, Acenaphthene
	4NP	0	J/UJ	2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline
	FLR	7	J/UJ	Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenyl ether, Carbazole
	PYR	10	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene
	BAP	24	J/UJ	Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno91,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene
J8K69	PHL	10	J/UJ	Benzaldehyde, Phenol
	BCE	9	J/UJ	Bis-(2-Chloroethyl) ether, 2,2'-oxybis(1-Chloropropane), bis(2-Chloroethoxy) methane

"VOC"

Sample	DMC	%Recovery	Qualification Detects/Non-detects	Associated VOCs
J8K66	VCL	52	J/UJ	Vinyl Chloride
J8K79	DCA	141	J/None	Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl Acetate, Methylene Chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dibromoethane, 1,2-Dichloroethane
J8K91	DCA	126	J/None	"
J8K30	DCA	128	J/None	"
J8K33	DCA	126	J/None	"
J8K34	DCA	129	J/None	"
J8K35	DCA	131	J/None	"

"SVOC"

SVOC DMCs (Soil)	Recovery Limits (%)	SVOC DMCs (Soil)	Recovery Limits (%)
Phenol-d5 (PHL)	17-103	Dimethylphthalate-d6 (DMP)	43-111
Bis-(2-chloroethyl) ether-d8 (BCE)	12-98	Acenapthylene-d8 (ACY)	20-97
2-chlorophenol-d4 (2CP)	13-101	4-Nitrophenol-d4 (4NP)	16-166
4-Methylphenol-d8 (4MP)	8-100	Fluorene-d10 (FLR)	40-108
Nitrobenzene-d5 (NBZ)	16-103	4,6-Dinitro-2-methylphenol-d2 (NMP)	1-121
2-Nitrophenol-d4 (2NP)	16-104	Anthracene-d10 (ANC)	22-98
2,4-Dichlorophenol-d3 (DCP)	23-104	Pyrene-d10 (PYR)	51-120
4-chloroaniline-d4 (4CA)	1-145	Benzo(a)pyrene-d12 (BAP)	43-111
Fluoranthene-d10 (FLN)#	50-150	2-Methylnaphthalene-d10 (2MN)#	50-150

# denotes SVOC-SIM surrogates

	2CP	11	J/UJ	2-Chlorophenol
	NBZ	12	J/UJ	Acetophenone, N-Nitroso-di-n-propylamine, Hexachloroethane, Nitrobenzene, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, N-Nitrosodiphenylamine
	2NP	10	J/UJ	Isophorone, 2-Nitrophenol
	DCP	12	J/UJ	2,4-Dichlorophenol, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 1,2,4,5-Tetrachlorobenzene, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol
	DMP	10	J/UJ	Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butylphthalate, Butylbenzylphthalate, bis(2-Ethylhexyl) phthalate, Di-n-octylphthalate
	ACY	10	J/UJ	Naphthalene, 2-Methylnaphthalene, 2-Chloronaphthalene, Acenaphthylene, Acenaphthene
	FLR	12	J/UJ	Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenyl ether, Carbazole
	ANC	9	J/UJ	Hexachlorobenzene, Atrazine, Phenanthrene, Anthracene
J8K68 (SIM)	FLN	0	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluroranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene
	2MN	0	J/UJ	Naphthalene, 2-Methylnaphthalene, Acenapthylene, Acenaphthene, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene
J8K69 (SIM)	FLN	0	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluroranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene
	2MN	2500	J/None	Naphthalene, 2-Methylnaphthalene, Acenapthylene, Acenaphthene, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene
J8K73 (SIM)	FLN	2	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluroranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

Internal Standards

SVOC

The acceptance criteria for internal standards (IS) are +/- 30 seconds for retention time (RT) shifts and -50% to 200% of the IS area as compared to the IS RT and area of the daily continuing calibration standard. All of the results met the IS area and RT shift criteria with exceptions of the following:

- J8K33 - Internal Standard #6 was higher than the QC limits
- J8K68 - Internal Standards #3, 4, 5, 6 were higher than the QC limits
- J8K69 - Internal Standards #4 & 5 were higher than the QC limits
- J8K79 - Internal Standards #1, 2, 3, 4, 5 were lower than the QC limits

The corresponding compounds were qualified as J/None. They are as follows:

- J8K33
  For IS #6 (Perylene-d12)
  Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

- J8K68
  For IS#3 (Acenaphthene-d10)
  Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, 1,1'-Biphenyl, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 3-Nitroaniline, Acenaphthylene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 1,2,4,5-Tetrachlorobenzene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline

  For IS #4 (Phenanthrene-d10)
  4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, 4-Bromophenyl-phenylether, Hexachlorobenzene, Atrazine, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

  For IS #5 (Chrysene-d12)
  Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Bis(2-ethylhexyl) phthalate, Chrysene

  For IS #6 (Perylene-d12)
  Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

- J8K69
  For IS#4 (Phenanthrene-d10)

4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, 4-Bromophenyl-phenylether, Hexachlorobenzene, Atrazine, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

For IS#5 (Chrysene-d12)
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Bis(2-ethylhexyl) phthalate, Chrysene

The corresponding compounds were qualified as J/UJ. They are as follows:

- J8K79
  For IS#1 (1,4-Dichlorobenzene-d4)
  Benzaldehyde, Phenol, Bis(2-chloroethyl) ether, 2-Chlorophenol, 2-Methylphenol, 2,2'-oxybis-(1-chloro-propane), Acetophenone, 4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane

  For IS#2 (Naphthalene-d8)
  Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, Bis(2-chloroethoxy)methane, 2,4-Dichlorophenol, 4-Chloroaniline, Hexachlorobutadiene, Caprolactam, 4-chloro-3-methylphenol, 2-Methylnaphthalene, Naphthalene

  For IS#3 (Acenaphthene-d10)
  Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, 1,1'-Biphenyl, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 3-Nitroaniline, Acenaphthylene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 1,2,4,5-Tetrachlorobenzene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline

  For IS#4 (Phenanthrene-d10)
  4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, 4-Bromophenyl-phenylether, Hexachlorobenzene, Atrazine, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

  For IS#5 (Chrysene-d12)
  Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Bis(2-ethylhexyl) phthalate, Chrysene

  For IS #6 (Perylene-d12)
  Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16461

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 13 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl chloride	1.1	U
74-83-9	Bromomethane	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U
67-64-1	Acetone	5.7	U
75-15-0	Carbon disulfide	1.1	U
79-20-9	Methyl acetate	1.1	U
75-09-2	Methylene chloride	2.8	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.1	U
1634-04-4	Methyl tert-butyl ether	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	U
78-93-3	2-Butanone	5.7	U
74-97-5	Bromochloromethane	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
110-82-7	Cyclohexane	1.1	U
56-23-5	Carbon tetrachloride	1.1	U
71-43-2	Benzene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
123-91-1	1,4-Dioxane	110	U
79-01-6	Trichloroethene	1.1	U
108-87-2	Methylcyclohexane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
108-10-1	4-Methyl-2-pentanone	5.7	U
108-88-3	Toluene	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16461

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 13 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.1	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
95-47-6	o-Xylene	1.1	U
179601-23-1	m,p-Xylene	1.1	U
100-42-5	Styrene	1.1	U
75-25-2	Bromoform	1.1	U
98-82-8	Isopropylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	1.1	U
67-72-1	Hexachloroethane	2.3	U
91-20-3	Naphthalene	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16461

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 13 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000109-99-9	Furan, tetrahydro-	6.72	5.9	NJ
02		Unknown-01	11.11	6.9	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	9.3	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

00043

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 100.0 (g/mL) G Lab File ID: G0896

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	23	U
108-95-2	Phenol	23	U
111-44-4	Bis(2-chloroethyl)ether	23	U
95-57-8	2-Chlorophenol	23	U
95-48-7	2-Methylphenol	23	U
108-60-1	2,2'-Oxybis(1-chloropropane)	23	U
98-86-2	Acetophenone	23	U
106-44-5	4-Methylphenol	23	U
621-64-7	N-Nitroso-di-n-propylamine	23	U
67-72-1	Hexachloroethane	23	U
98-95-3	Nitrobenzene	23	U
78-59-1	Isophorone	23	U
88-75-5	2-Nitrophenol	23	U
105-67-9	2,4-Dimethylphenol	23	U
111-91-1	Bis(2-chloroethoxy)methane	23	U
120-83-2	2,4-Dichlorophenol	23	U
91-20-3	Naphthalene	23	U
106-47-8	4-Chloroaniline	23	U
87-68-3	Hexachlorobutadiene	23	U
105-60-2	Caprolactam	23	U
59-50-7	4-Chloro-3-methylphenol	23	U
91-57-6	2-Methylnaphthalene	23	U
77-47-4	Hexachlorocyclopentadiene	57	UJ
88-06-2	2,4,6-Trichlorophenol	23	U
95-95-4	2,4,5-Trichlorophenol	23	U
92-52-4	1,1'-Biphenyl	23	U
91-58-7	2-Chloronaphthalene	23	U
88-74-4	2-Nitroaniline	46	U
131-11-3	Dimethylphthalate	23	U
606-20-2	2,6-Dinitrotoluene	23	U
208-96-8	Acenaphthylene	32	
99-09-2	3-Nitroaniline	46	U
83-32-9	Acenaphthene	23	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	46	U
132-64-9	Dibenzofuran	23	U
121-14-2	2,4-Dinitrotoluene	23	U

8/22/08

SOM01.2 (6/2007)

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 100.0 (g/mL) G Lab File ID: G0896

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	23	U
86-73-7	Fluorene	23	U
7005-72-3	4-Chlorophenyl-phenylether	23	U
100-01-6	4-Nitroaniline	46	U
534-52-1	4,6-Dinitro-2-methylphenol	46	UJ
86-30-6	N-Nitrosodiphenylamine 1	23	U
95-94-3	1,2,4,5-Tetrachlorobenzene	23	U
101-55-3	4-Bromophenyl-phenylether	23	U
118-74-1	Hexachlorobenzene	23	U
1912-24-9	Atrazine	23	U
87-86-5	Pentachlorophenol	23	UJ
85-01-8	Phenanthrene	23	U
120-12-7	Anthracene	23	U
86-74-8	Carbazole	23	U
84-74-2	Di-n-butylphthalate	23	U
206-44-0	Fluoranthene	31	
129-00-0	Pyrene	39	
85-68-7	Butylbenzylphthalate	23	U
91-94-1	3,3'-Dichlorobenzidine	23	U
56-55-3	Benzo(a)anthracene	20	J Q
218-01-9	Chrysene	35	
117-81-7	Bis(2-ethylhexyl)phthalate	290	
117-84-0	Di-n-octylphthalate	23	U
205-99-2	Benzo(b)fluoranthene	23	J Q
207-08-9	Benzo(k)fluoranthene	55	
50-32-8	Benzo(a)pyrene	68	
193-39-5	Indeno(1,2,3-cd)pyrene	55	
53-70-3	Dibenzo(a,h)anthracene	20	J Q
191-24-2	Benzo(g,h,i)perylene	67	
58-90-2	2,3,4,6-Tetrachlorophenol	23	U
92-87-5	Benzidine	23	U
95-50-1	1,2-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
62-75-9	N-Nitrosodimethylamine	23	U
95-63-6	1,2,4-Trimethylbenzene	23	U
108-67-8	1,3,5-Trimethylbenzene	23	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 100.0 (g/mL) G Lab File ID: G0896

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.09	190	~~J~~N
02	022627-95-8	Fenchol, exo-	7.42	150	NJ
03		Unknown-02	10.28	200	JN
04		Unknown-03	14.90	87	JN
05	000084-74-2	Dibutyl phthalate	15.12	91	NJ
06		Unknown-04	15.23	140	JN
07		Unknown-05	15.35	97	J
08		Unknown-06	15.43	100	J
09		Unknown-07	15.50	120	J
10	002789-88-0	di-p-Tolylacetylene	15.59	210	NJ
11		Unknown-08	18.66	130	JN
12		Unknown-09	19.36	79	J
13		Unknown-10	19.50	73	J
14		Unknown-11	19.79	96	J
15		Unknown-12	19.99	100	J
16		Unknown-13	20.04	81	J
17		Unknown-14	20.22	74	J
18		Unknown-15	20.60	81	J
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	120	JN

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K30

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.02

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0956

Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.3	U
85-01-8	Phenanthrene	1.3	
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	2.3	
129-00-0	Pyrene	3.5	
56-55-3	Benzo(a)anthracene	1.5	
218-01-9	Chrysene	2.4	
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.4	
50-32-8	Benzo(a)pyrene	1.5	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02456

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16462

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 10 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.2	U
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	6.2	U
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	2.7	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.2	U
1634-04-4	Methyl tert-butyl ether	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	U
78-93-3	2-Butanone	6.2	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
123-91-1	1,4-Dioxane	120	U
79-01-6	Trichloroethene	1.2	U
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	6.2	U
108-88-3	Toluene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16462

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 10 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.2	U
591-78-6	2-Hexanone	6.2	U
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
95-47-6	o-Xylene	1.2	U
179601-23-1	m,p-Xylene	1.2	U
100-42-5	Styrene	1.2	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	U
87-68-3	Hexachlorobutadiene	1.2	U
67-72-1	Hexachloroethane	2.5	U
91-20-3	Naphthalene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16462

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 10 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.06	4.9	JN
02		Unknown-02	11.11	6.5	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	4.4	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

00045

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0865

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 4.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	22	U
108-95-2	Phenol	22	U
111-44-4	Bis(2-chloroethyl)ether	22	U
95-57-8	2-Chlorophenol	22	U
95-48-7	2-Methylphenol	22	U
108-60-1	2,2'-Oxybis(1-chloropropane)	22	U
98-86-2	Acetophenone	22	U
106-44-5	4-Methylphenol	22	U
621-64-7	N-Nitroso-di-n-propylamine	22	U
67-72-1	Hexachloroethane	22	U
98-95-3	Nitrobenzene	22	U
78-59-1	Isophorone	22	U
88-75-5	2-Nitrophenol	22	U
105-67-9	2,4-Dimethylphenol	22	U
111-91-1	Bis(2-chloroethoxy)methane	22	U
120-83-2	2,4-Dichlorophenol	22	U
91-20-3	Naphthalene	22	U
106-47-8	4-Chloroaniline	22	U
87-68-3	Hexachlorobutadiene	22	U
105-60-2	Caprolactam	22	U
59-50-7	4-Chloro-3-methylphenol	22	U
91-57-6	2-Methylnaphthalene	22	U
77-47-4	Hexachlorocyclopentadiene	56	UJ
88-06-2	2,4,6-Trichlorophenol	22	U
95-95-4	2,4,5-Trichlorophenol	22	U
92-52-4	1,1'-Biphenyl	22	U
91-58-7	2-Chloronaphthalene	22	U
88-74-4	2-Nitroaniline	44	U
131-11-3	Dimethylphthalate	22	U
606-20-2	2,6-Dinitrotoluene	22	U
208-96-8	Acenaphthylene	22	U
99-09-2	3-Nitroaniline	44	U
83-32-9	Acenaphthene	22	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	44	U
132-64-9	Dibenzofuran	22	U
121-14-2	2,4-Dinitrotoluene	22	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0865

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 4.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	22	U
86-73-7	Fluorene	22	U
7005-72-3	4-Chlorophenyl-phenylether	22	U
100-01-6	4-Nitroaniline	44	U
534-52-1	4,6-Dinitro-2-methylphenol	44	U
86-30-6	N-Nitrosodiphenylamine 1	22	U
95-94-3	1,2,4,5-Tetrachlorobenzene	22	U
101-55-3	4-Bromophenyl-phenylether	22	U
118-74-1	Hexachlorobenzene	22	U
1912-24-9	Atrazine	22	U
87-86-5	Pentachlorophenol	22	UJ
85-01-8	Phenanthrene	22	U
120-12-7	Anthracene	22	U
86-74-8	Carbazole	22	U
84-74-2	Di-n-butylphthalate	13	JQ
206-44-0	Fluoranthene	22	U
129-00-0	Pyrene	22	U
85-68-7	Butylbenzylphthalate	22	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	22	U
218-01-9	Chrysene	22	U
117-81-7	Bis(2-ethylhexyl)phthalate	120	
117-84-0	Di-n-octylphthalate	22	U
205-99-2	Benzo(b)fluoranthene	22	U
207-08-9	Benzo(k)fluoranthene	22	U
50-32-8	Benzo(a)pyrene	22	U
193-39-5	Indeno(1,2,3-cd)pyrene	22	U
53-70-3	Dibenzo(a,h)anthracene	22	U
191-24-2	Benzo(g,h,i)perylene	22	U
58-90-2	2,3,4,6-Tetrachlorophenol	22	U
92-87-5	Benzidine	22	U
95-50-1	1,2-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
541-73-1	1,3-Dichlorobenzene	22	U
62-75-9	N-Nitrosodimethylamine	22	U
95-63-6	1,2,4-Trimethylbenzene	22	U
108-67-8	1,3,5-Trimethylbenzene	22	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0865

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 4.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	51	J~~J~~N
02		Unknown-02	2.31	62	J
03		Unknown-03	3.09	180	J
04		Unknown-04	4.92	53	J
05		Unknown-05	8.13	68	J
06		Unknown-06	8.61	80	J
07		Unknown-07	10.17	51	J
08	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	270	NJ
09	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.59	74	NJ
10	007683-64-9	Squalene	18.24	43	NJ
11		Unknown-08	19.35	53	JN
12		Unknown-09	20.22	52	J
13		Unknown-10	21.33	59	J
14		Unknown-11	22.74	53	J
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01129

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K31

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.03

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0943

Extraction: (Type) SONC

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 4.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	0.91	J Q
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	0.96	J Q
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	1.1	U
129-00-0	Pyrene	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	J Q
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	0.99	J Q

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02165

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 3.900 (g/mL) G Lab File ID: B16463

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 6.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.4	U
74-87-3	Chloromethane	1.4	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.4	U
75-00-3	Chloroethane	1.4	U
75-69-4	Trichlorofluoromethane	1.4	U
75-35-4	1,1-Dichloroethene	1.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U
67-64-1	Acetone	6.8	U
75-15-0	Carbon disulfide	1.4	U
79-20-9	Methyl acetate	1.4	U
75-09-2	Methylene chloride	1.6	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.4	U
1634-04-4	Methyl tert-butyl ether	1.4	U
75-34-3	1,1-Dichloroethane	1.4	U
156-59-2	cis-1,2-Dichloroethene	1.4	U
78-93-3	2-Butanone	6.8	U
74-97-5	Bromochloromethane	1.4	U
67-66-3	Chloroform	1.4	U
71-55-6	1,1,1-Trichloroethane	1.4	U
110-82-7	Cyclohexane	1.4	U
56-23-5	Carbon tetrachloride	1.4	U
71-43-2	Benzene	1.4	U
107-06-2	1,2-Dichloroethane	1.4	U
123-91-1	1,4-Dioxane	140	U
79-01-6	Trichloroethene	1.4	U
108-87-2	Methylcyclohexane	1.4	U
78-87-5	1,2-Dichloropropane	1.4	U
75-27-4	Bromodichloromethane	1.4	U
10061-01-5	cis-1,3-Dichloropropene	1.4	U
108-10-1	4-Methyl-2-pentanone	6.8	U
108-88-3	Toluene	1.4	U
10061-02-6	trans-1,3-Dichloropropene	1.4	U
79-00-5	1,1,2-Trichloroethane	1.4	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 3.900 (g/mL) G Lab File ID: B16463

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 6.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.4	U
591-78-6	2-Hexanone	6.8	U
124-48-1	Dibromochloromethane	1.4	U
106-93-4	1,2-Dibromoethane	1.4	U
108-90-7	Chlorobenzene	1.4	U
100-41-4	Ethylbenzene	1.4	U
95-47-6	o-Xylene	1.4	U
179601-23-1	m,p-Xylene	1.4	U
100-42-5	Styrene	1.4	U
75-25-2	Bromoform	1.4	U
98-82-8	Isopropylbenzene	1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U
541-73-1	1,3-Dichlorobenzene	1.4	U
106-46-7	1,4-Dichlorobenzene	1.4	U
95-50-1	1,2-Dichlorobenzene	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1.4	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U
87-61-6	1,2,3-Trichlorobenzene	6.8	U
87-68-3	Hexachlorobutadiene	1.4	U
67-72-1	Hexachloroethane	2.7	U
91-20-3	Naphthalene	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1.4	U
96-18-4	1,2,3-Trichloropropane	1.4	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 3.900 (g/mL) G Lab File ID: B16463

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 6.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000109-99-9	Furan, tetrahydro-	6.72	6.2	NJ
02		Unknown-01	11.14	6.6	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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19					
20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 00174

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0859

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 6.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	21	U
108-95-2	Phenol	21	U
111-44-4	Bis(2-chloroethyl)ether	21	U
95-57-8	2-Chlorophenol	21	U
95-48-7	2-Methylphenol	21	U
108-60-1	2,2'-Oxybis(1-chloropropane)	21	U
98-86-2	Acetophenone	21	U
106-44-5	4-Methylphenol	21	U
621-64-7	N-Nitroso-di-n-propylamine	21	U
67-72-1	Hexachloroethane	21	U
98-95-3	Nitrobenzene	21	U
78-59-1	Isophorone	21	U
88-75-5	2-Nitrophenol	21	U
105-67-9	2,4-Dimethylphenol	21	U
111-91-1	Bis(2-chloroethoxy)methane	21	U
120-83-2	2,4-Dichlorophenol	21	U
91-20-3	Naphthalene	21	U
106-47-8	4-Chloroaniline	21	U
87-68-3	Hexachlorobutadiene	21	U
105-60-2	Caprolactam	21	U
59-50-7	4-Chloro-3-methylphenol	21	U
91-57-6	2-Methylnaphthalene	21	U
77-47-4	Hexachlorocyclopentadiene	53	UJ
88-06-2	2,4,6-Trichlorophenol	21	U
95-95-4	2,4,5-Trichlorophenol	21	U
92-52-4	1,1'-Biphenyl	21	U
91-58-7	2-Chloronaphthalene	21	U
88-74-4	2-Nitroaniline	42	U
131-11-3	Dimethylphthalate	21	U
606-20-2	2,6-Dinitrotoluene	21	U
208-96-8	Acenaphthylene	21	U
99-09-2	3-Nitroaniline	42	U
83-32-9	Acenaphthene	21	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	42	U
132-64-9	Dibenzofuran	21	U
121-14-2	2,4-Dinitrotoluene	21	U

8/22/08

SOM01.2 (6/2007) 01156

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0859

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 6.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	21	U
86-73-7	Fluorene	21	U
7005-72-3	4-Chlorophenyl-phenylether	21	U
100-01-6	4-Nitroaniline	42	U
534-52-1	4,6-Dinitro-2-methylphenol	42	U
86-30-6	N-Nitrosodiphenylamine 1	21	U
95-94-3	1,2,4,5-Tetrachlorobenzene	21	U
101-55-3	4-Bromophenyl-phenylether	21	U
118-74-1	Hexachlorobenzene	21	U
1912-24-9	Atrazine	21	U
87-86-5	Pentachlorophenol	21	UJ
85-01-8	Phenanthrene	21	U
120-12-7	Anthracene	21	U
86-74-8	Carbazole	21	U
84-74-2	Di-n-butylphthalate	21	U
206-44-0	Fluoranthene	21	U
129-00-0	Pyrene	21	U
85-68-7	Butylbenzylphthalate	19	J
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	21	U
218-01-9	Chrysene	21	U
117-81-7	Bis(2-ethylhexyl)phthalate	150	
117-84-0	Di-n-octylphthalate	21	U
205-99-2	Benzo(b)fluoranthene	21	U
207-08-9	Benzo(k)fluoranthene	21	U
50-32-8	Benzo(a)pyrene	21	U
193-39-5	Indeno(1,2,3-cd)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U
191-24-2	Benzo(g,h,i)perylene	21	U
58-90-2	2,3,4,6-Tetrachlorophenol	21	U
92-87-5	Benzidine	21	U
95-50-1	1,2-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
541-73-1	1,3-Dichlorobenzene	21	U
62-75-9	N-Nitrosodimethylamine	21	U
95-63-6	1,2,4-Trimethylbenzene	21	U
108-67-8	1,3,5-Trimethylbenzene	21	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0859

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 6.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.31	70	JN
02		Unknown-02	2.77	66	J
03		Unknown-03	3.10	160	J
04		Unknown-04	4.92	55	J
05		Unknown-05	8.12	67	J
06		Unknown-06	10.10	54	J
07	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	190	NJ
08		Unknown-07	12.64	55	JN
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01158

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K32

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.04

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0944

Extraction: (Type) SONC

% Moisture: 6.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	0.59	JQ
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.1	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	1.1	U
129-00-0	Pyrene	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	0.71	JQ

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02472

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 4.600 (g/mL) G Lab File ID: B16464

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 15 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.3	U
74-87-3	Chloromethane	1.3	U
75-01-4	Vinyl chloride	1.3	U
74-83-9	Bromomethane	1.3	U
75-00-3	Chloroethane	1.3	U
75-69-4	Trichlorofluoromethane	1.3	U
75-35-4	1,1-Dichloroethene	1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U
67-64-1	Acetone	17	
75-15-0	Carbon disulfide	1.3	U
79-20-9	Methyl acetate	1.3	U
75-09-2	Methylene chloride	1.7	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.3	U
1634-04-4	Methyl tert-butyl ether	1.3	U
75-34-3	1,1-Dichloroethane	1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	U
78-93-3	2-Butanone	6.4	U
74-97-5	Bromochloromethane	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
110-82-7	Cyclohexane	1.3	U
56-23-5	Carbon tetrachloride	1.3	U
71-43-2	Benzene	1.3	U
107-06-2	1,2-Dichloroethane	1.3	U
123-91-1	1,4-Dioxane	130	U
79-01-6	Trichloroethene	1.3	U
108-87-2	Methylcyclohexane	1.3	U
78-87-5	1,2-Dichloropropane	1.3	U
75-27-4	Bromodichloromethane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	U
108-10-1	4-Methyl-2-pentanone	6.4	U
108-88-3	Toluene	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	U

8/22/08

SOM01.2 (6/2007) 16088

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 4.600 (g/mL) G Lab File ID: B16464

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 15 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.3	U
591-78-6	2-Hexanone	6.4	U
124-48-1	Dibromochloromethane	1.3	U
106-93-4	1,2-Dibromoethane	1.3	U
108-90-7	Chlorobenzene	1.3	U
100-41-4	Ethylbenzene	1.3	U
95-47-6	o-Xylene	1.3	U
179601-23-1	m,p-Xylene	1.3	U
100-42-5	Styrene	1.3	U
75-25-2	Bromoform	1.3	U
98-82-8	Isopropylbenzene	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	U
87-68-3	Hexachlorobutadiene	1.3	U
67-72-1	Hexachloroethane	2.6	U
91-20-3	Naphthalene	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U
96-18-4	1,2,3-Trichloropropane	1.3	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 4.600 (g/mL) G Lab File ID: B16464

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 15 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.11	6.5	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All Except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0860

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	23	U
108-95-2	Phenol	23	U
111-44-4	Bis(2-chloroethyl)ether	23	U
95-57-8	2-Chlorophenol	23	U
95-48-7	2-Methylphenol	23	U
108-60-1	2,2'-Oxybis(1-chloropropane)	23	U
98-86-2	Acetophenone	23	U
106-44-5	4-Methylphenol	23	U
621-64-7	N-Nitroso-di-n-propylamine	23	U
67-72-1	Hexachloroethane	23	U
98-95-3	Nitrobenzene	23	U
78-59-1	Isophorone	23	U
88-75-5	2-Nitrophenol	23	U
105-67-9	2,4-Dimethylphenol	23	U
111-91-1	Bis(2-chloroethoxy)methane	23	U
120-83-2	2,4-Dichlorophenol	23	U
91-20-3	Naphthalene	23	U
106-47-8	4-Chloroaniline	23	U
87-68-3	Hexachlorobutadiene	23	U
105-60-2	Caprolactam	23	U
59-50-7	4-Chloro-3-methylphenol	23	U
91-57-6	2-Methylnaphthalene	23	U
77-47-4	Hexachlorocyclopentadiene	59	UJ
88-06-2	2,4,6-Trichlorophenol	23	U
95-95-4	2,4,5-Trichlorophenol	23	U
92-52-4	1,1'-Biphenyl	23	U
91-58-7	2-Chloronaphthalene	23	U
88-74-4	2-Nitroaniline	47	U
131-11-3	Dimethylphthalate	23	U
606-20-2	2,6-Dinitrotoluene	23	U
208-96-8	Acenaphthylene	23	U
99-09-2	3-Nitroaniline	47	U
83-32-9	Acenaphthene	23	U
51-28-5	2,4-Dinitrophenol	120	UJ
100-02-7	4-Nitrophenol	47	U
132-64-9	Dibenzofuran	23	U
121-14-2	2,4-Dinitrotoluene	23	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0860

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	23	U
86-73-7	Fluorene	23	U
7005-72-3	4-Chlorophenyl-phenylether	23	U
100-01-6	4-Nitroaniline	47	U
534-52-1	4,6-Dinitro-2-methylphenol	47	U
86-30-6	N-Nitrosodiphenylamine 1	23	U
95-94-3	1,2,4,5-Tetrachlorobenzene	23	U
101-55-3	4-Bromophenyl-phenylether	23	U
118-74-1	Hexachlorobenzene	23	U
1912-24-9	Atrazine	23	U
87-86-5	Pentachlorophenol	23	UJ
85-01-8	Phenanthrene	23	U
120-12-7	Anthracene	23	U
86-74-8	Carbazole	23	U
84-74-2	Di-n-butylphthalate	23	U
206-44-0	Fluoranthene	23	U
129-00-0	Pyrene	23	U
85-68-7	Butylbenzylphthalate	17	JQ
91-94-1	3,3'-Dichlorobenzidine	23	U
56-55-3	Benzo(a)anthracene	23	U
218-01-9	Chrysene	23	U
117-81-7	Bis(2-ethylhexyl)phthalate	180	
117-84-0	Di-n-octylphthalate	23	U
205-99-2	Benzo(b)fluoranthene	23	U
207-08-9	Benzo(k)fluoranthene	23	U
50-32-8	Benzo(a)pyrene	23	U
193-39-5	Indeno(1,2,3-cd)pyrene	23	U
53-70-3	Dibenzo(a,h)anthracene	23	U
191-24-2	Benzo(g,h,i)perylene	23	U
58-90-2	2,3,4,6-Tetrachlorophenol	23	U
92-87-5	Benzidine	23	U
95-50-1	1,2-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
62-75-9	N-Nitrosodimethylamine	23	U
95-63-6	1,2,4-Trimethylbenzene	23	U
108-67-8	1,3,5-Trimethylbenzene	23	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0860

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.31	72	JN
02		Unknown-02	2.77	85	J
03		Unknown-03	3.10	180	J
04		Unknown-04	8.15	120	J
05		Unknown-05	8.61	82	J
06		Unknown-06	10.17	110	JL
07	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.29	350	NJ
08		Unknown-07	10.59	120	JN
09	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~24.55~~	~~71~~	~~NJB~~
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 91183

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K33

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.05

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0948

Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.2	U
91-57-6	2-Methylnaphthalene	1.2	U
208-96-8	Acenaphthylene	1.2	U
83-32-9	Acenaphthene	1.2	U
86-73-7	Fluorene	1.2	U
87-86-5	Pentachlorophenol	2.3	U
85-01-8	Phenanthrene	1.2	U
120-12-7	Anthracene	1.2	U
206-44-0	Fluoranthene	1.2	U
129-00-0	Pyrene	1.2	U
56-55-3	Benzo(a)anthracene	1.2	U
218-01-9	Chrysene	1.2	U
205-99-2	Benzo(b)fluoranthene	1.2	U
207-08-9	Benzo(k)fluoranthene	1.2	U
50-32-8	Benzo(a)pyrene	1.2	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	U
53-70-3	Dibenzo(a,h)anthracene	1.2	U
191-24-2	Benzo(g,h,i)perylene	1.2	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02478

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 4.700 (g/mL) G Lab File ID: B16465

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 7.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl chloride	1.1	U
74-83-9	Bromomethane	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U
67-64-1	Acetone	16	
75-15-0	Carbon disulfide	1.1	U
79-20-9	Methyl acetate	1.1	U
75-09-2	Methylene chloride	1.3	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.1	U
1634-04-4	Methyl tert-butyl ether	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	U
78-93-3	2-Butanone	5.7	U
74-97-5	Bromochloromethane	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
110-82-7	Cyclohexane	1.1	U
56-23-5	Carbon tetrachloride	1.1	U
71-43-2	Benzene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
123-91-1	1,4-Dioxane	110	U
79-01-6	Trichloroethene	1.1	U
108-87-2	Methylcyclohexane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
108-10-1	4-Methyl-2-pentanone	5.7	U
108-88-3	Toluene	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 4.700 (g/mL) G Lab File ID: B16465

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 7.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.1	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
95-47-6	o-Xylene	1.1	U
179601-23-1	m,p-Xylene	1.1	U
100-42-5	Styrene	1.1	U
75-25-2	Bromoform	1.1	U
98-82-8	Isopropylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	1.1	U
67-72-1	Hexachloroethane	2.3	U
91-20-3	Naphthalene	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 4.700 (g/mL) G Lab File ID: B16465

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 7.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.21	5.3	JN
02		Unknown-02	4.48	6.0	J
03		Unknown-03	11.14	4.6	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
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19					
20					
21					
22					
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24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 00105

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref. No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0861

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	21	U
108-95-2	Phenol	21	U
111-44-4	Bis(2-chloroethyl)ether	21	U
95-57-8	2-Chlorophenol	21	U
95-48-7	2-Methylphenol	21	U
108-60-1	2,2'-Oxybis(1-chloropropane)	21	U
98-86-2	Acetophenone	21	U
106-44-5	4-Methylphenol	21	U
621-64-7	N-Nitroso-di-n-propylamine	21	U
67-72-1	Hexachloroethane	21	U
98-95-3	Nitrobenzene	21	U
78-59-1	Isophorone	21	U
88-75-5	2-Nitrophenol	21	U
105-67-9	2,4-Dimethylphenol	21	U
111-91-1	Bis(2-chloroethoxy)methane	21	U
120-83-2	2,4-Dichlorophenol	21	U
91-20-3	Naphthalene	21	U
106-47-8	4-Chloroaniline	21	U
87-68-3	Hexachlorobutadiene	21	U
105-60-2	Caprolactam	21	U
59-50-7	4-Chloro-3-methylphenol	21	U
91-57-6	2-Methylnaphthalene	21	U
77-47-4	Hexachlorocyclopentadiene	54	UJ
88-06-2	2,4,6-Trichlorophenol	21	U
95-95-4	2,4,5-Trichlorophenol	21	U
92-52-4	1,1'-Biphenyl	21	U
91-58-7	2-Chloronaphthalene	21	U
88-74-4	2-Nitroaniline	43	U
131-11-3	Dimethylphthalate	21	U
606-20-2	2,6-Dinitrotoluene	21	U
208-96-8	Acenaphthylene	21	U
99-09-2	3-Nitroaniline	43	U
83-32-9	Acenaphthene	21	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	43	U
132-64-9	Dibenzofuran	21	U
121-14-2	2,4-Dinitrotoluene	21	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0861

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	21	U
86-73-7	Fluorene	21	U
7005-72-3	4-Chlorophenyl-phenylether	21	U
100-01-6	4-Nitroaniline	43	U
534-52-1	4,6-Dinitro-2-methylphenol	43	U
86-30-6	N-Nitrosodiphenylamine 1	21	U
95-94-3	1,2,4,5-Tetrachlorobenzene	21	U
101-55-3	4-Bromophenyl-phenylether	21	U
118-74-1	Hexachlorobenzene	21	U
1912-24-9	Atrazine	21	U
87-86-5	Pentachlorophenol	21	UJ
85-01-8	Phenanthrene	21	U
120-12-7	Anthracene	21	U
86-74-8	Carbazole	21	U
84-74-2	Di-n-butylphthalate	21	U
206-44-0	Fluoranthene	21	U
129-00-0	Pyrene	21	U
85-68-7	Butylbenzylphthalate	15	JQ
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	21	U
218-01-9	Chrysene	21	U
117-81-7	Bis(2-ethylhexyl)phthalate	130	
117-84-0	Di-n-octylphthalate	21	U
205-99-2	Benzo(b)fluoranthene	21	U
207-08-9	Benzo(k)fluoranthene	21	U
50-32-8	Benzo(a)pyrene	21	U
193-39-5	Indeno(1,2,3-cd)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U
191-24-2	Benzo(g,h,i)perylene	21	U
58-90-2	2,3,4,6-Tetrachlorophenol	21	U
92-87-5	Benzidine	21	U
95-50-1	1,2-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
541-73-1	1,3-Dichlorobenzene	21	U
62-75-9	N-Nitrosodimethylamine	21	U
95-63-6	1,2,4-Trimethylbenzene	21	U
108-67-8	1,3,5-Trimethylbenzene	21	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0861

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 7.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.31	68	JN
02		Unknown-02	3.09	170	J
03		Unknown-03	8.12	85	J
04		Unknown-04	8.61	68	J
05		Unknown-05	10.11	72	J
06	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	290	NJ
07		Unknown-06	10.59	73	JN
08		Unknown-07	12.64	63	J
09		Unknown-08	21.04	110	J
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01207

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K34

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.06

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0949

Extraction: (Type) SONC

% Moisture: 7.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.1	U
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.1	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	1.1	U
129-00-0	Pyrene	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

12481

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16466

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 9.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl chloride	1.1	U
74-83-9	Bromomethane	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U
67-64-1	Acetone	16	
75-15-0	Carbon disulfide	1.1	U
79-20-9	Methyl acetate	1.1	U
75-09-2	Methylene chloride	1.1	~~JB~~U
156-60-5	trans-1,2-Dichloroethene	1.1	U
1634-04-4	Methyl tert-butyl ether	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	U
78-93-3	2-Butanone	5.7	U
74-97-5	Bromochloromethane	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
110-82-7	Cyclohexane	1.1	U
56-23-5	Carbon tetrachloride	1.1	U
71-43-2	Benzene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
123-91-1	1,4-Dioxane	110	U
79-01-6	Trichloroethene	1.1	U
108-87-2	Methylcyclohexane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
108-10-1	4-Methyl-2-pentanone	5.7	U
108-88-3	Toluene	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16466

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 9.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.1	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
95-47-6	o-Xylene	1.1	U
179601-23-1	m,p-Xylene	1.1	U
100-42-5	Styrene	1.1	U
75-25-2	Bromoform	1.1	U
98-82-8	Isopropylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U
87-68-3	Hexachlorobutadiene	1.1	U
67-72-1	Hexachloroethane	2.3	U
91-20-3	Naphthalene	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16466

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 9.0 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.11	6.2	JN
02					
03					
04					
05					
06					
07					
08					
09					
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11					
12					
13					
14					
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22					
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24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0862

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 9.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	22	U
108-95-2	Phenol	22	U
111-44-4	Bis(2-chloroethyl)ether	22	U
95-57-8	2-Chlorophenol	22	U
95-48-7	2-Methylphenol	22	U
108-60-1	2,2'-Oxybis(1-chloropropane)	22	U
98-86-2	Acetophenone	22	U
106-44-5	4-Methylphenol	22	U
621-64-7	N-Nitroso-di-n-propylamine	22	U
67-72-1	Hexachloroethane	22	U
98-95-3	Nitrobenzene	22	U
78-59-1	Isophorone	22	U
88-75-5	2-Nitrophenol	22	U
105-67-9	2,4-Dimethylphenol	22	U
111-91-1	Bis(2-chloroethoxy)methane	22	U
120-83-2	2,4-Dichlorophenol	22	U
91-20-3	Naphthalene	22	U
106-47-8	4-Chloroaniline	22	U
87-68-3	Hexachlorobutadiene	22	U
105-60-2	Caprolactam	22	U
59-50-7	4-Chloro-3-methylphenol	22	U
91-57-6	2-Methylnaphthalene	22	U
77-47-4	Hexachlorocyclopentadiene	55	UJ
88-06-2	2,4,6-Trichlorophenol	22	U
95-95-4	2,4,5-Trichlorophenol	22	U
92-52-4	1,1'-Biphenyl	22	U
91-58-7	2-Chloronaphthalene	22	U
88-74-4	2-Nitroaniline	44	U
131-11-3	Dimethylphthalate	22	U
606-20-2	2,6-Dinitrotoluene	22	U
208-96-8	Acenaphthylene	22	U
99-09-2	3-Nitroaniline	44	U
83-32-9	Acenaphthene	22	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	44	U
132-64-9	Dibenzofuran	22	U
121-14-2	2,4-Dinitrotoluene	22	U

8/22/08

SOM01.2 (6/2007) 31229

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0862

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 9.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	22	U
86-73-7	Fluorene	22	U
7005-72-3	4-Chlorophenyl-phenylether	22	U
100-01-6	4-Nitroaniline	44	U
534-52-1	4,6-Dinitro-2-methylphenol	44	U
86-30-6	N-Nitrosodiphenylamine 1	22	U
95-94-3	1,2,4,5-Tetrachlorobenzene	22	U
101-55-3	4-Bromophenyl-phenylether	22	U
118-74-1	Hexachlorobenzene	22	U
1912-24-9	Atrazine	22	U
87-86-5	Pentachlorophenol	22	UJ
85-01-8	Phenanthrene	22	U
120-12-7	Anthracene	22	U
86-74-8	Carbazole	22	U
84-74-2	Di-n-butylphthalate	22	U
206-44-0	Fluoranthene	22	U
129-00-0	Pyrene	22	U
85-68-7	Butylbenzylphthalate	22	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	22	U
218-01-9	Chrysene	22	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	
117-84-0	Di-n-octylphthalate	22	U
205-99-2	Benzo(b)fluoranthene	11	J Q
207-08-9	Benzo(k)fluoranthene	22	U
50-32-8	Benzo(a)pyrene	22	U
193-39-5	Indeno(1,2,3-cd)pyrene	22	U
53-70-3	Dibenzo(a,h)anthracene	22	U
191-24-2	Benzo(g,h,i)perylene	22	U
58-90-2	2,3,4,6-Tetrachlorophenol	22	U
92-87-5	Benzidine	22	U
95-50-1	1,2-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
541-73-1	1,3-Dichlorobenzene	22	U
62-75-9	N-Nitrosodimethylamine	22	U
95-63-6	1,2,4-Trimethylbenzene	22	U
108-67-8	1,3,5-Trimethylbenzene	22	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0862

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 9.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.09	170	~~J~~N
02		Unknown-02	8.13	86	J
03		Unknown-03	8.61	98	J
04		Unknown-04	10.16	140	J
05	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	450	NJ
06		Unknown-05	10.59	100	JN
07		Unknown-06	12.67	88	J
08		Unknown-07	21.32	91	J
09					
10					
11					
12					
13					
14					
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25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K35

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.07

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0950

Extraction: (Type) SONC

% Moisture: 9.0 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.1	U
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.2	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	2.1	
129-00-0	Pyrene	3.5	
56-55-3	Benzo(a)anthracene	3.8	
218-01-9	Chrysene	6.9	
205-99-2	Benzo(b)fluoranthene	4.5	
207-08-9	Benzo(k)fluoranthene	4.7	
50-32-8	Benzo(a)pyrene	7.7	
193-39-5	Indeno(1,2,3-cd)pyrene	3.5	
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	5.0	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02485

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16349

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.3	U
74-87-3	Chloromethane	1.3	U
75-01-4	Vinyl chloride	1.3	U
74-83-9	Bromomethane	1.3	U
75-00-3	Chloroethane	1.3	U
75-69-4	Trichlorofluoromethane	1.5	
75-35-4	1,1-Dichloroethene	1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U
67-64-1	Acetone	9.4	
75-15-0	Carbon disulfide	1.3	U
79-20-9	Methyl acetate	1.3	U
75-09-2	Methylene chloride	1.3 ~~1.1~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	1.3	U
1634-04-4	Methyl tert-butyl ether	1.3	U
75-34-3	1,1-Dichloroethane	1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	U
78-93-3	2-Butanone	6.4	U
74-97-5	Bromochloromethane	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
110-82-7	Cyclohexane	1.3	U
56-23-5	Carbon tetrachloride	1.3	U
71-43-2	Benzene	1.2	J Q
107-06-2	1,2-Dichloroethane	1.3	U
123-91-1	1,4-Dioxane	130	U
79-01-6	Trichloroethene	1.3	U
108-87-2	Methylcyclohexane	1.3	U
78-87-5	1,2-Dichloropropane	1.3	U
75-27-4	Bromodichloromethane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	U
108-10-1	4-Methyl-2-pentanone	6.4	U
108-88-3	Toluene	1.0	J Q
10061-02-6	trans-1,3-Dichloropropene	1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	U

8/22/08

SOM01.2 (6/2007) 99134

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16349

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.3	U
591-78-6	2-Hexanone	6.4	UJ
124-48-1	Dibromochloromethane	1.3	U
106-93-4	1,2-Dibromoethane	1.3	U
108-90-7	Chlorobenzene	1.3	U
100-41-4	Ethylbenzene	1.3	U
95-47-6	o-Xylene	1.3	U
179601-23-1	m,p-Xylene	1.3	U
100-42-5	Styrene	1.3	U
75-25-2	Bromoform	1.3	U
98-82-8	Isopropylbenzene	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	U
87-68-3	Hexachlorobutadiene	1.3	U
67-72-1	Hexachloroethane	2.6	U
91-20-3	Naphthalene	1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U
96-18-4	1,2,3-Trichloropropane	1.3	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16349

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.16	9.0	J~~B~~N
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All Except PAHs

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0868

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	26	U
108-95-2	Phenol	26	U
111-44-4	Bis(2-chloroethyl)ether	26	U
95-57-8	2-Chlorophenol	26	U
95-48-7	2-Methylphenol	26	U
108-60-1	2,2'-Oxybis(1-chloropropane)	26	U
98-86-2	Acetophenone	26	U
106-44-5	4-Methylphenol	26	U
621-64-7	N-Nitroso-di-n-propylamine	26	U
67-72-1	Hexachloroethane	26	U
98-95-3	Nitrobenzene	26	U
78-59-1	Isophorone	26	U
88-75-5	2-Nitrophenol	26	U
105-67-9	2,4-Dimethylphenol	26	U
111-91-1	Bis(2-chloroethoxy)methane	26	U
120-83-2	2,4-Dichlorophenol	26	U
91-20-3	Naphthalene	26	U
106-47-8	4-Chloroaniline	26	U
87-68-3	Hexachlorobutadiene	26	U
105-60-2	Caprolactam	26	U
59-50-7	4-Chloro-3-methylphenol	26	U
91-57-6	2-Methylnaphthalene	26	U
77-47-4	Hexachlorocyclopentadiene	64	UJ
88-06-2	2,4,6-Trichlorophenol	26	U
95-95-4	2,4,5-Trichlorophenol	26	U
92-52-4	1,1'-Biphenyl	26	U
91-58-7	2-Chloronaphthalene	26	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	26	U
606-20-2	2,6-Dinitrotoluene	26	U
208-96-8	Acenaphthylene	26	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	26	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	26	U
121-14-2	2,4-Dinitrotoluene	26	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0868

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	26	U
86-73-7	Fluorene	26	U
7005-72-3	4-Chlorophenyl-phenylether	26	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	26	U
95-94-3	1,2,4,5-Tetrachlorobenzene	26	U
101-55-3	4-Bromophenyl-phenylether	26	U
118-74-1	Hexachlorobenzene	26	U
1912-24-9	Atrazine	26	U
87-86-5	Pentachlorophenol	26	UJ
85-01-8	Phenanthrene	26	U
120-12-7	Anthracene	26	U
86-74-8	Carbazole	26	U
84-74-2	Di-n-butylphthalate	26	U
206-44-0	Fluoranthene	26	U
129-00-0	Pyrene	26	U
85-68-7	Butylbenzylphthalate	26	U
91-94-1	3,3'-Dichlorobenzidine	26	U
56-55-3	Benzo(a)anthracene	26	U
218-01-9	Chrysene	26	U
117-81-7	Bis(2-ethylhexyl)phthalate	240	
117-84-0	Di-n-octylphthalate	26	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	26	U
50-32-8	Benzo(a)pyrene	26	U
193-39-5	Indeno(1,2,3-cd)pyrene	26	U
53-70-3	Dibenzo(a,h)anthracene	26	U
191-24-2	Benzo(g,h,i)perylene	26	U
58-90-2	2,3,4,6-Tetrachlorophenol	26	U
92-87-5	Benzidine	26	U
95-50-1	1,2-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
541-73-1	1,3-Dichlorobenzene	26	U
62-75-9	N-Nitrosodimethylamine	26	U
95-63-6	1,2,4-Trimethylbenzene	26	U
108-67-8	1,3,5-Trimethylbenzene	26	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0868

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.28	80	JN
02		Unknown-02	2.58	62	J
03		Unknown-03	2.77	57	J
04		Unknown-04	3.09	190	J
05		Unknown-05	4.17	210	J
06		Unknown-06	4.41	130	J
07		Unknown-07	4.67	80	J
08		Unknown-08	4.91	130	J
09		Unknown-09	8.61	65	J
10		Unknown-10	10.14	110	J
11	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.27	200	NJ
12		Unknown-11	10.59	67	JN
13	007683-64-9	Squalene	18.23	63	NJ
14					
15					
16					
17					
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24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	160	JN

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

DO NOT REPORT

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13RE

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0848

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	24	U
108-95-2	Phenol	24	U
111-44-4	Bis(2-chloroethyl)ether	24	U
95-57-8	2-Chlorophenol	24	U
95-48-7	2-Methylphenol	24	U
108-60-1	2,2'-Oxybis(1-chloropropane)	24	U
98-86-2	Acetophenone	1500	E
106-44-5	4-Methylphenol	24	U
621-64-7	N-Nitroso-di-n-propylamine	24	U
67-72-1	Hexachloroethane	24	U
98-95-3	Nitrobenzene	24	U
78-59-1	Isophorone	24	U
88-75-5	2-Nitrophenol	24	U
105-67-9	2,4-Dimethylphenol	24	U
111-91-1	Bis(2-chloroethoxy)methane	24	U
120-83-2	2,4-Dichlorophenol	24	U
91-20-3	Naphthalene	10000	EB
106-47-8	4-Chloroaniline	24	U
87-68-3	Hexachlorobutadiene	24	U
105-60-2	Caprolactam	24	U
59-50-7	4-Chloro-3-methylphenol	24	U
91-57-6	2-Methylnaphthalene	8300	E
77-47-4	Hexachlorocyclopentadiene	61	U
88-06-2	2,4,6-Trichlorophenol	24	U
95-95-4	2,4,5-Trichlorophenol	24	U
92-52-4	1,1'-Biphenyl	890	E
91-58-7	2-Chloronaphthalene	24	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	24	U
606-20-2	2,6-Dinitrotoluene	24	U
208-96-8	Acenaphthylene	460	E
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	540	
51-28-5	2,4-Dinitrophenol	120	U
100-02-7	4-Nitrophenol	49	U
132-64-9	Dibenzofuran	320	
121-14-2	2,4-Dinitrotoluene	24	U

8/22/08

SOM01.2 (6/2007) D1558

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13RE

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0848

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	24	U
86-73-7	Fluorene	1000	E
7005-72-3	4-Chlorophenyl-phenylether	24	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
86-30-6	N-Nitrosodiphenylamine 1	24	U
95-94-3	1,2,4,5-Tetrachlorobenzene	24	U
101-55-3	4-Bromophenyl-phenylether	24	U
118-74-1	Hexachlorobenzene	24	U
1912-24-9	Atrazine	24	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	1800	E
120-12-7	Anthracene	270	
86-74-8	Carbazole	620	E
84-74-2	Di-n-butylphthalate	24	U
206-44-0	Fluoranthene	1900	E
129-00-0	Pyrene	1100	E
85-68-7	Butylbenzylphthalate	24	U
91-94-1	3,3'-Dichlorobenzidine	24	U
56-55-3	Benzo(a)anthracene	540	E
218-01-9	Chrysene	1700	E
117-81-7	Bis(2-ethylhexyl)phthalate	24	U
117-84-0	Di-n-octylphthalate	24	U
205-99-2	Benzo(b)fluoranthene	890	E
207-08-9	Benzo(k)fluoranthene	490	E
50-32-8	Benzo(a)pyrene	2000	E
193-39-5	Indeno(1,2,3-cd)pyrene	880	E
53-70-3	Dibenzo(a,h)anthracene	290	
191-24-2	Benzo(g,h,i)perylene	1000	E
58-90-2	2,3,4,6-Tetrachlorophenol	24	U
92-87-5	Benzidine	24	U
95-50-1	1,2-Dichlorobenzene	24	U
106-46-7	1,4-Dichlorobenzene	24	U
541-73-1	1,3-Dichlorobenzene	24	U
62-75-9	N-Nitrosodimethylamine	24	U
95-63-6	1,2,4-Trimethylbenzene	2400	E
108-67-8	1,3,5-Trimethylbenzene	5500	E

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13RE

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0848

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	016607-77-5	1,3,7-Octatrien-5-yne	3.87	88	NJ
02		Unknown-01	5.57	97	J
03	000095-13-6	Indene	6.41	120	NJ
04	010147-11-2	1-Propyne, 3-phenyl-	10.40	82	NJ
05		Unknown-02	10.62	320	J
06	001127-76-0	Naphthalene, 1-ethyl-	11.59	90	NJ
07		Unknown-03	11.74	220	J
08		Unknown-04	12.09	150	J
09	002131-42-2	Naphthalene, 1,4,6-trimethyl-	12.62	79	NJ
10		Unknown-05	12.91	76	J
11	002131-42-2	Naphthalene, 1,4,6-trimethyl-	13.12	120	NJ
12		Unknown-06	14.68	120	J
13		Unknown-07	14.93	83	J
14		Unknown-08	15.02	100	J
15		Unknown-09	15.13	230	J
16		Unknown-10	15.25	160	J
17		Unknown-11	15.29	85	J
18		Unknown-12	15.40	170	J
19	000084-65-1	9,10-Anthracenedione	15.45	120	NJ
20		Unknown-13	15.52	81	J
21		Unknown-14	15.57	130	J
22		Unknown-15	15.74	170	J
23		Unknown-16	15.82	98	J
24		Unknown-17	18.45	99	J
25		Unknown-18	19.25	97	J
26		Unknown-19	19.38	130	J
27		Unknown-20	20.14	110	J
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	280	J

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K63

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.08

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0940

Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.3	U
91-57-6	2-Methylnaphthalene	1.3	U
208-96-8	Acenaphthylene	0.91	J Q
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	1.3	U
87-86-5	Pentachlorophenol	2.6	U
85-01-8	Phenanthrene	2.3	
120-12-7	Anthracene	0.86	J Q
206-44-0	Fluoranthene	4.9	
129-00-0	Pyrene	8.3	
56-55-3	Benzo(a)anthracene	3.5	
218-01-9	Chrysene	5.1	
205-99-2	Benzo(b)fluoranthene	1.5	
207-08-9	Benzo(k)fluoranthene	1.9	
50-32-8	Benzo(a)pyrene	3.3	
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	
53-70-3	Dibenzo(a,h)anthracene	0.99	J Q
191-24-2	Benzo(g,h,i)perylene	2.0	

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 5.700 (g/mL) G Lab File ID: B16355

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl chloride	1.1	U
74-83-9	Bromomethane	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	0.88	JQ
75-35-4	1,1-Dichloroethene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U
67-64-1	Acetone	27	
75-15-0	Carbon disulfide	1.1	U
79-20-9	Methyl acetate	1.1	U
75-09-2	Methylene chloride	1.1 ~~0.86~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	1.1	U
1634-04-4	Methyl tert-butyl ether	1.1	U
75-34-3	1,1-Dichloroethane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	U
78-93-3	2-Butanone	5.6	U
74-97-5	Bromochloromethane	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
110-82-7	Cyclohexane	1.1	U
56-23-5	Carbon tetrachloride	1.1	U
71-43-2	Benzene	0.88	JQ
107-06-2	1,2-Dichloroethane	1.1	U
123-91-1	1,4-Dioxane	110	U
79-01-6	Trichloroethene	1.1	U
108-87-2	Methylcyclohexane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
108-10-1	4-Methyl-2-pentanone	5.6	U
108-88-3	Toluene	0.60	JQ
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 5.700 (g/mL) G Lab File ID: B16355

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.1	U
591-78-6	2-Hexanone	5.6	UJ
124-48-1	Dibromochloromethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
95-47-6	o-Xylene	1.1	U
179601-23-1	m,p-Xylene	1.1	U
100-42-5	Styrene	1.1	U
75-25-2	Bromoform	1.1	U
98-82-8	Isopropylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6 ~~0.13~~	~~JB~~U
87-68-3	Hexachlorobutadiene	1.1	U
67-72-1	Hexachloroethane	2.2	U
91-20-3	Naphthalene	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 5.700 (g/mL) G Lab File ID: B16355

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	6.4	~~J~~N
02					
03					
04					
05					
06					
07					
08					
09					
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12					
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29					
30					
	E9667961	Total Alkanes	N/A	5.5	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All except PAHs

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0869

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	25	U
108-95-2	Phenol	25	U
111-44-4	Bis(2-chloroethyl)ether	25	U
95-57-8	2-Chlorophenol	25	U
95-48-7	2-Methylphenol	25	U
108-60-1	2,2'-Oxybis(1-chloropropane)	25	U
98-86-2	Acetophenone	25	U
106-44-5	4-Methylphenol	25	U
621-64-7	N-Nitroso-di-n-propylamine	25	U
67-72-1	Hexachloroethane	25	U
98-95-3	Nitrobenzene	25	U
78-59-1	Isophorone	25	U
88-75-5	2-Nitrophenol	25	U
105-67-9	2,4-Dimethylphenol	25	U
111-91-1	Bis(2-chloroethoxy)methane	25	U
120-83-2	2,4-Dichlorophenol	25	U
91-20-3	Naphthalene	25	U
106-47-8	4-Chloroaniline	25	U
87-68-3	Hexachlorobutadiene	25	U
105-60-2	Caprolactam	25	U
59-50-7	4-Chloro-3-methylphenol	25	U
91-57-6	2-Methylnaphthalene	25	U
77-47-4	Hexachlorocyclopentadiene	63	UJ
88-06-2	2,4,6-Trichlorophenol	25	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	25	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	25	U
606-20-2	2,6-Dinitrotoluene	25	U
208-96-8	Acenaphthylene	25	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	25	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	25	U
121-14-2	2,4-Dinitrotoluene	25	U

8/22/08

SOM01.2 (6/2007)

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0869

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	25	U
86-73-7	Fluorene	25	U
7005-72-3	4-Chlorophenyl-phenylether	25	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	25	U
95-94-3	1,2,4,5-Tetrachlorobenzene	25	U
101-55-3	4-Bromophenyl-phenylether	25	U
118-74-1	Hexachlorobenzene	25	U
1912-24-9	Atrazine	25	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	25	U
120-12-7	Anthracene	25	U
86-74-8	Carbazole	25	U
84-74-2	Di-n-butylphthalate	25	U
206-44-0	Fluoranthene	25	U
129-00-0	Pyrene	25	U
85-68-7	Butylbenzylphthalate	25	U
91-94-1	3,3'-Dichlorobenzidine	25	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	110	
117-84-0	Di-n-octylphthalate	25	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U
58-90-2	2,3,4,6-Tetrachlorophenol	25	U
92-87-5	Benzidine	25	U
95-50-1	1,2-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
62-75-9	N-Nitrosodimethylamine	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
108-67-8	1,3,5-Trimethylbenzene	25	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0869

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.28	83	JN
02		Unknown-02	2.31	49	J
03		Unknown-03	2.59	89	J
04		Unknown-04	3.09	180	J
05	1000154-28-6	Cyclopentene, 1,2,3,4,5-penta	4.21	51	NJ
06		Unknown-05	4.41	69	JN
07		Unknown-06	4.91	160	J
08		Unknown-07	8.13	57	J
09		Unknown-08	8.61	81	J
10		Unknown-09	10.16	100	J
11	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	270	NJ
12		Unknown-10	10.59	84	JN
13	000111-02-4	2,6,10,14,18,22-Tetracosahexa	18.23	47	NJ
14		Unknown-11	18.60	71	JN
15					
16					
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22					
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25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

B1366

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K64

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.09

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0941

Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	0.75	J Q
91-57-6	2-Methylnaphthalene	1.3	U
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	0.70	J Q
87-86-5	Pentachlorophenol	2.5	U
85-01-8	Phenanthrene	1.3	U
120-12-7	Anthracene	1.3	U
206-44-0	Fluoranthene	1.3	U
129-00-0	Pyrene	1.3	U I
56-55-3	Benzo(a)anthracene	1.3	U
218-01-9	Chrysene	1.3	U
205-99-2	Benzo(b)fluoranthene	1.3	U
207-08-9	Benzo(k)fluoranthene	1.3	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.87	J Q
53-70-3	Dibenzo(a,h)anthracene	0.80	J Q
191-24-2	Benzo(g,h,i)perylene	1.3	I

1 Cannot be separated from Diphenylamine

8/22/08

SDM01.2 (6/2007)

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16356

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 13 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.2	U
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	0.84	J Q
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	50	
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	1.2 ~~0.96~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	1.2	U
1634-04-4	Methyl tert-butyl ether	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	U
78-93-3	2-Butanone	6.0	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	0.69	J Q
107-06-2	1,2-Dichloroethane	1.2	U
123-91-1	1,4-Dioxane	120	U
79-01-6	Trichloroethene	1.2	U
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	6.0	U
108-88-3	Toluene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16356

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 13 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.2	U
591-78-6	2-Hexanone	6.0	UJ
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
95-47-6	o-Xylene	1.2	U
179601-23-1	m,p-Xylene	1.2	U
100-42-5	Styrene	1.2	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	6.0	U
87-61-6	1,2,3-Trichlorobenzene	6.0	U
87-68-3	Hexachlorobutadiene	1.2	U
67-72-1	Hexachloroethane	2.4	U
91-20-3	Naphthalene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 4.800 (g/mL) G Lab File ID: B16356

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 13 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.59	7.4	JN
02		Unknown-02	11.14	3.7	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E9667961	Total Alkanes	N/A		

1 EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

J3172

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0870

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	23	U
108-95-2	Phenol	23	U
111-44-4	Bis(2-chloroethyl)ether	23	U
95-57-8	2-Chlorophenol	23	U
95-48-7	2-Methylphenol	23	U
108-60-1	2,2'-Oxybis(1-chloropropane)	23	U
98-86-2	Acetophenone	23	U
106-44-5	4-Methylphenol	23	U
621-64-7	N-Nitroso-di-n-propylamine	23	U
67-72-1	Hexachloroethane	23	U
98-95-3	Nitrobenzene	23	U
78-59-1	Isophorone	23	U
88-75-5	2-Nitrophenol	23	U
105-67-9	2,4-Dimethylphenol	23	U
111-91-1	Bis(2-chloroethoxy)methane	23	U
120-83-2	2,4-Dichlorophenol	23	U
91-20-3	Naphthalene	23	U
106-47-8	4-Chloroaniline	23	U
87-68-3	Hexachlorobutadiene	23	U
105-60-2	Caprolactam	23	U
59-50-7	4-Chloro-3-methylphenol	23	U
91-57-6	2-Methylnaphthalene	23	U
77-47-4	Hexachlorocyclopentadiene	57	UJ
88-06-2	2,4,6-Trichlorophenol	23	U
95-95-4	2,4,5-Trichlorophenol	23	U
92-52-4	1,1'-Biphenyl	23	U
91-58-7	2-Chloronaphthalene	23	U
88-74-4	2-Nitroaniline	46	U
131-11-3	Dimethylphthalate	23	U
606-20-2	2,6-Dinitrotoluene	23	U
208-96-8	Acenaphthylene	23	U
99-09-2	3-Nitroaniline	46	U
83-32-9	Acenaphthene	23	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	46	U
132-64-9	Dibenzofuran	23	U
121-14-2	2,4-Dinitrotoluene	23	U

8/22/08

SOM01.2 (6/2007)

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0870

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	23	U
86-73-7	Fluorene	23	U
7005-72-3	4-Chlorophenyl-phenylether	23	U
100-01-6	4-Nitroaniline	46	U
534-52-1	4,6-Dinitro-2-methylphenol	46	U
86-30-6	N-Nitrosodiphenylamine 1	23	U
95-94-3	1,2,4,5-Tetrachlorobenzene	23	U
101-55-3	4-Bromophenyl-phenylether	23	U
118-74-1	Hexachlorobenzene	23	U
1912-24-9	Atrazine	23	U
87-86-5	Pentachlorophenol	23	UJ
85-01-8	Phenanthrene	23	U
120-12-7	Anthracene	23	U
86-74-8	Carbazole	23	U
84-74-2	Di-n-butylphthalate	23	U
206-44-0	Fluoranthene	23	U
129-00-0	Pyrene	23	U
85-68-7	Butylbenzylphthalate	23	U
91-94-1	3,3'-Dichlorobenzidine	23	U
56-55-3	Benzo(a)anthracene	23	U
218-01-9	Chrysene	23	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	
117-84-0	Di-n-octylphthalate	23	U
205-99-2	Benzo(b)fluoranthene	23	U
207-08-9	Benzo(k)fluoranthene	23	U
50-32-8	Benzo(a)pyrene	23	U
193-39-5	Indeno(1,2,3-cd)pyrene	23	U
53-70-3	Dibenzo(a,h)anthracene	23	U
191-24-2	Benzo(g,h,i)perylene	23	U
58-90-2	2,3,4,6-Tetrachlorophenol	23	U
92-87-5	Benzidine	23	U
95-50-1	1,2-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
62-75-9	N-Nitrosodimethylamine	23	U
95-63-6	1,2,4-Trimethylbenzene	23	U
108-67-8	1,3,5-Trimethylbenzene	23	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0870

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.58	96	JN
02		Unknown-02	3.09	160	J
03		Unknown-03	4.42	60	J
04		Unknown-04	4.91	150	J
05		Unknown-05	8.14	87	J
06		Unknown-06	8.61	83	J
07		Unknown-07	10.17	98	J
08	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	270	NJ
09		Unknown-08	10.59	120	JN
10		Unknown-09	18.23	75	JN
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01315

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K65

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.10

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0957

Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.8	
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.3	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
206-44-0	Fluoranthene	1.1	U
129-00-0	Pyrene	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	3.4	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 3.200 (g/mL) G Lab File ID: B16357

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 17 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.9	U
74-87-3	Chloromethane	1.9	U
75-01-4	Vinyl chloride	1.9	UJ
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1.9	U
75-35-4	1,1-Dichloroethene	1.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U
67-64-1	Acetone	28	
75-15-0	Carbon disulfide	1.9	U
79-20-9	Methyl acetate	1.9	U
75-09-2	Methylene chloride	1.9 ~~1.4~~	~~J~~U
156-60-5	trans-1,2-Dichloroethene	1.9	U
1634-04-4	Methyl tert-butyl ether	1.9	U
75-34-3	1,1-Dichloroethane	1.9	U
156-59-2	cis-1,2-Dichloroethene	1.9	U
78-93-3	2-Butanone	9.4	U
74-97-5	Bromochloromethane	1.9	U
67-66-3	Chloroform	1.9	U
71-55-6	1,1,1-Trichloroethane	1.9	U
110-82-7	Cyclohexane	1.9	U
56-23-5	Carbon tetrachloride	1.9	U
71-43-2	Benzene	1.9	U
107-06-2	1,2-Dichloroethane	1.9	U
123-91-1	1,4-Dioxane	190	U
79-01-6	Trichloroethene	1.9	U
108-87-2	Methylcyclohexane	1.9	U
78-87-5	1,2-Dichloropropane	1.9	U
75-27-4	Bromodichloromethane	1.9	U
10061-01-5	cis-1,3-Dichloropropene	1.9	U
108-10-1	4-Methyl-2-pentanone	9.4	U
108-88-3	Toluene	1.9	U
10061-02-6	trans-1,3-Dichloropropene	1.9	U
79-00-5	1,1,2-Trichloroethane	1.9	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 3.200 (g/mL) G Lab File ID: B16357

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 17 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.9	U
591-78-6	2-Hexanone	9.4	UJ
124-48-1	Dibromochloromethane	1.9	U
106-93-4	1,2-Dibromoethane	1.9	U
108-90-7	Chlorobenzene	1.9	U
100-41-4	Ethylbenzene	1.9	U
95-47-6	o-Xylene	1.9	U
179601-23-1	m,p-Xylene	1.9	U
100-42-5	Styrene	1.9	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene	1.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U
541-73-1	1,3-Dichlorobenzene	1.9	U
106-46-7	1,4-Dichlorobenzene	1.9	U
95-50-1	1,2-Dichlorobenzene	1.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1.9	U
120-82-1	1,2,4-Trichlorobenzene	9.4	U
87-61-6	1,2,3-Trichlorobenzene	9.4	U
87-68-3	Hexachlorobutadiene	1.9	U
67-72-1	Hexachloroethane	3.8	U
91-20-3	Naphthalene	1.9	U
630-20-6	1,1,1,2-Tetrachloroethane	1.9	U
96-18-4	1,2,3-Trichloropropane	1.9	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 3.200 (g/mL) G Lab File ID: B16357

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 17 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	11	JBN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	9.5	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 5B137

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0871

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	24	U
108-95-2	Phenol	24	U
111-44-4	Bis(2-chloroethyl)ether	24	U
95-57-8	2-Chlorophenol	24	U
95-48-7	2-Methylphenol	24	U
108-60-1	2,2'-Oxybis(1-chloropropane)	24	U
98-86-2	Acetophenone	24	U
106-44-5	4-Methylphenol	24	U
621-64-7	N-Nitroso-di-n-propylamine	24	U
67-72-1	Hexachloroethane	24	U
98-95-3	Nitrobenzene	24	U
78-59-1	Isophorone	24	U
88-75-5	2-Nitrophenol	24	U
105-67-9	2,4-Dimethylphenol	24	U
111-91-1	Bis(2-chloroethoxy)methane	24	U
120-83-2	2,4-Dichlorophenol	24	U
91-20-3	Naphthalene	24	U
106-47-8	4-Chloroaniline	24	U
87-68-3	Hexachlorobutadiene	24	U
105-60-2	Caprolactam	24	U
59-50-7	4-Chloro-3-methylphenol	24	U
91-57-6	2-Methylnaphthalene	24	U
77-47-4	Hexachlorocyclopentadiene	60	UJ
88-06-2	2,4,6-Trichlorophenol	24	U
95-95-4	2,4,5-Trichlorophenol	24	U
92-52-4	1,1'-Biphenyl	24	U
91-58-7	2-Chloronaphthalene	24	U
88-74-4	2-Nitroaniline	48	U
131-11-3	Dimethylphthalate	24	U
606-20-2	2,6-Dinitrotoluene	24	U
208-96-8	Acenaphthylene	24	U
99-09-2	3-Nitroaniline	48	U
83-32-9	Acenaphthene	24	U
51-28-5	2,4-Dinitrophenol	120	UJ
100-02-7	4-Nitrophenol	48	U
132-64-9	Dibenzofuran	24	U
121-14-2	2,4-Dinitrotoluene	24	U

8/22/08

SDM01.2 (6/2007)

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 100.4 (g/mL) G. Lab File ID: G0871

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	24	U
86-73-7	Fluorene	24	U
7005-72-3	4-Chlorophenyl-phenylether	24	U
100-01-6	4-Nitroaniline	48	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
86-30-6	N-Nitrosodiphenylamine 1	24	U
95-94-3	1,2,4,5-Tetrachlorobenzene	24	U
101-55-3	4-Bromophenyl-phenylether	24	U
118-74-1	Hexachlorobenzene	24	U
1912-24-9	Atrazine	24	U
87-86-5	Pentachlorophenol	24	UJ
85-01-8	Phenanthrene	24	U
120-12-7	Anthracene	24	U
86-74-8	Carbazole	24	U
84-74-2	Di-n-butylphthalate	24	U
206-44-0	Fluoranthene	24	U
129-00-0	Pyrene	24	U
85-68-7	Butylbenzylphthalate	24	U
91-94-1	3,3'-Dichlorobenzidine	24	U
56-55-3	Benzo(a)anthracene	24	U
218-01-9	Chrysene	24	U
117-81-7	Bis(2-ethylhexyl)phthalate	240	
117-84-0	Di-n-octylphthalate	24	U
205-99-2	Benzo(b)fluoranthene	24	U
207-08-9	Benzo(k)fluoranthene	24	U
50-32-8	Benzo(a)pyrene	24	U
193-39-5	Indeno(1,2,3-cd)pyrene	24	U
53-70-3	Dibenzo(a,h)anthracene	24	U
191-24-2	Benzo(g,h,i)perylene	24	U
58-90-2	2,3,4,6-Tetrachlorophenol	24	U
92-87-5	Benzidine	24	U
95-50-1	1,2-Dichlorobenzene	24	U
106-46-7	1,4-Dichlorobenzene	24	U
541-73-1	1,3-Dichlorobenzene	24	U
62-75-9	N-Nitrosodimethylamine	24	U
95-63-6	1,2,4-Trimethylbenzene	24	U
108-67-8	1,3,5-Trimethylbenzene	24	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0871

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.28	59	JN
02		Unknown-02	2.59	93	J
03		Unknown-03	3.09	150	J
04		Unknown-04	4.21	53	J
05		Unknown-05	4.41	62	J
06		Unknown-06	4.91	150	J
07		Unknown-07	8.16	110	J
08		Unknown-08	8.61	96	J
09		Unknown-09	10.17	77	J
10	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	430	NJ
11		Unknown-10	10.59	160	JN
12		Unknown-11	18.24	66	J
13		Unknown-12	18.34	50	J
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K66

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.11

Sample wt/vol: 100.4 (g/mL) G Lab File ID: G0958

Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.7	
91-57-6	2-Methylnaphthalene	1.2	U
208-96-8	Acenaphthylene	1.2	U
83-32-9	Acenaphthene	1.2	U
86-73-7	Fluorene	1.2	U
87-86-5	Pentachlorophenol	2.4	U
85-01-8	Phenanthrene	1.2	U
120-12-7	Anthracene	1.2	U
206-44-0	Fluoranthene	1.2	U
129-00-0	Pyrene	1.2	U
56-55-3	Benzo(a)anthracene	1.2	U
218-01-9	Chrysene	1.2	U
205-99-2	Benzo(b)fluoranthene	1.2	U
207-08-9	Benzo(k)fluoranthene	1.2	U
50-32-8	Benzo(a)pyrene	1.2	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	U
53-70-3	Dibenzo(a,h)anthracene	1.2	U
191-24-2	Benzo(g,h,i)perylene	1.2	U

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

Report All but Benzene, Toluene & m,p-Xylene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16411

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	120	U
74-87-3	Chloromethane	120	U
75-01-4	Vinyl chloride	120	U
74-83-9	Bromomethane	120	U
75-00-3	Chloroethane	120	U
75-69-4	Trichlorofluoromethane	120	U
75-35-4	1,1-Dichloroethene	120	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	120	U
67-64-1	Acetone	580	U
75-15-0	Carbon disulfide	120	U
79-20-9	Methyl acetate	120	U
75-09-2	Methylene chloride	220	~~B~~U
156-60-5	trans-1,2-Dichloroethene	120	U
1634-04-4	Methyl tert-butyl ether	120	U
75-34-3	1,1-Dichloroethane	120	U
156-59-2	cis-1,2-Dichloroethene	120	U
78-93-3	2-Butanone	580	U
74-97-5	Bromochloromethane	120	U
67-66-3	Chloroform	120	U
71-55-6	1,1,1-Trichloroethane	120	U
110-82-7	Cyclohexane	120	U
56-23-5	Carbon tetrachloride	120	U
71-43-2	Benzene	4700	E → Report from J8K68DL
107-06-2	1,2-Dichloroethane	120	U
123-91-1	1,4-Dioxane	12000	U
79-01-6	Trichloroethene	120	U
108-87-2	Methylcyclohexane	120	U
78-87-5	1,2-Dichloropropane	120	U
75-27-4	Bromodichloromethane	120	U
10061-01-5	cis-1,3-Dichloropropene	120	U
108-10-1	4-Methyl-2-pentanone	580	U
108-88-3	Toluene	7500	E → "
10061-02-6	trans-1,3-Dichloropropene	120	U
79-00-5	1,1,2-Trichloroethane	120	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16411

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	120	U
591-78-6	2-Hexanone	580	U
124-48-1	Dibromochloromethane	120	U
106-93-4	1,2-Dibromoethane	120	U
108-90-7	Chlorobenzene	120	U
100-41-4	Ethylbenzene	3600	
95-47-6	o-Xylene	3400	
179601-23-1	m,p-Xylene	5700	E → Report from J8K68DL
100-42-5	Styrene	70	J Q
75-25-2	Bromoform	120	U
98-82-8	Isopropylbenzene	130	
79-34-5	1,1,2,2-Tetrachloroethane	120	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	120	U
95-50-1	1,2-Dichlorobenzene	120	U
96-12-8	1,2-Dibromo-3-chloropropane	120	U
120-82-1	1,2,4-Trichlorobenzene	580	U
87-61-6	1,2,3-Trichlorobenzene	580	U
87-68-3	Hexachlorobutadiene	120	U
67-72-1	Hexachloroethane	230	U
91-20-3	Naphthalene	1200	~~E~~
630-20-6	1,1,1,2-Tetrachloroethane	120	U
96-18-4	1,2,3-Trichloropropane	120	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16411

Level: (TRACE or LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.52	540	JN
02		Unknown-02	11.14	490	JN
03		Unknown-03	14.14	440	JN
04	006783-92-2	Cyclohexane, 1,1,2,3-tetramet	14.80	310	NJ
05	000103-65-1	Benzene, propyl-	15.26	420	NJ
06	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.45	1900	NJ
07		Unknown-04	15.96	790	JN
08		Unknown-05	15.99	630	JN
09	000526-73-8	Benzene, 1,2,3-trimethyl-	16.31	1200	NJ
10	071186-27-1	1-Ethyl-2,2,6-trimethylcycloh	16.88	430	NJ
11		Unknown-06	17.09	380	JN
12		Unknown-07	17.59	460	J
13		Unknown-08	17.79	330	J
14	1000152-47-3	trans-Decalin, 2-methyl-	18.32	400	NJ
15	002958-76-1	Naphthalene, decahydro-2-meth	18.70	440	NJ
16					
17					
18					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	2400	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 00232

Report Only Benzene, Toluene & m,p-Xylene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16413

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 40 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	290	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	290	U
67-64-1	Acetone	1500	U
75-15-0	Carbon disulfide	290	U
79-20-9	Methyl acetate	290	U
75-09-2	Methylene chloride	420	DB
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
156-59-2	cis-1,2-Dichloroethene	290	U
78-93-3	2-Butanone	1500	U
74-97-5	Bromochloromethane	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	290	U
110-82-7	Cyclohexane	290	U
56-23-5	Carbon tetrachloride	290	U
71-43-2	Benzene	4800	~~U~~ → Report
107-06-2	1,2-Dichloroethane	290	U
123-91-1	1,4-Dioxane	29000	U
79-01-6	Trichloroethene	290	U
108-87-2	Methylcyclohexane	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	1500	U
108-88-3	Toluene	7700	~~U~~ → Report
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U

8/22/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16413

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 40 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	290	U
106-93-4	1,2-Dibromoethane	290	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	3600	D
95-47-6	o-Xylene	3300	D
179601-23-1	m,p-Xylene	5700	~~D~~ → Report
100-42-5	Styrene	290	U
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	150	DJ
79-34-5	1,1,2,2-Tetrachloroethane	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
96-12-8	1,2-Dibromo-3-chloropropane	290	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
87-61-6	1,2,3-Trichlorobenzene	1500	U
87-68-3	Hexachlorobutadiene	290	U
67-72-1	Hexachloroethane	580	U
91-20-3	Naphthalene	1100	DB
630-20-6	1,1,1,2-Tetrachloroethane	290	U
96-18-4	1,2,3-Trichloropropane	290	U

8/22/08

SOM01.2 10/2007 00237

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 2.900 (g/mL) G Lab File ID: B16413

Level: (TRACE or LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 18 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 40 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	1500	DJ
02		Unknown-02	12.13	940	DJ
03		Unknown-03	14.73	570	DJ
04	000103-65-1	Benzene, propyl-	15.28	470	DNJ
05	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.46	2300	DNJ
06		Unknown-04	15.97	1200	DJ
07		Unknown-05	15.99	820	DJ
08	000526-73-8	Benzene, 1,2,3-trimethyl-	16.32	1500	DNJ
09	081983-71-3	Cyclohexane, 1,1-dimethyl-2-p	16.88	470	DNJ
10		Unknown-06	17.08	470	DJ
11		Unknown-07	17.59	670	DJ
12		Unknown-08	17.87	660	DJ
13	002958-76-1	Naphthalene, decahydro-2-meth	18.32	480	DNJ
14		Unknown-09	18.64	530	DJ
15	002958-75-0	1-Methyldecahydronaphthalene	18.70	550	DNJ
16		Unknown-10	19.58	460	DJ
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	2900	DJ

[1] EPA-designated Registry Number.

SCM01.2 (6/2007)

8/22/08 58238

Report All except otherwise indicated
(* from DL or DL2 runs)

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0846

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
100-52-7	Benzaldehyde	24	U	
108-95-2	Phenol	24	U	
111-44-4	Bis(2-chloroethyl)ether	24	U	
95-57-8	2-Chlorophenol	24	U	
95-48-7	2-Methylphenol	24	UJ	
108-60-1	2,2'-Oxybis(1-chloropropane)	24	U	
98-86-2	Acetophenone	1500	E	→ Report from J8K68DL
106-44-5	4-Methylphenol	24	UJ	
621-64-7	N-Nitroso-di-n-propylamine	24	U	
67-72-1	Hexachloroethane	24	U	
98-95-3	Nitrobenzene	24	U	
78-59-1	Isophorone	24	UJ	
88-75-5	2-Nitrophenol	24	U	
105-67-9	2,4-Dimethylphenol	24	U	
111-91-1	Bis(2-chloroethoxy)methane	24	U	
120-83-2	2,4-Dichlorophenol	24	UJ	
91-20-3	Naphthalene	8700	EB	→ Report from J8K68DL
106-47-8	4-Chloroaniline	24	UJ	
87-68-3	Hexachlorobutadiene	24	U	
105-60-2	Caprolactam	24	U	
59-50-7	4-Chloro-3-methylphenol	24	U	
91-57-6	2-Methylnapnthalene	6600	E	→ "
77-47-4	Hexachlorocyclopentadiene	61	UJ	
88-06-2	2,4,6-Trichlorophenol	24	U	
95-95-4	2,4,5-Trichlorophenol	24	U	
92-52-4	1,1'-Biphenyl	980	E	→ Report from J8K68DL
91-58-7	2-Chloronaphthalene	24	UJ	
88-74-4	2-Nitroaniline	49	U	
131-11-3	Dimethylphthalate	24	U	
606-20-2	2,6-Dinitrotoluene	24	U	
208-96-8	Acenaphthylene	570	E	→ "
99-09-2	3-Nitroaniline	49	UJ	
83-32-9	Acenaphtnene	460	J	
51-28-5	2,4-Dinitrophenol	120	UJ	
100-02-7	4-Nitrophenol	49	UJ	
132-64-9	Dibenzofuran	370	J	
121-14-2	2,4-Dinitrotoluene	24	U	

8/22/08

SOMC1.2 (6/2007)

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0846

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
84-66-2	Diethylphthalate	24	UJ	
86-73-7	Fluorene	1100	E	→ Report from J8K68
7005-72-3	4-Chlorophenyl-phenylether	24	UJ	
100-01-6	4-Nitroaniline	49	UJ	
534-52-1	4,6-Dinitro-2-methylphenol	49	U	
86-30-6	N-Nitrosodiphenylamine 1	24	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	24	UJ	
101-55-3	4-Bromophenyl-phenylether	24	UJ	
118-74-1	Hexachlorobenzene	24	U	
1912-24-9	Atrazine	24	U	
87-86-5	Pentachlorophenol	24	UJ	
85-01-8	Phenanthrene	1600	E	→ Report from J8K68DL
120-12-7	Anthracene	320	J	
86-74-8	Carbazole	490	E	→ Report from J8K68 DL
84-74-2	Di-n-butylphthalate	24	UJ	
206-44-0	Fluoranthene	1600	E	→ "
129-00-0	Pyrene	910	E	→ "
85-68-7	Butylbenzylphthalate	24	UJ	
91-94-1	3,3'-Dichlorobenzidine	24	UJ	
56-55-3	Benzo(a)anthracene	450	E	→ "
218-01-9	Chrysene	1400	E	→ "
117-81-7	Bis(2-ethylhexyl)phthalate	24	UJ	
117-84-0	Di-n-octylphthalate	24	UJ	
205-99-2	Benzo(b)fluoranthene	1300	E	→ "
207-08-9	Benzo(k)fluoranthene	710	E	→ "
50-32-8	Benzo(a)pyrene	2700	E	→ "
193-39-5	Indeno(1,2,3-cd)pyrene	1200	E	→ "
53-70-3	Dibenzo(a,h)anthracene	400	E	→ "
191-24-2	Benzo(g,h,i)perylene	1700	E	→ "
58-90-2	2,3,4,6-Tetrachlorophenol	24	UJ	
92-87-5	Benzidine	24	U	
95-50-1	1,2-Dichlorobenzene	24	U	
106-46-7	1,4-Dichlorobenzene	24	U	
541-73-1	1,3-Dichlorobenzene	24	U	
62-75-9	N-Nitrosodimethylamine	24	U	
95-63-6	1,2,4-Trimethylbenzene	2500	E	→ Report from J8K68
108-67-8	1,3,5-Trimethylbenzene	5500	E	→ Report from J8K68DL

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6,2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0846

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	016607-77-5	1,3,7-Octatrien-5-yne	3.85	2400	NJ
02		Unknown-01	4.39	120	JN
03	000611-14-3	Benzene, 1-ethyl-2-methyl-	4.92	230	NJ
04		Unknown-02	5.54	2400	JN
05	000526-73-8	Benzene, 1,2,3-trimethyl-	5.94	360	NJ
06	000496-11-7	Indane	5.99	200	NJ
07		Unknown-03	6.17	150	JN
08	000095-13-6	Indene	6.37	3600	NJ
09		Unknown-04	7.04	140	JN
10	002039-93-2	Benzene, (1-methylenepropyl)-	7.18	200	NJ
11		Unknown-05	10.56	310	JN
12		Unknown-06	11.70	230	J
13		Unknown-07	11.86	180	J
14	002131-41-1	Naphthalene, 1,4,5-trimethyl-	12.78	130	NJ
15	002131-42-2	Naphthalene, 1,4,6-trimethyl-	12.97	120	NJ
16		Unknown-08	15.11	210	JN
17		Unknown-09	15.38	160	J
18		Unknown-10	15.56	210	J
19		Unknown-11	15.71	150	J
20		Unknown-12	15.80	120	J
21		Unknown-13	18.42	210	J
22	000198-55-0	Perylene	19.06	140	NJ
23		Unknown-14	19.33	140	JN
24	000601-58-1	Stigmastane	19.89	110	NJ
25		Unknown-15	20.08	110	JN
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	430	JN

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0852

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 20.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	490	U
108-95-2	Phenol	490	U
111-44-4	Bis(2-chloroethyl)ether	490	U
95-57-8	2-Chlorophenol	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-Oxybis(1-chloropropane)	490	U
98-86-2	Acetophenone	1800	~~D~~ → Report
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	Bis(2-chloroethoxy)methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
91-20-3	Naphthalene	73000	DEB
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
105-60-2	Caprolactam	490	U
59-50-7	4-Chloro-3-methylphenol	490	U
91-57-6	2-Methylnaphthalene	55000	DE
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	490	U
92-52-4	1,1'-Biphenyl	3200	~~D~~ → Report
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	490	U
606-20-2	2,6-Dinitrotoluene	490	U
208-96-8	Acenaphthylene	1400	~~D~~ → Report
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	910	D
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	660	~~D~~
121-14-2	2,4-Dinitrotoluene	490	U

8/22/08

SOMC1.2 (6[illegible]7) [illegible]

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0852

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 20.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	490	U
86-73-7	Fluorene	4600	~~D~~ → Report
7005-72-3	4-Chlorophenyl-phenylether	490	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine 1	490	U
95-94-3	1,2,4,5-Tetrachlorobenzene	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
1912-24-9	Atrazine	490	U
87-86-5	Pentachlorophenol	490	U
85-01-8	Phenanthrene	18000	DE
120-12-7	Anthracene	2400	D
86-74-8	Carbazole	560	~~D~~ → Report
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	12000	~~DE~~ J → "
129-00-0	Pyrene	12000	~~DE~~ J → "
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	3600	~~D~~ → "
218-01-9	Chrysene	3900	~~D~~ → "
117-81-7	Bis(2-ethylhexyl)phthalate	490	U
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	1800	~~D~~ → "
207-08-9	Benzo(k)fluoranthene	2200	~~D~~ → "
50-32-8	Benzo(a)pyrene	2500	~~D~~ → "
193-39-5	Indeno(1,2,3-cd)pyrene	2000	~~D~~ → "
53-70-3	Dibenzo(a,h)anthracene	780	~~D~~ → "
191-24-2	Benzo(g,h,i)perylene	2400	~~D~~ → "
58-90-2	2,3,4,6-Tetrachlorophenol	490	U
92-87-5	Benzidine	490	U
95-50-1	1,2-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
541-73-1	1,3-Dichlorobenzene	490	U
62-75-9	N-Nitrosodimethylamine	490	U
95-63-6	1,2,4-Trimethylbenzene	2600	D
108-67-8	1,3,5-Trimethylbenzene	8600	DE

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0852

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000622-96-8	Benzene, 1-ethyl-4-methyl-	4.92	3100	DNJB
02		Unknown-01	5.53	5600	DJ
03	000526-73-8	Benzene, 1,2,3-trimethyl-	5.94	3500	DNJ
04	000095-13-6	Indene	6.33	11000	DNJ
05	000581-42-0	Naphthalene, 2,6-dimethyl-	11.65	3400	DNJ
06	000575-41-7	Naphthalene, 1,3-dimethyl-	11.81	2700	DNJ
07	000575-37-1	Naphthalene, 1,7-dimethyl-	11.85	1700	DNJ
08		Unknown-02	14.62	2800	DJ
09		Unknown-03	14.87	1700	DJ
10		Unknown-04	14.95	1900	DJ
11		Unknown-05	15.06	3200	DJ
12		Unknown-06	15.33	2200	DJ
13	000781-92-0	Anthracene, 1,4-dimethyl-	15.48	2200	DNJ
14	002789-88-0	di-p-Tolylacetylene	15.60	1700	DNJ
15		Unknown-07	15.65	2200	DJ
16		Unknown-08	15.88	1600	DJ
17	002381-21-7	Pyrene, 1-methyl-	16.33	2200	DNJ
18	000092-06-8	m-Terphenyl	16.88	1700	DNJ
19	000112-04-9	Silane, trichlorooctadecyl-	17.00	2600	DNJ
20	000082-05-3	7H-Benz[de]anthracen-7-one	17.42	1900	DNJ
21		Unknown-09	17.86	2200	DJ
22		Unknown-10	18.37	1900	DJ
23		Unknown-11	18.70	2100	DJ
24	031541-97-6	Nickel, bis(1,1,1,5,5,5-hexaf	18.86	1700	DNJ
25		Unknown-12	19.28	1800	DJ
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	1900	DJ

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K68DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL2

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0853

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	24000	U
108-95-2	Phenol	24000	U
111-44-4	Bis(2-chloroethyl)ether	24000	U
95-57-8	2-Chlorophenol	24000	U
95-48-7	2-Methylphenol	24000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	24000	U
98-86-2	Acetophenone	24000	U
106-44-5	4-Methylphenol	24000	U
621-64-7	N-Nitroso-di-n-propylamine	24000	U
67-72-1	Hexachloroethane	24000	U
98-95-3	Nitrobenzene	24000	U
78-59-1	Isophorone	24000	U
88-75-5	2-Nitrophenol	24000	U
105-67-9	2,4-Dimethylphenol	24000	U
111-91-1	Bis(2-chloroethoxy)methane	24000	U
120-83-2	2,4-Dichlorophenol	24000	U
91-20-3	Naphthalene	290000	~~DB~~ → Report
106-47-8	4-Chloroaniline	24000	U
87-68-3	Hexachlorobutadiene	24000	U
105-60-2	Caprolactam	24000	U
59-50-7	4-Chloro-3-methylphenol	24000	U
91-57-6	2-Methylnaphthalene	100000	~~D~~ → Report
77-47-4	Hexachlorocyclopentadiene	61000	U
88-06-2	2,4,6-Trichlorophenol	24000	U
95-95-4	2,4,5-Trichlorophenol	24000	U
92-52-4	1,1'-Biphenyl	6600	DJ
91-58-7	2-Chloronaphthalene	24000	U
88-74-4	2-Nitroaniline	49000	U
131-11-3	Dimethylphthalate	24000	U
606-20-2	2,6-Dinitrotoluene	24000	U
208-96-8	Acenaphthylene	24000	U
99-09-2	3-Nitroaniline	49000	U
83-32-9	Acenaphthene	24000	U
51-28-5	2,4-Dinitrophenol	120000	U
100-02-7	4-Nitrophenol	49000	U
132-64-9	Dibenzofuran	24000	U
121-14-2	2,4-Dinitrotoluene	24000	U

8/22/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K68DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL2

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0853

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	24000	U
86-73-7	Fluorene	10000	DJ
7005-72-3	4-Chlorophenyl-phenylether	24000	U
100-01-6	4-Nitroaniline	49000	U
534-52-1	4,6-Dinitro-2-methylphenol	49000	U
86-30-6	N-Nitrosodiphenylamine 1	24000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	24000	U
101-55-3	4-Bromophenyl-phenylether	24000	U
118-74-1	Hexachlorobenzene	24000	U
1912-24-9	Atrazine	24000	U
87-86-5	Pentachlorophenol	24000	U
85-01-8	Phenanthrene	40000	~~U~~ → Report
120-12-7	Anthracene	24000	U
86-74-8	Carbazole	24000	U
84-74-2	Di-n-butylphthalate	24000	U
206-44-0	Fluoranthene	19000	DJ
129-00-0	Pyrene	17000	DJ
85-68-7	Butylbenzylphthalate	24000	U
91-94-1	3,3'-Dichlorobenzidine	24000	U
56-55-3	Benzo(a)anthracene	11000	DJ
218-01-9	Chrysene	13000	DJ
117-81-7	Bis(2-ethylhexyl)phthalate	24000	U
117-84-0	Di-n-octylphthalate	24000	U
205-99-2	Benzo(b)fluoranthene	9200	DJ
207-08-9	Benzo(k)fluoranthene	12000	DJ
50-32-8	Benzo(a)pyrene	10000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	24000	U
53-70-3	Dibenzo(a,h)anthracene	24000	U
191-24-2	Benzo(g,h,i)perylene	24000	U
58-90-2	2,3,4,6-Tetrachlorophenol	24000	U
92-87-5	Benzidine	24000	U
95-50-1	1,2-Dichlorobenzene	24000	U
106-46-7	1,4-Dichlorobenzene	24000	U
541-73-1	1,3-Dichlorobenzene	24000	U
62-75-9	N-Nitrosodimethylamine	24000	U
95-63-6	1,2,4-Trimethylbenzene	24000	U
108-67-8	1,3,5-Trimethylbenzene	17000	~~DJ~~

1 Cannot be separated from Diphenylamine

Report

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K68DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13DL2

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0853

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1000.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000090-12-0	Naphthalene, 1-methyl-	10.44	74000	DNJ
02		Unknown-01	17.68	68000	DJ
03		Unknown-02	18.06	140000	DJ
04		Unknown-03	18.65	130000	DJ
05	000556-71-8	Cyclononasiloxane, octadecame	19.37	200000	DNJ
06		Unknown-04	20.25	100000	DJ
07	014113-80-5	Cyclodecacyclododecene, 1,2,3	21.22	67000	DNJ
08		Unknown-05	21.35	68000	DJ
09		Unknown-06	22.78	69000	DJ
10					
11					
12					
13					
14					
15					
16					
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19					
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25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (5/2007)

8/22/08

01513

DO NOT REPORT

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K68

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.13

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0975

Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1200	U
91-57-6	2-Methylnaphthalene	1200	U
208-96-8	Acenaphthylene	1300	
83-32-9	Acenaphthene	1200	U
86-73-7	Fluorene	1200	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	5500	
120-12-7	Anthracene	3400	
206-44-0	Fluoranthene	37000	E
129-00-0	Pyrene	41000	E
56-55-3	Benzo(a)anthracene	11000	
218-01-9	Chrysene	20000	E
205-99-2	Benzo(b)fluoranthene	6900	
207-08-9	Benzo(k)fluoranthene	10000	
50-32-8	Benzo(a)pyrene	15000	E
193-39-5	Indeno(1,2,3-cd)pyrene	5100	
53-70-3	Dibenzo(a,h)anthracene	1400	
191-24-2	Benzo(g,h,i)perylene	5700	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0847

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	31	UJ
108-95-2	Phenol	31	U
111-44-4	Bis(2-chloroethyl)ether	31	U
95-57-8	2-Chlorophenol	31	U
95-48-7	2-Methylphenol	31	U ~~UJ~~ R 8/25/08
108-60-1	2,2'-Oxybis(1-chloropropane)	31	UJ
98-86-2	Acetophenone	30	J
106-44-5	4-Methylphenol	31	U
621-64-7	N-Nitroso-di-n-propylamine	31	UJ
67-72-1	Hexachloroethane	31	U
98-95-3	Nitrobenzene	31	U
78-59-1	Isophorone	31	U
88-75-5	2-Nitrophenol	31	U
105-67-9	2,4-Dimethylphenol	31	U
111-91-1	Bis(2-chloroethoxy)methane	31	UJ
120-83-2	2,4-Dichlorophenol	31	UJ
91-20-3	Naphthalene	670	EB → Report from J8K691
106-47-8	4-Chloroaniline	31	U
87-68-3	Hexachlorobutadiene	31	UJ
105-60-2	Caprolactam	31	U
59-50-7	4-Chloro-3-methylphenol	31	U
91-57-6	2-Methylnaphthalene	200	
77-47-4	Hexachlorocyclopentadiene	77	UJ
88-06-2	2,4,6-Trichlorophenol	31	U
95-95-4	2,4,5-Trichlorophenol	31	U
92-52-4	1,1'-Biphenyl	65	
91-58-7	2-Chloronaphthalene	31	U
88-74-4	2-Nitroaniline	61	U
131-11-3	Dimethylphthalate	31	UJ
606-20-2	2,6-Dinitrotoluene	31	UJ
208-96-8	Acenaphthylene	1400	E → "
99-09-2	3-Nitroaniline	61	U
83-32-9	Acenaphthene	53	
51-28-5	2,4-Dinitrophenol	150	UJ
100-02-7	4-Nitrophenol	61	U
132-64-9	Dibenzofuran	63	J
121-14-2	2,4-Dinitrotoluene	31	UJ

8/22/08

SOM01.2 (6/2007) [illegible]

Report All but m,p-Xylene & Naphthalene They report from J8K69DL

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16404

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 10 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	1400	U
75-01-4	Vinyl chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1400	U
67-64-1	Acetone	7000	U
75-15-0	Carbon disulfide	1400	U
79-20-9	Methyl acetate	160	J Q
75-09-2	Methylene chloride	1400 ~~1300~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
75-34-3	1,1-Dichloroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U
78-93-3	2-Butanone	2400	J Q
74-97-5	Bromochloromethane	1400	U
67-66-3	Chloroform	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
110-82-7	Cyclohexane	1400	U
56-23-5	Carbon tetrachloride	1400	U
71-43-2	Benzene	12000	
107-06-2	1,2-Dichloroethane	1400	U
123-91-1	1,4-Dioxane	140000	U
79-01-6	Trichloroethene	1400	U
108-87-2	Methylcyclohexane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
10061-01-5	cis-1,3-Dichloropropene	930	J Q
108-10-1	4-Methyl-2-pentanone	7000	U
108-88-3	Toluene	3300	~~J~~
10061-02-6	trans-1,3-Dichloropropene	930	J Q
79-00-5	1,1,2-Trichloroethane	1400	U

8/22/08

SOM01.2 (6/2007)

00271

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16404

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 10 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1400	U
591-78-6	2-Hexanone	7000	U
124-48-1	Dibromochloromethane	1400	U
106-93-4	1,2-Dibromoethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	24000	
95-47-6	o-Xylene	55000	
179601-23-1	m,p-Xylene	57000	E → Report from J8K69DL
100-42-5	Styrene	1400	U
75-25-2	Bromoform	1400	U
98-82-8	Isopropylbenzene	1600	
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	1400	U
120-82-1	1,2,4-Trichlorobenzene	7000	U
87-61-6	1,2,3-Trichlorobenzene	7000	U
87-68-3	Hexachlorobutadiene	1400	U
67-72-1	Hexachloroethane	2800	U
91-20-3	Naphthalene	620000	E → "
630-20-6	1,1,1,2-Tetrachloroethane	1400	U
96-18-4	1,2,3-Trichloropropane	1400	U

8/22/08

SOM01.2 (6/2007)

98272

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16404

Level: (TRACE or LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 10 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	9400	JN
02	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.46	34000	NJ
03	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.99	11000	NJ
04	000526-73-8	Benzene, 1,2,3-trimethyl-	16.32	68000	NJ
05	000526-73-8	Benzene, 1,2,3-trimethyl-	17.09	28000	NJ
06	000496-11-7	Indane	17.30	18000	NJ
07	000095-15-8	Benzo[b]thiophene	21.33	10000	NJ
08	000090-12-0	Naphthalene, 1-methyl-	23.25	72000	NJ
09					
10					
11					
12					
13					
14					
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22					
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24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report Only m,p-Xylene & Naphthalene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16400

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 1 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14000	U
74-87-3	Chloromethane	14000	U
75-01-4	Vinyl chloride	14000	U
74-83-9	Bromomethane	14000	U
75-00-3	Chloroethane	14000	U
75-69-4	Trichlorofluoromethane	14000	U
75-35-4	1,1-Dichloroethene	14000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14000	U
67-64-1	Acetone	70000	U
75-15-0	Carbon disulfide	14000	U
79-20-9	Methyl acetate	14000	U
75-09-2	Methylene chloride	12000	DJB
156-60-5	trans-1,2-Dichloroethene	14000	U
1634-04-4	Methyl tert-butyl ether	14000	U
75-34-3	1,1-Dichloroethane	14000	U
156-59-2	cis-1,2-Dichloroethene	14000	U
78-93-3	2-Butanone	70000	U
74-97-5	Bromochloromethane	14000	U
67-66-3	Chloroform	14000	U
71-55-6	1,1,1-Trichloroethane	14000	U
110-82-7	Cyclohexane	14000	U
56-23-5	Carbon tetrachloride	14000	U
71-43-2	Benzene	15000	D
107-06-2	1,2-Dichloroethane	14000	U
123-91-1	1,4-Dioxane	1400000	U
79-01-6	Trichloroethene	14000	U
108-87-2	Methylcyclohexane	14000	U
78-87-5	1,2-Dichloropropane	14000	U
75-27-4	Bromodichloromethane	14000	U
10061-01-5	cis-1,3-Dichloropropene	14000	U
108-10-1	4-Methyl-2-pentanone	70000	U
108-88-3	Toluene	7400	DJB
10061-02-6	trans-1,3-Dichloropropene	14000	U
79-00-5	1,1,2-Trichloroethane	14000	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16400

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 1 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	14000	U
591-78-6	2-Hexanone	70000	U
124-48-1	Dibromochloromethane	14000	U
106-93-4	1,2-Dibromoethane	14000	U
108-90-7	Chlorobenzene	14000	U
100-41-4	Ethylbenzene	24000	D
95-47-6	o-Xylene	51000	D
179601-23-1	m,p-Xylene	55000	~~D~~ → Report
100-42-5	Styrene	14000	U
75-25-2	Bromoform	14000	U
98-82-8	Isopropylbenzene	14000	U
79-34-5	1,1,2,2-Tetrachloroethane	14000	U
541-73-1	1,3-Dichlorobenzene	14000	U
106-46-7	1,4-Dichlorobenzene	14000	U
95-50-1	1,2-Dichlorobenzene	14000	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	70000	U
87-61-6	1,2,3-Trichlorobenzene	70000	U
87-68-3	Hexachlorobutadiene	14000	U
67-72-1	Hexachloroethane	28000	U
91-20-3	Naphthalene	680000	~~DE~~ J → Report
630-20-6	1,1,1,2-Tetrachloroethane	14000	U
96-18-4	1,2,3-Trichloropropane	14000	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16400

Level: (TRACE or LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 35 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	110000	DJB
02	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.46	38000	DNJ
03	000526-73-8	Benzene, 1,2,3-trimethyl-	15.65	31000	DNJ
04		Unknown-02	16.33	79000	DJ
05	000622-96-8	Benzene, 1-ethyl-4-methyl-	17.09	37000	DNJ
06	000496-11-7	Indane	17.30	21000	DNJ
07	000090-12-0	Naphthalene, 1-methyl-	23.54	39000	DNJ
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	60000	DJ

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0847

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
84-66-2	Diethylphthalate	31	UJ	
86-73-7	Fluorene	450	J	
7005-72-3	4-Chlorophenyl-phenylether	31	UJ	
100-01-6	4-Nitroaniline	61	U	
534-52-1	4,6-Dinitro-2-methylphenol	61	U	
86-30-6	N-Nitrosodiphenylamine 1	31	UJ	
95-94-3	1,2,4,5-Tetrachlorobenzene	31	U	
101-55-3	4-Bromophenyl-phenylether	31	U	
118-74-1	Hexachlorobenzene	31	U	
1912-24-9	Atrazine	31	U	
87-86-5	Pentachlorophenol	31	U	
85-01-8	Phenanthrene	1400	E	Report from J8K69DL
120-12-7	Anthracene	700	E	"
86-74-8	Carbazole	120	J	
84-74-2	Di-n-butylphthalate	31	UJ	
206-44-0	Fluoranthene	3900	E	"
129-00-0	Pyrene	21000	E	"
85-68-7	Butylbenzylphthalate	31	UJ	
91-94-1	3,3'-Dichlorobenzidine	31	U	
56-55-3	Benzo(a)anthracene	12000	E	"
218-01-9	Chrysene	36000	E	"
117-81-7	Bis(2-ethylhexyl)phthalate	31	UJ	
117-84-0	Di-n-octylphthalate	31	UJ	
205-99-2	Benzo(b)fluoranthene	27000	E	"
207-08-9	Benzo(k)fluoranthene	7200	E	"
50-32-8	Benzo(a)pyrene	30000	E	Report from J8K69DL
193-39-5	Indeno(1,2,3-cd)pyrene	28000	E	"
53-70-3	Dibenzo(a,h)anthracene	13000	E	Report from J8K69DL
191-24-2	Benzo(g,h,i)perylene	25000	E	Report from J8K69DL2
58-90-2	2,3,4,6-Tetrachlorophenol	31	U	
92-87-5	Benzidine	31	U	
95-50-1	1,2-Dichlorobenzene	31	U	
106-46-7	1,4-Dichlorobenzene	31	U	
541-73-1	1,3-Dichlorobenzene	31	U	
62-75-9	N-Nitrosodimethylamine	31	U	
95-63-6	1,2,4-Trimethylbenzene	31	U	
108-67-8	1,3,5-Trimethylbenzene	31	U	

1 Cannot be separated from Diphenylamine

8/28/08

SOM01.2 (6/2007) 01530

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0847

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000694-87-1	Bicyclo[4.2.0]octa-1,3,5-trie	3.82	240	NJ
02	000766-90-5	cis-.beta.-Methylstyrene	5.47	170	NJ
03		Unknown-01	5.53	150	JN
04	013125-70-7	(1-(Methylthio)ethyl)benzene	7.62	260	NJ
05	000271-17-0	Cyclopenta[b]thiapyran	8.69	110	NJ
06		Unknown-02	9.14	150	JN
07		Unknown-03	9.22	110	J
08		Unknown-04	10.10	110	J
09	000090-12-0	Naphthalene, 1-methyl-	10.43	150	NJ
10	000575-41-7	Naphthalene, 1,3-dimethyl-	11.79	110	NJ
11	000829-26-5	Naphthalene, 2,3,6-trimethyl-	12.92	150	NJ
12		Unknown-05	13.08	230	JN
13	000086-73-7	Fluorene	13.36	230	NJ
14		Unknown-06	15.84	630	JN
15		Unknown-07	16.14	690	J
16		Unknown-08	16.40	190	J
17		Unknown-09	16.50	110	J
18	002381-21-7	Pyrene, 1-methyl-	16.62	200	NJ
19	064401-21-4	Pyrene, 1,3-dimethyl-	16.81	140	NJ
20	000479-79-8	11H-Benzo[a]fluoren-11-one	16.91	140	NJ
21		Unknown-10	17.50	190	JN
22	000239-01-0	11H-Benzo[a]carbazole	17.57	170	NJ
23	001705-85-7	Chrysene, 6-methyl-	17.75	140	NJ
24		Unknown-11	17.92	220	JN
25	000612-73-2	2,2'-Binaphthalene	17.93	130	NJ
26		Unknown-12	18.20	120	JN
27		Unknown-13	19.33	210	J
28		Unknown-14	19.44	130	J
29		Unknown-15	21.67	280	J
30	000191-26-4	Dibenzo[def,mno]chrysene	22.41	230	NJ
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01531

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0850

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 20.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	610	U
108-95-2	Phenol	610	U
111-44-4	Bis(2-chloroethyl)ether	610	U
95-57-8	2-Chlorophenol	610	U
95-48-7	2-Methylphenol	610	U
108-60-1	2,2'-Oxybis(1-chloropropane)	610	U
98-86-2	Acetophenone	610	U
106-44-5	4-Methylphenol	610	U
621-64-7	N-Nitroso-di-n-propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	Bis(2-chloroethoxy)methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
91-20-3	Naphthalene	860	~~DB~~ → Report
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
105-60-2	Caprolactam	610	U
59-50-7	4-Chloro-3-methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	610	U
95-95-4	2,4,5-Trichlorophenol	610	U
92-52-4	1,1'-Biphenyl	610	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	610	U
606-20-2	2,6-Dinitrotoluene	610	U
208-96-8	Acenaphthylene	2400	~~U~~ → Report
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	610	U
51-28-5	2,4-Dinitrophenol	3100	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	610	U
121-14-2	2,4-Dinitrotoluene	610	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0850

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 20.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	610	U
86-73-7	Fluorene	550	DJ
7005-72-3	4-Chlorophenyl-phenylether	610	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine 1	610	U
95-94-3	1,2,4,5-Tetrachlorobenzene	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
1912-24-9	Atrazine	610	U
87-86-5	Pentachlorophenol	610	U
85-01-8	Phenanthrene	8300	~~D~~ → Report
120-12-7	Anthracene	2800	~~D~~ → "
86-74-8	Carbazole	320	DJ
84-74-2	Di-n-butylphthalate	610	U
206-44-0	Fluoranthene	35000	~~DE~~ J → "
129-00-0	Pyrene	22000	~~DE~~ J → "
85-68-7	Butylbenzylphthalate	610	U
91-94-1	3,3'-Dichlorobenzidine	610	U
56-55-3	Benzo(a)anthracene	14000	~~DE~~ J → "
218-01-9	Chrysene	16000	~~DE~~ J → "
117-81-7	Bis(2-ethylhexyl)phthalate	610	U
117-84-0	Di-n-octylphthalate	610	U
205-99-2	Benzo(b)fluoranthene	15000	~~DE~~ J → "
207-08-9	Benzo(k)fluoranthene	13000	~~DE~~ J → "
50-32-8	Benzo(a)pyrene	23000	DE
193-39-5	Indeno(1,2,3-cd)pyrene	15000	DE
53-70-3	Dibenzo(a,h)anthracene	4500	~~D~~ → Report
191-24-2	Benzo(g,h,i)perylene	13000	DE
58-90-2	2,3,4,6-Tetrachlorophenol	610	U
92-87-5	Benzidine	610	U
95-50-1	1,2-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
541-73-1	1,3-Dichlorobenzene	610	U
62-75-9	N-Nitrosodimethylamine	610	U
95-63-6	1,2,4-Trimethylbenzene	610	U
108-67-8	1,3,5-Trimethylbenzene	610	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007) 81697

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL

Sample Wt/vol: 100.3 (g/mL) G Lab File ID: G0850

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	18.26	6000	DJ
02	000192-97-2	Benzo[e]pyrene	18.73	5900	DNJ
03	000198-55-0	Perylene	19.00	6900	DNJ
04		Unknown-02	19.42	5100	DJ
05		Unknown-03	19.51	5300	DJ
06		Unknown-04	19.59	8900	DJ
07		Unknown-05	19.84	6900	DJ
08		Unknown-06	19.97	4400	DJ
09		Unknown-07	20.03	5500	DJ
10		Unknown-08	20.23	4600	DJ
11		Unknown-09	20.42	7100	DJ
12		Unknown-10	20.84	4900	DJ
13		Unknown-11	21.08	9600	DJ
14		Unknown-12	21.66	8400	DJ
15		Unknown-13	22.30	7600	DJ
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL2

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0851

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	31000	U
108-95-2	Phenol	31000	U
111-44-4	Bis(2-chloroethyl)ether	31000	U
95-57-8	2-Chlorophenol	31000	U
95-48-7	2-Methylphenol	31000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	31000	U
98-86-2	Acetophenone	31000	U
106-44-5	4-Methylphenol	31000	U
621-64-7	N-Nitroso-di-n-propylamine	31000	U
67-72-1	Hexachloroethane	31000	U
98-95-3	Nitrobenzene	31000	U
78-59-1	Isophorone	31000	U
88-75-5	2-Nitrophenol	31000	U
105-67-9	2,4-Dimethylphenol	31000	U
111-91-1	Bis(2-chloroethoxy)methane	31000	U
120-83-2	2,4-Dichlorophenol	31000	U
91-20-3	Naphthalene	31000	U
106-47-8	4-Chloroaniline	31000	U
87-68-3	Hexachlorobutadiene	31000	U
105-60-2	Caprolactam	31000	U
59-50-7	4-Chloro-3-methylphenol	31000	U
91-57-6	2-Methylnaphthalene	31000	U
77-47-4	Hexachlorocyclopentadiene	77000	U
88-06-2	2,4,6-Trichlorophenol	31000	U
95-95-4	2,4,5-Trichlorophenol	31000	U
92-52-4	1,1'-Biphenyl	31000	U
91-58-7	2-Chloronaphthalene	31000	U
88-74-4	2-Nitroaniline	61000	U
131-11-3	Dimethylphthalate	31000	U
606-20-2	2,6-Dinitrotoluene	31000	U
208-96-8	Acenaphthylene	31000	U
99-09-2	3-Nitroaniline	61000	U
83-32-9	Acenaphthene	31000	U
51-28-5	2,4-Dinitrophenol	150000	U
100-02-7	4-Nitrophenol	61000	U
132-64-9	Dibenzofuran	31000	U
121-14-2	2,4-Dinitrotoluene	31000	U

8/22/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K69DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL2

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0851

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	31000	U
86-73-7	Fluorene	31000	U
7005-72-3	4-Chlorophenyl-phenylether	31000	U
100-01-6	4-Nitroaniline	61000	U
534-52-1	4,6-Dinitro-2-methylphenol	61000	U
86-30-6	N-Nitrosodiphenylamine [1]	31000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	31000	U
101-55-3	4-Bromophenyl-phenylether	31000	U
118-74-1	Hexachlorobenzene	31000	U
1912-24-9	Atrazine	31000	U
87-86-5	Pentachlorophenol	31000	U
85-01-8	Phenanthrene	31000	U
120-12-7	Anthracene	31000	U
86-74-8	Carbazole	31000	U
84-74-2	Di-n-butylphthalate	31000	U
206-44-0	Fluoranthene	18000	DJ
129-00-0	Pyrene	21000	DJ
85-68-7	Butylbenzylphthalate	31000	U
91-94-1	3,3'-Dichlorobenzidine	31000	U
56-55-3	Benzo(a)anthracene	31000	U
218-01-9	Chrysene	31000	U
117-81-7	Bis(2-ethylhexyl)phthalate	31000	U
117-84-0	Di-n-octylphthalate	31000	U
205-99-2	Benzo(b)fluoranthene	16000	DJ
207-08-9	Benzo(k)fluoranthene	22000	DJ
50-32-8	Benzo(a)pyrene	36000	~~U~~ → Report
193-39-5	Indeno(1,2,3-cd)pyrene	67000	~~U~~ → "
53-70-3	Dibenzo(a,h)anthracene	31000	U
191-24-2	Benzo(g,h,i)perylene	23000	~~U~~ → "
58-90-2	2,3,4,6-Tetrachlorophenol	31000	U
92-87-5	Benzidine	31000	U
95-50-1	1,2-Dichlorobenzene	31000	U
106-46-7	1,4-Dichlorobenzene	31000	U
541-73-1	1,3-Dichlorobenzene	31000	U
62-75-9	N-Nitrosodimethylamine	31000	U
95-63-6	1,2,4-Trimethylbenzene	31000	U
108-67-8	1,3,5-Trimethylbenzene	31000	U

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007) 01744

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69DL2

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14DL2

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0851

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1000.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	16.61	280000	DJ
02		Unknown-02	18.27	210000	DJ
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01745

DO NOT REPORT

ID - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K69RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14RE

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0849

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	31	U
108-95-2	Phenol	31	U
111-44-4	Bis(2-chloroethyl)ether	31	U
95-57-8	2-Chlorophenol	31	U
95-48-7	2-Methylphenol	31	U
108-60-1	2,2'-Oxybis(1-chloropropane)	31	U
98-86-2	Acetophenone	41	
106-44-5	4-Methylphenol	31	U
621-64-7	N-Nitroso-di-n-propylamine	31	U
67-72-1	Hexachloroethane	31	U
98-95-3	Nitrobenzene	31	U
78-59-1	Isophorone	31	U
88-75-5	2-Nitrophenol	31	U
105-67-9	2,4-Dimethylphenol	31	U
111-91-1	Bis(2-chloroethoxy)methane	31	U
120-83-2	2,4-Dichlorophenol	31	U
91-20-3	Naphthalene	700	EB
106-47-8	4-Chloroaniline	31	U
87-68-3	Hexachlorobutadiene	31	U
105-60-2	Caprolactam	31	U
59-50-7	4-Chloro-3-methylphenol	31	U
91-57-6	2-Methylnaphthalene	220	
77-47-4	Hexachlorocyclopentadiene	77	U
88-06-2	2,4,6-Trichlorophenol	31	U
95-95-4	2,4,5-Trichlorophenol	31	U
92-52-4	1,1'-Biphenyl	63	
91-58-7	2-Chloronaphthalene	31	U
88-74-4	2-Nitroaniline	61	U
131-11-3	Dimethylphthalate	31	U
606-20-2	2,6-Dinitrotoluene	31	U
208-96-8	Acenaphthylene	1600	E
99-09-2	3-Nitroaniline	61	U
83-32-9	Acenaphthene	55	
51-28-5	2,4-Dinitrophenol	150	U
100-02-7	4-Nitrophenol	61	U
132-64-9	Dibenzofuran	63	
121-14-2	2,4-Dinitrotoluene	31	U

8/22/08

SOM01.2 (6/2007) 1757

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14RE

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0849

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	31	U
86-73-7	Fluorene	540	E
7005-72-3	4-Chlorophenyl-phenylether	31	U
100-01-6	4-Nitroaniline	61	U
534-52-1	4,6-Dinitro-2-methylphenol	61	U
86-30-6	N-Nitrosodiphenylamine 1	31	U
95-94-3	1,2,4,5-Tetrachlorobenzene	31	U
101-55-3	4-Bromophenyl-phenylether	31	U
118-74-1	Hexachlorobenzene	31	U
1912-24-9	Atrazine	31	U
87-86-5	Pentachlorophenol	31	U
85-01-8	Phenanthrene	1500	E
120-12-7	Anthracene	760	E
86-74-8	Carbazole	120	
84-74-2	Di-n-butylphthalate	31	U
206-44-0	Fluoranthene	4200	E
129-00-0	Pyrene	31000	E
85-68-7	Butylbenzylphthalate	31	U
91-94-1	3,3'-Dichlorobenzidine	31	U
56-55-3	Benzo(a)anthracene	16000	E
218-01-9	Chrysene	52000	E
117-81-7	Bis(2-ethylhexyl)phthalate	31	U
117-84-0	Di-n-octylphthalate	31	U
205-99-2	Benzo(b)fluoranthene	54000	E
207-08-9	Benzo(k)fluoranthene	12000	E
50-32-8	Benzo(a)pyrene	62000	E
193-39-5	Indeno(1,2,3-cd)pyrene	57000	E
53-70-3	Dibenzo(a,h)anthracene	22000	E
191-24-2	Benzo(g,h,i)perylene	49000	E
58-90-2	2,3,4,6-Tetrachlorophenol	31	U
92-87-5	Benzidine	31	U
95-50-1	1,2-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	31	U
541-73-1	1,3-Dichlorobenzene	31	U
62-75-9	N-Nitrosodimethylamine	31	U
95-63-6	1,2,4-Trimethylbenzene	31	U
108-67-8	1,3,5-Trimethylbenzene	31	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007) 81758

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K69RE

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14RE

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0849

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000694-87-1	Bicyclo[4.2.0]octa-1,3,5-trie	3.83	330	NJ
02	000100-80-1	Benzene, 1-ethenyl-3-methyl-	5.48	210	NJ
03		Unknown-01	5.53	230	J
04	000673-32-5	Benzene, 1-propynyl-	6.33	150	NJ
05		Unknown-02	7.63	400	J
06	000271-17-0	Cyclopenta[b]thiapyran	8.71	120	NJ
07		Unknown-03	9.15	190	J
08		Unknown-04	9.23	140	J
09		Unknown-05	9.30	110	J
10		Unknown-06	10.11	130	J
11	000264-09-5	Benzocycloheptatriene	10.45	160	NJ
12	000582-16-1	Naphthalene, 2,7-dimethyl-	11.64	110	NJ
13	000575-41-7	Naphthalene, 1,3-dimethyl-	11.81	120	NJ
14	002131-42-2	Naphthalene, 1,4,6-trimethyl-	12.94	150	NJ
15	000203-80-5	1H-Phenalene	13.09	230	NJ
16	000086-73-7	Fluorene	13.38	240	NJ
17		Unknown-07	16.16	660	J
18		Unknown-08	16.42	150	J
19	064401-21-4	Pyrene, 1,3-dimethyl-	16.83	130	NJ
20	000479-79-8	11H-Benzo[a]fluoren-11-one	16.93	130	NJ
21		Unknown-09	17.40	880	J
22	000082-05-3	7H-Benz[de]anthracen-7-one	17.53	180	NJ
23	034777-33-8	Benzo(c)carbazole	17.59	160	NJ
24	003351-28-8	Chrysene, 1-methyl-	17.78	140	NJ
25		Unknown-10	17.94	220	J
26	000612-78-2	2,2'-Binaphthalene	18.01	170	NJ
27		Unknown-11	18.23	110	J
28		Unknown-12	19.32	400	J
29		Unknown-13	19.50	110	J
30	000191-26-4	Dibenzo[def, mno]chrysene	22.51	210	NJ
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

01769

Do NOT REPORT

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K69

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.14

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0976

Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1000.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	190000	E
91-57-6	2-Methylnaphthalene	63000	E
208-96-8	Acenaphthylene	1500	U
83-32-9	Acenaphthene	1500	U
86-73-7	Fluorene	6900	
87-86-5	Pentachlorophenol	3100	U
85-01-8	Phenanthrene	29000	E
120-12-7	Anthracene	8900	
206-44-0	Fluoranthene	22000	E
129-00-0	Pyrene	27000	E
56-55-3	Benzo(a)anthracene	7500	
218-01-9	Chrysene	13000	
205-99-2	Benzo(b)fluoranthene	3600	
207-08-9	Benzo(k)fluoranthene	6200	
50-32-8	Benzo(a)pyrene	6700	
193-39-5	Indeno(1,2,3-cd)pyrene	2600	
53-70-3	Dibenzo(a,h)anthracene	1500	U
191-24-2	Benzo(g,h,i)perylene	3200	

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02542

Report All but Naphthalene (E report from J8K70ME)

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16358

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.3	U
74-87-3	Chloromethane	1.3	U
75-01-4	Vinyl chloride	1.3	U
74-83-9	Bromomethane	1.3	U
75-00-3	Chloroethane	1.3	U
75-69-4	Trichlorofluoromethane	1.3	U
75-35-4	1,1-Dichloroethene	1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	1.3	U
79-20-9	Methyl acetate	1.3	U
75-09-2	Methylene chloride	1.3 ~~0.82~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	1.3	U
1634-04-4	Methyl tert-butyl ether	1.3	U
75-34-3	1,1-Dichloroethane	1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	U
78-93-3	2-Butanone	6.4	U
74-97-5	Bromochloromethane	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
110-82-7	Cyclohexane	1.3	U
56-23-5	Carbon tetrachloride	1.3	U
71-43-2	Benzene	1.6	
107-06-2	1,2-Dichloroethane	1.3	U
123-91-1	1,4-Dioxane	130	U
79-01-6	Trichloroethene	1.3	U
108-87-2	Methylcyclohexane	1.3	U
78-87-5	1,2-Dichloropropane	1.3	U
75-27-4	Bromodichloromethane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	U
108-10-1	4-Methyl-2-pentanone	6.4	U
108-88-3	Toluene	0.98	J Q
10061-02-6	trans-1,3-Dichloropropene	1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	U

8/22/08

SOM01.2 (6/2007)

00123

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16358

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.3	U
591-78-6	2-Hexanone	6.4	UJ
124-48-1	Dibromochloromethane	1.3	U
106-93-4	1,2-Dibromoethane	1.3	U
108-90-7	Chlorobenzene	1.3	U
100-41-4	Ethylbenzene	10	
95-47-6	o-Xylene	14	
179601-23-1	m,p-Xylene	14	
100-42-5	Styrene	1.5	
75-25-2	Bromoform	1.3	U
98-82-8	Isopropylbenzene	0.94	JQ
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	U
87-68-3	Hexachlorobutadiene	1.3	U
67-72-1	Hexachloroethane	2.6	U
91-20-3	Naphthalene	800	E → Report from J8K7OME
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U
96-18-4	1,2,3-Trichloropropane	1.3	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 5.000 (g/mL) G Lab File ID: B16358

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/24/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.46	45	NJ
02	000526-73-8	Benzene, 1,2,3-trimethyl-	15.65	32	NJ
03	000098-83-9	.alpha.-Methylstyrene	16.08	23	NJ
04	000526-73-8	Benzene, 1,2,3-trimethyl-	16.32	130	NJ
05	000526-73-8	Benzene, 1,2,3-trimethyl-	17.09	63	NJ
06	000637-50-3	Benzene, 1-propenyl-	17.28	130	NJ
07	000535-77-3	Benzene, 1-methyl-3-(1-methyl	17.54	31	NJ
08	000095-13-6	Indene	17.87	300	NJ
09	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl	18.09	47	NJ
10		Unknown-01	18.22	50	JN
11		Unknown-02	18.22	25	JN
12	000527-53-7	Benzene, 1,2,3,5-tetramethyl-	18.98	41	NJ
13	000527-53-7	Benzene, 1,2,3,5-tetramethyl-	19.07	63	NJ
14		Unknown-03	19.42	39	JN
15	000824-22-6	1H-Indene, 2,3-dihydro-4-meth	19.76	38	NJ
16	000535-77-3	Benzene, 1-methyl-3-(1-methyl	19.83	83	NJ
17	000767-59-9	1H-Indene, 1-methyl-	19.97	37	NJ
18	002177-47-1	2-Methylindene	20.02	97	NJ
19	065051-83-4	Benzene, (1-methyl-2-cyclopro	20.19	22	NJ
20	065051-83-4	Benzene, (1-methyl-2-cyclopro	20.28	95	NJ
21	002177-47-1	2-Methylindene	20.32	49	NJ
22	056253-64-6	Benzene, (2-methyl-1-butenyl)	20.48	36	NJ
23	017057-82-8	1H-Indene, 2,3-dihydro-1,2-di	20.64	26	NJ
24		Unknown-04	21.02	29	JN
25	000095-15-8	Benzo[b]-thiophene	21.32	42	NJ
26	006682-71-9	1H-Indene, 2,3-dihydro-4,7-di	21.94	23	NJ
27	000091-57-6	Naphthalene, 2-methyl-	23.24	230	NJ
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	49	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report Only Naphthalene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70ME

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15ME

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16414

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 25 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	310	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl chloride	310	U
74-83-9	Bromomethane	310	U
75-00-3	Chloroethane	310	U
75-69-4	Trichlorofluoromethane	310	U
75-35-4	1,1-Dichloroethene	310	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	310	U
67-64-1	Acetone	1500	U
75-15-0	Carbon disulfide	310	U
79-20-9	Methyl acetate	310	U
75-09-2	Methylene chloride	430	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	310	U
1634-04-4	Methyl tert-butyl ether	310	U
75-34-3	1,1-Dichloroethane	310	U
156-59-2	cis-1,2-Dichloroethene	310	U
78-93-3	2-Butanone	1500	U
74-97-5	Bromochloromethane	310	U
67-66-3	Chloroform	310	U
71-55-6	1,1,1-Trichloroethane	310	U
110-82-7	Cyclohexane	310	U
56-23-5	Carbon tetrachloride	310	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	310	U
123-91-1	1,4-Dioxane	31000	U
79-01-6	Trichloroethene	310	U
108-87-2	Methylcyclohexane	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-pentanone	1500	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	310	U
79-00-5	1,1,2-Trichloroethane	310	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70ME

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15ME

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16414

Level: (TRACE/LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 25 (uL)

Purge Volume: 5.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	310	U
106-93-4	1,2-Dibromoethane	310	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	310	U
95-47-6	o-Xylene	310	U
179601-23-1	m,p-Xylene	310	U
100-42-5	Styrene	310	U
75-25-2	Bromoform	310	U
98-82-8	Isopropylbenzene	310	U
79-34-5	1,1,2,2-Tetrachloroethane	310	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U
96-12-8	1,2-Dibromo-3-chloropropane	310	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
87-61-6	1,2,3-Trichlorobenzene	1500	U
87-68-3	Hexachlorobutadiene	310	U
67-72-1	Hexachloroethane	620	U
91-20-3	Naphthalene	9500	~~B~~ → Report
630-20-6	1,1,1,2-Tetrachloroethane	310	U
96-18-4	1,2,3-Trichloropropane	310	U

8/22/08

SOM01.2 (6/2007)

00370

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K70ME

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15ME

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16414

Level: (TRACE or LOW/MED) MED Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/26/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 25 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.61	630	J
02		Unknown-02	11.14	2200	J
03	000526-73-8	Benzene, 1,2,3-trimethyl-	16.33	570	NJ
04	000673-32-5	Benzene, 1-propynyl-	17.88	790	NJ
05	000933-98-2	Benzene, 1-ethyl-2,3-dimethyl	19.83	470	NJ
06	000767-59-9	1H-Indene, 1-methyl-	20.01	430	NJ
07	000090-12-0	Naphthalene, 1-methyl-	23.54	1200	NJ
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	1000	J

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All but Naphthalene, Acenaphthene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene & Benzo(g,h,i)perylene & Pentachlorophenol

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0872

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	26	U
108-95-2	Phenol	23	J Q
111-44-4	Bis(2-chloroethyl)ether	26	U
95-57-8	2-Chlorophenol	26	U
95-48-7	2-Methylphenol	26	U
108-60-1	2,2'-Oxybis(1-chloropropane)	26	U
98-86-2	Acetophenone	26	U
106-44-5	4-Methylphenol	26	U
621-64-7	N-Nitroso-di-n-propylamine	26	U
67-72-1	Hexachloroethane	26	U
98-95-3	Nitrobenzene	26	U
78-59-1	Isophorone	26	U
88-75-5	2-Nitrophenol	26	U
105-67-9	2,4-Dimethylphenol	31	
111-91-1	Bis(2-chloroethoxy)methane	26	U
120-83-2	2,4-Dichlorophenol	26	U
91-20-3	Naphthalene	1300	EB → Report from J8K70DL
106-47-8	4-Chloroaniline	26	U
87-68-3	Hexachlorobutadiene	26	U
105-60-2	Caprolactam	26	U
59-50-7	4-Chloro-3-methylphenol	26	U
91-57-6	2-Methylnaphthalene	350	
77-47-4	Hexachlorocyclopentadiene	64	UJ
88-06-2	2,4,6-Trichlorophenol	26	U
95-95-4	2,4,5-Trichlorophenol	26	U
92-52-4	1,1'-Biphenyl	39	
91-58-7	2-Chloronaphthalene	26	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	26	U
606-20-2	2,6-Dinitrotoluene	26	U
208-96-8	Acenaphthylene	110	
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	26	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	17	J Q
121-14-2	2,4-Dinitrotoluene	26	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0872

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	26	U
86-73-7	Fluorene	72	
7005-72-3	4-Chlorophenyl-phenylether	26	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	26	U
95-94-3	1,2,4,5-Tetrachlorobenzene	26	U
101-55-3	4-Bromophenyl-phenylether	26	U
118-74-1	Hexachlorobenzene	26	U
1912-24-9	Atrazine	26	U
87-86-5	Pentachlorophenol	26	UJ
85-01-8	Phenanthrene	160	
120-12-7	Anthracene	18	JQ
86-74-8	Carbazole	26	
84-74-2	Di-n-butylphthalate	26	U
206-44-0	Fluoranthene	61	
129-00-0	Pyrene	78	
85-68-7	Butylbenzylphthalate	26	U
91-94-1	3,3'-Dichlorobenzidine	26	U
56-55-3	Benzo(a)anthracene	19	JQ
218-01-9	Chrysene	21	JQ
117-81-7	Bis(2-ethylhexyl)phthalate	100	
117-84-0	Di-n-octylphthalate	26	U
205-99-2	Benzo(b)fluoranthene	16	JQ
207-08-9	Benzo(k)fluoranthene	16	JQ
50-32-8	Benzo(a)pyrene	20	JQ
193-39-5	Indeno(1,2,3-cd)pyrene	15	JQ
53-70-3	Dibenzo(a,h)anthracene	26	U
191-24-2	Benzo(g,h,i)perylene	21	JQ
58-90-2	2,3,4,6-Tetrachlorophenol	26	U
92-87-5	Benzidine	26	U
95-50-1	1,2-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
541-73-1	1,3-Dichlorobenzene	26	U
62-75-9	N-Nitrosodimethylamine	26	U
95-63-6	1,2,4-Trimethylbenzene	14	JQ
108-67-8	1,3,5-Trimethylbenzene	41	

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0872

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.78	160	JN
02		Unknown-02	3.09	160	J
03		Unknown-03	3.39	95	J
04		Unknown-04	4.42	76	J
05		Unknown-05	4.91	150	J
06	000673-32-5	Benzene, 1-propynyl-	6.31	170	NJ
07		Unknown-06	8.14	110	JN
08		Unknown-07	8.61	99	JN
09	000270-82-6	2-Benzothiophene #	8.68	71	NJ
10	000091-22-5	Quinoline	9.69	120	NJ
11	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	380	NJ
12	000090-12-0	Naphthalene, 1-methyl-	10.42	330	NJ
13		Unknown-08	10.59	99	JN
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

41837

Report Only Naphthalene

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K70DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0903

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 10.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	260	U
108-95-2	Phenol	260	U
111-44-4	Bis(2-chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	260	U
95-48-7	2-Methylphenol	260	U
108-60-1	2,2'-Oxybis(1-chloropropane)	260	U
98-86-2	Acetophenone	260	U
106-44-5	4-Methylphenol	260	U
621-64-7	N-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	260	U
78-59-1	Isophorone	260	U
88-75-5	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	260	U
111-91-1	Bis(2-chloroethoxy)methane	260	U
120-83-2	2,4-Dichlorophenol	260	U
91-20-3	Naphthalene	1100	~~DE~~ → Report
106-47-8	4-Chloroaniline	260	U
87-68-3	Hexachlorobutadiene	260	U
105-60-2	Caprolactam	260	U
59-50-7	4-Chloro-3-methylphenol	260	U
91-57-6	2-Methylnaphthalene	330	D
77-47-4	Hexachlorocyclopentadiene	640	U
88-06-2	2,4,6-Trichlorophenol	260	U
95-95-4	2,4,5-Trichlorophenol	260	U
92-52-4	1,1'-Biphenyl	260	U
91-58-7	2-Chloronaphthalene	260	U
88-74-4	2-Nitroaniline	510	U
131-11-3	Dimethylphthalate	260	U
606-20-2	2,6-Dinitrotoluene	260	U
208-96-8	Acenaphthylene	260	U
99-09-2	3-Nitroaniline	510	U
83-32-9	Acenaphthene	260	U
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	510	U
132-64-9	Dibenzofuran	260	U
121-14-2	2,4-Dinitrotoluene	260	U

8/22/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K70DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0903

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 10.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	260	U
86-73-7	Fluorene	260	U
7005-72-3	4-Chlorophenyl-phenylether	260	U
100-01-6	4-Nitroaniline	510	U
534-52-1	4,6-Dinitro-2-methylphenol	510	U
86-30-6	N-Nitrosodiphenylamine 1	260	U
95-94-3	1,2,4,5-Tetrachlorobenzene	260	U
101-55-3	4-Bromophenyl-phenylether	260	U
118-74-1	Hexachlorobenzene	260	U
1912-24-9	Atrazine	260	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	160	DJ
120-12-7	Anthracene	260	U
86-74-8	Carbazole	260	U
84-74-2	Di-n-butylphthalate	260	U
206-44-0	Fluoranthene	260	U
129-00-0	Pyrene	260	U
85-68-7	Butylbenzylphthalate	260	U
91-94-1	3,3'-Dichlorobenzidine	260	U
56-55-3	Benzo(a)anthracene	260	U
218-01-9	Chrysene	260	U
117-81-7	Bis(2-ethylhexyl)phthalate	130	DJ
117-84-0	Di-n-octylphthalate	260	U
205-99-2	Benzo(b)fluoranthene	260	U
207-08-9	Benzo(k)fluoranthene	260	U
50-32-8	Benzo(a)pyrene	260	U
193-39-5	Indeno(1,2,3-cd)pyrene	260	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	260	U
58-90-2	2,3,4,6-Tetrachlorophenol	260	U
92-87-5	Benzidine	260	U
95-50-1	1,2-Dichlorobenzene	260	U
106-46-7	1,4-Dichlorobenzene	260	U
541-73-1	1,3-Dichlorobenzene	260	U
62-75-9	N-Nitrosodimethylamine	260	U
95-63-6	1,2,4-Trimethylbenzene	260	U
108-67-8	1,3,5-Trimethylbenzene	260	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K70DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0903

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	10.27	370	DJ
02		Unknown-02	17.39	510	DJ
03		Unknown-03	17.65	760	DJ
04		Unknown-04	17.89	800	DJ
05		Unknown-05	18.05	740	DJ
06		Unknown-06	18.63	490	DJ
07		Unknown-07	19.33	650	DJ
08		Unknown-08	20.21	370	DJ
09		Unknown-09	21.00	390	DJ
10					
11					
12					
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25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007) 8/22/08

Repat Only Acenaphthene, Indeno(1,2,3-cd) pyrene, Dibenzo(a,h) anthracene & Benzo(g,h,i) perylene & Pentachlorophenol

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0942

Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1200	E
91-57-6	2-Methylnaphthalene	380	E
208-96-8	Acenaphthylene	130	E
83-32-9	Acenaphthene	12	
86-73-7	Fluorene	64	E
87-86-5	Pentachlorophenol	2.6	U
85-01-8	Phenanthrene	170	E
120-12-7	Anthracene	24	E
206-44-0	Fluoranthene	71	E
129-00-0	Pyrene	89	E
56-55-3	Benzo(a)anthracene	26	E
218-01-9	Chrysene	37	E
205-99-2	Benzo(b)fluoranthene	15	E
207-08-9	Benzo(k)fluoranthene	16	E
50-32-8	Benzo(a)pyrene	25	E
193-39-5	Indeno(1,2,3-cd)pyrene	9.8	
53-70-3	Dibenzo(a,h)anthracene	2.8	J
191-24-2	Benzo(g,h,i)perylene	13	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02552

Report Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene

1F - FORM I SV-SIM

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K70DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.15DL

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0970

Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 5.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1500	DE
91-57-6	2-Methylnaphthalene	460	DE
208-96-8	Acenaphthylene	160	DE
83-32-9	Acenaphthene	15	D
86-73-7	Fluorene	85	DE
87-86-5	Pentachlorophenol	13	U
85-01-8	Phenanthrene	200	DE
120-12-7	Anthracene	230	DE
206-44-0	Fluoranthene	84	DE
129-00-0	Pyrene	110	DE
56-55-3	Benzo(a)anthracene	30	~~D~~
218-01-9	Chrysene	48	~~D~~
205-99-2	Benzo(b)fluoranthene	18	~~D~~
207-08-9	Benzo(k)fluoranthene	22	~~D~~
50-32-8	Benzo(a)pyrene	32	~~D~~
193-39-5	Indeno(1,2,3-cd)pyrene	12	D
53-70-3	Dibenzo(a,h)anthracene	6.4	U
191-24-2	Benzo(g,h,i)perylene	15	D

Report

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02563

Repat All but Naphthalene (re see J8K71DL)

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16426

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.2	UJ
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	24	
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	2.0	~~B~~U
156-60-5	trans-1,2-Dichloroethene	1.2	UJ
1634-04-4	Methyl tert-butyl ether	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	U
78-93-3	2-Butanone	6.2	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	6.4	
107-06-2	1,2-Dichloroethane	1.2	U
123-91-1	1,4-Dioxane	120	U
79-01-6	Trichloroethene	1.2	U
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	6.2	U
108-88-3	Toluene	1.0	J
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16426

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.2	UJ
591-78-6	2-Hexanone	6.2	U
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	6.1	
95-47-6	o-Xylene	6.5	
179601-23-1	m,p-Xylene	8.0	
100-42-5	Styrene	3.0	
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	U
87-68-3	Hexachlorobutadiene	1.2	U
67-72-1	Hexachloroethane	2.5	UJ
91-20-3	Naphthalene	850	E → Report from J8K71DL
630-20-6	1,1,1,2-Tetrachloroethane	1.2	UJ
96-18-4	1,2,3-Trichloropropane	1.2	UJ

8/22/08

SOM01.2 (6/2007)

00132

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 5.100 (g/mL) G Lab File ID: B16426

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.77	4.0	JN
02		Unknown-02	4.21	4.6	J
03		Unknown-03	4.54	8.8	J
04		Unknown-04	9.79	4.2	J
05		Unknown-05	11.13	7.1	J
06	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.47	9.1	NJ
07	000526-73-8	Benzene, 1,2,3-trimethyl-	15.64	6.8	NJ
08	000611-14-3	Benzene, 1-ethyl-2-methyl-	15.99	6.9	NJ
09	000620-14-4	Benzene, 1-ethyl-3-methyl-	17.08	31	NJ
10	000496-11-7	Indane	17.29	29	NJ
11	000095-13-6	Indene	17.87	170	NJ
12	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl	18.08	4.6	NJ
13	000099-87-6	Benzene, 1-methyl-4-(1-methyl	18.21	3.9	NJ
14	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	19.06	4.0	NJ
15	000527-84-4	Benzene, 1-methyl-2-(1-methyl	19.83	4.3	NJ
16	000270-82-6	2-Benzothiophene #	21.33	14	NJ
17	000090-12-0	Naphthalene, 1-methyl-	23.53	12	NJ
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Repot Only Naphthalene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16431

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	63	U
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl acetate	13	U
75-09-2	Methylene chloride	15	DB
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	63	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U
123-91-1	1,4-Dioxane	1300	U
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	63	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 0.5000 (g/mL) G. Lab File ID: B16431

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	63	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	63	U
87-61-6	1,2,3-Trichlorobenzene	63	U
87-68-3	Hexachlorobutadiene	13	U
67-72-1	Hexachloroethane	25	U
91-20-3	Naphthalene	96	~~U~~ J → Repeat
630-20-6	1,1,1,2-Tetrachloroethane	13	U
96-18-4	1,2,3-Trichloropropane	13	U

8/22/08

SOM01.2 (6/2007)

00428

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16431

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.38	72	DJ
02		Unknown-02	11.13	72	DJ
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

00429

Report All but Naphthalene

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0879

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	25	U
108-95-2	Phenol	39	
111-44-4	Bis(2-chloroethyl)ether	25	U
95-57-8	2-Chlorophenol	25	U
95-48-7	2-Methylphenol	25	U
108-60-1	2,2'-Oxybis(1-chloropropane)	25	U
98-86-2	Acetophenone	25	U
106-44-5	4-Methylphenol	25	U
621-64-7	N-Nitroso-di-n-propylamine	25	U
67-72-1	Hexachloroethane	25	U
98-95-3	Nitrobenzene	25	U
78-59-1	Isophorone	25	U
88-75-5	2-Nitrophenol	25	U
105-67-9	2,4-Dimethylphenol	25	U
111-91-1	Bis(2-chloroethoxy)methane	25	U
120-83-2	2,4-Dichlorophenol	25	U
91-20-3	Naphthalene	1300	EB → Report from J8K71DL
106-47-8	4-Chloroaniline	25	U
87-68-3	Hexachlorobutadiene	25	U
105-60-2	Caprolactam	25	U
59-50-7	4-Chloro-3-methylphenol	25	U
91-57-6	2-Methylnaphthalene	160	
77-47-4	Hexachlorocyclopentadiene	63	UJ
88-06-2	2,4,6-Trichlorophenol	25	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	14	J Q
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	25	U
606-20-2	2,6-Dinitrotoluene	25	U
208-96-8	Acenaphthylene	25	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	25	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	25	U
121-14-2	2,4-Dinitrotoluene	25	U

8/22/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0879

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	25	U
86-73-7	Fluorene	25	U
7005-72-3	4-Chlorophenyl-phenylether	25	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	25	U
95-94-3	1,2,4,5-Tetrachlorobenzene	25	U
101-55-3	4-Bromophenyl-phenylether	25	U
118-74-1	Hexachlorobenzene	25	U
1912-24-9	Atrazine	25	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	25	U
120-12-7	Anthracene	25	U
86-74-8	Carbazole	25	U
84-74-2	Di-n-butylphthalate	25	U
206-44-0	Fluoranthene	25	U
129-00-0	Pyrene	25	U
85-68-7	Butylbenzylphthalate	25	U
91-94-1	3,3'-Dichlorobenzidine	25	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	110	
117-84-0	Di-n-octylphthalate	25	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U
58-90-2	2,3,4,6-Tetrachlorophenol	25	U
92-87-5	Benzidine	25	U
95-50-1	1,2-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
62-75-9	N-Nitrosodimethylamine	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
108-67-8	1,3,5-Trimethylbenzene	26	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007) 11397

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0879

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	62	JN
02		Unknown-02	2.31	77	J
03		Unknown-03	2.58	56	J
04		Unknown-04	3.09	200	J
05		Unknown-05	4.20	57	J
06		Unknown-06	4.41	84	J
07		Unknown-07	4.91	150	J
08	000673-32-5	Benzene, 1-propynyl-	6.30	110	NJ
09		Unknown-08	10.58	120	JN
10		Unknown-09	12.91	70	JN
11	000491-30-5	1(2H)-Isoquinolinone	13.94	65	NJ
12		Unknown-10	14.69	53	JN
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	54	JN

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

51158

Report Only Naphthalene

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0904

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 10.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	250	U
108-95-2	Phenol	250	U
111-44-4	Bis(2-chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	250	U
95-48-7	2-Methylphenol	250	U
108-60-1	2,2'-Oxybis(1-chloropropane)	250	U
98-86-2	Acetophenone	250	U
106-44-5	4-Methylphenol	250	U
621-64-7	N-Nitroso-di-n-propylamine	250	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	250	U
78-59-1	Isophorone	250	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	250	U
111-91-1	Bis(2-chloroethoxy)methane	250	U
120-83-2	2,4-Dichlorophenol	250	U
91-20-3	Naphthalene	1200	~~DB~~ → Report
106-47-8	4-Chloroaniline	250	U
87-68-3	Hexachlorobutadiene	250	U
105-60-2	Caprolactam	250	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	180	DJ
77-47-4	Hexachlorocyclopentadiene	630	U
88-06-2	2,4,6-Trichlorophenol	250	U
95-95-4	2,4,5-Trichlorophenol	250	U
92-52-4	1,1'-Biphenyl	250	U
91-58-7	2-Chloronaphthalene	250	U
88-74-4	2-Nitroaniline	510	U
131-11-3	Dimethylphthalate	250	U
606-20-2	2,6-Dinitrotoluene	250	U
208-96-8	Acenaphthylene	250	U
99-09-2	3-Nitroaniline	510	U
83-32-9	Acenaphthene	250	U
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	510	U
132-64-9	Dibenzofuran	250	U
121-14-2	2,4-Dinitrotoluene	250	U

8/22/08

SOM01.2 (6/2007)

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0904

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 10.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	250	U
7005-72-3	4-Chlorophenyl-phenylether	250	U
100-01-6	4-Nitroaniline	510	U
534-52-1	4,6-Dinitro-2-methylphenol	510	U
86-30-6	N-Nitrosodiphenylamine 1	250	U
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U
101-55-3	4-Bromophenyl-phenylether	250	U
118-74-1	Hexachlorobenzene	250	U
1912-24-9	Atrazine	250	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	250	U
120-12-7	Anthracene	250	U
86-74-8	Carbazole	250	U
84-74-2	Di-n-butylphthalate	250	U
206-44-0	Fluoranthene	250	U
129-00-0	Pyrene	250	U
85-68-7	Butylbenzylphthalate	250	U
91-94-1	3,3'-Dichlorobenzidine	250	U
56-55-3	Benzo(a)anthracene	250	U
218-01-9	Chrysene	250	U
117-81-7	Bis(2-ethylhexyl)phthalate	250	U
117-84-0	Di-n-octylphthalate	250	U
205-99-2	Benzo(b)fluoranthene	250	U
207-08-9	Benzo(k)fluoranthene	250	U
50-32-8	Benzo(a)pyrene	250	U
193-39-5	Indeno(1,2,3-cd)pyrene	250	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	250	U
58-90-2	2,3,4,6-Tetrachlorophenol	250	U
92-87-5	Benzidine	250	U
95-50-1	1,2-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
62-75-9	N-Nitrosodimethylamine	250	U
95-63-6	1,2,4-Trimethylbenzene	250	U
108-67-8	1,3,5-Trimethylbenzene	250	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0904

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/14/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 10.0

CONCENTRATION UNITS:(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	10.27	390	DJ
02	003061-75-4	Behenic amide	18.07	290	DNJ
03		Unknown-02	18.50	390	DJ
04		Unknown-03	18.63	380	DJ
05		Unknown-04	19.34	390	DJ
06		Unknown-05	21.16	400	DJ
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007) 8/22/08

Report All PAH's except Naphthalene & 2-Methylnaphthalene

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0968

Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1200	E
91-57-6	2-Methylnaphthalene	170	E
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	4.0	
87-86-5	Pentachlorophenol	2.5	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.1	
206-44-0	Fluoranthene	7.1	
129-00-0	Pyrene	9.7	
56-55-3	Benzo(a)anthracene	3.0	
218-01-9	Chrysene	4.8	
205-99-2	Benzo(b)fluoranthene	2.5	
207-08-9	Benzo(k)fluoranthene	2.8	
50-32-8	Benzo(a)pyrene	3.5	
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	
53-70-3	Dibenzo(a,h)anthracene	1.3	U
191-24-2	Benzo(g,h,i)perylene	2.3	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02573

DO NOT REPORT

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K71DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.16DL

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0971

Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 5.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1300	DE
91-57-6	2-Methylnaphthalene	190	DE
208-96-8	Acenaphthylene	8.9	~~D~~ I
83-32-9	Acenaphthene	6.3	U
86-73-7	Fluorene	8.3	D
87-86-5	Pentachlorophenol	13	U
85-01-8	Phenanthrene	23	D
120-12-7	Anthracene	6.3	U
206-44-0	Fluoranthene	11	D
129-00-0	Pyrene	15	D
56-55-3	Benzo(a)anthracene	6.3	U
218-01-9	Chrysene	7.5	D
205-99-2	Benzo(b)fluoranthene	6.3	U
207-08-9	Benzo(k)fluoranthene	6.3	U
50-32-8	Benzo(a)pyrene	6.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	6.3	U
53-70-3	Dibenzo(a,h)anthracene	6.3	U
191-24-2	Benzo(g,h,i)perylene	6.3	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02594

Report All but Benzene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 4.000 (g/mL) G Lab File ID: B16383

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.6	U
74-87-3	Chloromethane	1.6	U
75-01-4	Vinyl chloride	1.6	U
74-83-9	Bromomethane	1.6	U
75-00-3	Chloroethane	1.6	U
75-69-4	Trichlorofluoromethane	1.9	~~J~~
75-35-4	1,1-Dichloroethene	1.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U
67-64-1	Acetone	64	
75-15-0	Carbon disulfide	5.9	
79-20-9	Methyl acetate	1.6	U
75-09-2	Methylene chloride	3.6	
156-60-5	trans-1,2-Dichloroethene	1.6	U
1634-04-4	Methyl tert-butyl ether	1.6	U
75-34-3	1,1-Dichloroethane	1.6	U
156-59-2	cis-1,2-Dichloroethene	1.6	U
78-93-3	2-Butanone	15	
74-97-5	Bromochloromethane	1.6	U
67-66-3	Chloroform	1.6	U
71-55-6	1,1,1-Trichloroethane	1.6	U
110-82-7	Cyclohexane	1.6	U
56-23-5	Carbon tetrachloride	1.6	U
71-43-2	Benzene	230	E → Report from J8K72DL
107-06-2	1,2-Dichloroethane	1.6	U
123-91-1	1,4-Dioxane	160	U
79-01-6	Trichloroethene	1.6	U
108-87-2	Methylcyclohexane	1.6	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	1.6	U
10061-01-5	cis-1,3-Dichloropropene	1.6	U
108-10-1	4-Methyl-2-pentanone	7.9	U
108-88-3	Toluene	2.1	
10061-02-6	trans-1,3-Dichloropropene	1.6	U
79-00-5	1,1,2-Trichloroethane	1.6	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 4.000 (g/mL) G Lab File ID: B16383

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.6	U
591-78-6	2-Hexanone	7.9	U
124-48-1	Dibromochloromethane	1.6	U
106-93-4	1,2-Dibromoethane	1.6	U
108-90-7	Chlorobenzene	1.6	U
100-41-4	Ethylbenzene	1.6	U
95-47-6	o-Xylene	1.6	U
179601-23-1	m,p-Xylene	1.6	U
100-42-5	Styrene	1.6	U
75-25-2	Bromoform	1.6	U
98-82-8	Isopropylbenzene	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U
541-73-1	1,3-Dichlorobenzene	1.6	U
106-46-7	1,4-Dichlorobenzene	1.6	U
95-50-1	1,2-Dichlorobenzene	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1.6	U
120-82-1	1,2,4-Trichlorobenzene	7.9	U
87-61-6	1,2,3-Trichlorobenzene	7.9 ~~0.17~~	~~JB~~ U
87-68-3	Hexachlorobutadiene	1.6	U
67-72-1	Hexachloroethane	3.2	U
91-20-3	Naphthalene	1.6 ~~1.2~~	~~JB~~ U
630-20-6	1,1,1,2-Tetrachloroethane	1.6	U
96-18-4	1,2,3-Trichloropropane	1.6	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 4.000 (g/mL) G Lab File ID: B16383

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000110-02-1	Thiophene	7.67	11	NJ
02		Unknown-01	11.14	7.1	JN
03		Unknown-02	16.17	2.7	JN
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	9.3	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report Only Benzene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16385

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	69	D
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl acetate	13	U
75-09-2	Methylene chloride	5.9	DJ
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	63	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	180	~~U~~ → Report
107-06-2	1,2-Dichloroethane	13	U
123-91-1	1,4-Dioxane	1300	U
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	63	U
108-88-3	Toluene	4.4	DJ
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U

8/22/08

SOM01.2 (6/2007)

99466

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16385

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	63	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	63	U
87-61-6	1,2,3-Trichlorobenzene	63	U
87-68-3	Hexachlorobutadiene	13	U
67-72-1	Hexachloroethane	25	U
91-20-3	Naphthalene	5.9	DJB
630-20-6	1,1,1,2-Tetrachloroethane	13	U
96-18-4	1,2,3-Trichloropropane	13	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K72DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16385

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 21 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000075-09-2	Methylene Chloride	4.12	43	DNJ
02		Unknown-01	4.65	62	DJ
03		Unknown-02	11.14	71	DJ
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 6/2007

8/22/08

Repat All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0880

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	25	U
108-95-2	Phenol	81	
111-44-4	Bis(2-chloroethyl)ether	25	U
95-57-8	2-Chlorophenol	25	U
95-48-7	2-Methylphenol	25	U
108-60-1	2,2'-Oxybis(1-chloropropane)	25	U
98-86-2	Acetophenone	25	U
106-44-5	4-Methylphenol	25	U
621-64-7	N-Nitroso-di-n-propylamine	25	U
67-72-1	Hexachloroethane	25	U
98-95-3	Nitrobenzene	25	U
78-59-1	Isophorone	25	U
88-75-5	2-Nitrophenol	25	U
105-67-9	2,4-Dimethylphenol	25	U
111-91-1	Bis(2-chloroethoxy)methane	25	U
120-83-2	2,4-Dichlorophenol	25	U
91-20-3	Naphthalene	25	U
106-47-8	4-Chloroaniline	25	U
87-68-3	Hexachlorobutadiene	25	U
105-60-2	Caprolactam	25	U
59-50-7	4-Chloro-3-methylphenol	25	U
91-57-6	2-Methylnaphthalene	25	U
77-47-4	Hexachlorocyclopentadiene	63	UJ
88-06-2	2,4,6-Trichlorophenol	25	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	25	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	25	U
606-20-2	2,6-Dinitrotoluene	25	U
208-96-8	Acenaphthylene	25	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	25	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	25	U
121-14-2	2,4-Dinitrotoluene	25	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0880

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	25	U
86-73-7	Fluorene	25	U
7005-72-3	4-Chlorophenyl-phenylether	25	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	25	U
95-94-3	1,2,4,5-Tetrachlorobenzene	25	U
101-55-3	4-Bromophenyl-phenylether	25	U
118-74-1	Hexachlorobenzene	25	U
1912-24-9	Atrazine	25	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	25	U
120-12-7	Anthracene	25	U
86-74-8	Carbazole	25	U
84-74-2	Di-n-butylphthalate	25	U
206-44-0	Fluoranthene	25	U
129-00-0	Pyrene	25	U
85-68-7	Butylbenzylphthalate	25	U
91-94-1	3,3'-Dichlorobenzidine	25	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	140	
117-84-0	Di-n-octylphthalate	25	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U
58-90-2	2,3,4,6-Tetrachlorophenol	25	U
92-87-5	Benzidine	25	U
95-50-1	1,2-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
62-75-9	N-Nitrosodimethylamine	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
108-67-8	1,3,5-Trimethylbenzene	25	U

1 - Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0880

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	69	J~~B~~N
02		Unknown-02	2.31	92	J
03		Unknown-03	2.47	50	J
04		Unknown-04	2.58	62	J
05		Unknown-05	3.09	220	J
06		Unknown-06	4.20	65	J
07		Unknown-07	4.41	92	J
08		Unknown-08	4.91	150	J
09		Unknown-09	8.12	66	J
10		Unknown-10	8.60	110	J
11		Unknown-11	10.12	130	J
12	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.27	390	NJ
13		Unknown-12	10.58	120	JN
14		Unknown-13	18.63	57	J
15		Unknown-14	19.34	59	J
16		Unknown-15	19.75	51	J
17	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~20.22~~	~~52~~	~~NJ~~
18		Unknown-16	21.32	74	JN
19		Unknown-17	22.73	60	J
20		Unknown-18	24.53	50	J
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

REPORT ALL PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K72

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.17

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0977

Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	7.9	
91-57-6	2-Methylnaphthalene	2.2	
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	1.3	U
87-86-5	Pentachlorophenol	2.5	U
85-01-8	Phenanthrene	2.4	
120-12-7	Anthracene	1.3	U
206-44-0	Fluoranthene	3.0	
129-00-0	Pyrene	4.3	
56-55-3	Benzo(a)anthracene	1.3	U
218-01-9	Chrysene	2.3	
205-99-2	Benzo(b)fluoranthene	1.3	U
207-08-9	Benzo(k)fluoranthene	1.3	U
50-32-8	Benzo(a)pyrene	15	~~J~~
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	U
53-70-3	Dibenzo(a,h)anthracene	1.3	U
191-24-2	Benzo(g,h,i)perylene	1.3	U

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02601

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 3.500 (g/mL) G Lab File ID: B16387

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.8	U
74-87-3	Chloromethane	1.8	U
75-01-4	Vinyl chloride	1.8	U
74-83-9	Bromomethane	1.8	U
75-00-3	Chloroethane	1.8	U
75-69-4	Trichlorofluoromethane	2.4	~~J~~
75-35-4	1,1-Dichloroethene	1.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.8	U
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	4.3	
79-20-9	Methyl acetate	1.8	U
75-09-2	Methylene chloride	2.3	U
156-60-5	trans-1,2-Dichloroethene	1.8	U
1634-04-4	Methyl tert-butyl ether	1.8	U
75-34-3	1,1-Dichloroethane	1.8	U
156-59-2	cis-1,2-Dichloroethene	1.8	U
78-93-3	2-Butanone	9.2	U
74-97-5	Bromochloromethane	1.8	U
67-66-3	Chloroform	1.8 ~~0.48~~	~~J~~ U
71-55-6	1,1,1-Trichloroethane	1.8	U
110-82-7	Cyclohexane	1.8	U
56-23-5	Carbon tetrachloride	1.8	U
71-43-2	Benzene	44	
107-06-2	1,2-Dichloroethane	1.8	U
123-91-1	1,4-Dioxane	180	U
79-01-6	Trichloroethene	0.44	J Q
108-87-2	Methylcyclohexane	0.37	J Q
78-87-5	1,2-Dichloropropane	1.8	U
75-27-4	Bromodichloromethane	1.8	U
10061-01-5	cis-1,3-Dichloropropene	0.63	J Q
108-10-1	4-Methyl-2-pentanone	9.2	U
108-88-3	Toluene	2.1	
10061-02-6	trans-1,3-Dichloropropene	0.63	J Q
79-00-5	1,1,2-Trichloroethane	1.8	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 3.500 (g/mL) G Lab File ID: B16387

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	0.45	JQ
591-78-6	2-Hexanone	9.2	U
124-48-1	Dibromochloromethane	1.8	U
106-93-4	1,2-Dibromoethane	1.8	U
108-90-7	Chlorobenzene	1.8	U
100-41-4	Ethylbenzene	0.73	JQ
95-47-6	o-Xylene	0.49	JQ
179601-23-1	m,p-Xylene	0.52	JQ
100-42-5	Styrene	1.8	U
75-25-2	Bromoform	1.8	U
98-82-8	Isopropylbenzene	1.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1.8	U
541-73-1	1,3-Dichlorobenzene	1.8	U
106-46-7	1,4-Dichlorobenzene	0.37	JQ
95-50-1	1,2-Dichlorobenzene	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1.8	U
120-82-1	1,2,4-Trichlorobenzene	9.2	U
87-61-6	1,2,3-Trichlorobenzene	9.2 ~~0.17~~	~~JB~~U
87-68-3	Hexachlorobutadiene	1.8	U
67-72-1	Hexachloroethane	3.7	U
91-20-3	Naphthalene	2.5	~~J~~U
630-20-6	1,1,1,2-Tetrachloroethane	1.8	U
96-18-4	1,2,3-Trichloropropane	1.8	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 3.500 (g/mL) G Lab File ID: B16387

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.47	9.8	JN
02		Unknown-02	4.91	6.1	J
03		Unknown-03	5.36	6.5	J
04		Unknown-04	7.23	5.8	J
05		Unknown-05	9.67	6.6	J
06		Unknown-06	11.13	7.8	J
07	000100-41-4	Ethylbenzene	13.00	5.5	NJ
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
23					
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25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	18	JN

[1] EPA-designated Registry Number.

SOM01.2 6/2007

8/22/08

39465

Report All except PAH's

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0881

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	26	U
108-95-2	Phenol	26	U
111-44-4	Bis(2-chloroethyl)ether	26	U
95-57-8	2-Chlorophenol	26	U
95-48-7	2-Methylphenol	26	U
108-60-1	2,2'-Oxybis(1-chloropropane)	26	U
98-86-2	Acetophenone	26	U
106-44-5	4-Methylphenol	26	U
621-64-7	N-Nitroso-di-n-propylamine	26	U
67-72-1	Hexachloroethane	26	U
98-95-3	Nitrobenzene	26	U
78-59-1	Isophorone	26	U
88-75-5	2-Nitrophenol	26	U
105-67-9	2,4-Dimethylphenol	26	U
111-91-1	Bis(2-chloroethoxy)methane	26	U
120-83-2	2,4-Dichlorophenol	26	U
91-20-3	Naphthalene	26	U
106-47-8	4-Chloroaniline	26	U
87-68-3	Hexachlorobutadiene	26	U
105-60-2	Caprolactam	26	U
59-50-7	4-Chloro-3-methylphenol	26	U
91-57-6	2-Methylnaphthalene	26	U
77-47-4	Hexachlorocyclopentadiene	64	UJ
88-06-2	2,4,6-Trichlorophenol	26	U
95-95-4	2,4,5-Trichlorophenol	26	U
92-52-4	1,1'-Biphenyl	26	U
91-58-7	2-Chloronaphthalene	26	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	26	U
606-20-2	2,6-Dinitrotoluene	26	U
208-96-8	Acenaphthylene	26	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	26	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	26	U
121-14-2	2,4-Dinitrotoluene	26	U

8/22/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0881

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	26	U
86-73-7	Fluorene	26	U
7005-72-3	4-Chlorophenyl-phenylether	26	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	26	U
95-94-3	1,2,4,5-Tetrachlorobenzene	26	U
101-55-3	4-Bromophenyl-phenylether	26	U
118-74-1	Hexachlorobenzene	26	U
1912-24-9	Atrazine	26	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	26	U
120-12-7	Anthracene	26	U
86-74-8	Carbazole	26	U
84-74-2	Di-n-butylphthalate	26	U
206-44-0	Fluoranthene	26	U
129-00-0	Pyrene	26	U
85-68-7	Butylbenzylphthalate	26	U
91-94-1	3,3'-Dichlorobenzidine	26	U
56-55-3	Benzo(a)anthracene	26	U
218-01-9	Chrysene	26	U
117-81-7	Bis(2-ethylhexyl)phthalate	150	
117-84-0	Di-n-octylphthalate	26	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	26	U
50-32-8	Benzo(a)pyrene	26	U
193-39-5	Indeno(1,2,3-cd)pyrene	26	U
53-70-3	Dibenzo(a,h)anthracene	26	U
191-24-2	Benzo(g,h,i)perylene	26	U
58-90-2	2,3,4,6-Tetrachlorophenol	26	U
92-87-5	Benzidine	26	U
95-50-1	1,2-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
541-73-1	1,3-Dichlorobenzene	26	U
62-75-9	N-Nitrosodimethylamine	26	U
95-63-6	1,2,4-Trimethylbenzene	26	U
108-67-8	1,3,5-Trimethylbenzene	26	U

1 Cannot be separated from Diphenylamine

8/22/08

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0881

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.28	97	JN
02		Unknown-02	2.58	110	J
03		Unknown-03	3.09	210	J
04		Unknown-04	4.20	59	J
05		Unknown-05	4.41	85	J
06		Unknown-06	4.91	200	J
07		Unknown-07	8.13	69	J
08		Unknown-08	8.60	89	J
09		Unknown-09	10.17	130	J
10	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.28	290	NJ
11		Unknown-10	10.59	130	JN
12	000112-84-5	13-Docosenamide, (Z)-	18.07	64	NJ
13		Unknown-11	19.34	69	JN
14	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~20.22~~	~~78~~	~~NJ~~
15		Unknown-12	21.05	63	JN
16		Unknown-13	21.32	78	J
17		Unknown-14	22.73	79	J
18	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~24.53~~	~~65~~	~~NJ~~
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

#1991

Report All PAHs from this run

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K73

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.18

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0978

Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	10	
91-57-6	2-Methylnaphthalene	3.4	
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	1.3	U
87-86-5	Pentachlorophenol	2.6	U
85-01-8	Phenanthrene	1.3	U
120-12-7	Anthracene	1.3	U
206-44-0	Fluoranthene	1.3	UJ
129-00-0	Pyrene	9.5	
56-55-3	Benzo(a)anthracene	2.6	
218-01-9	Chrysene	4.3	
205-99-2	Benzo(b)fluoranthene	2.3	
207-08-9	Benzo(k)fluoranthene	2.7	
50-32-8	Benzo(a)pyrene	13	~~E~~ J
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	
53-70-3	Dibenzo(a,h)anthracene	1.3	U
191-24-2	Benzo(g,h,i)perylene	2.3	

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02510

Report All but Benzene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16423

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.5	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.5	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	1.5	U
75-69-4	Trichlorofluoromethane	7.8	~~J~~
75-35-4	1,1-Dichloroethene	1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U
67-64-1	Acetone	33	
75-15-0	Carbon disulfide	7.5	
79-20-9	Methyl acetate	1.5	U
75-09-2	Methylene chloride	1.5 ~~0.99~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	1.5	U
1634-04-4	Methyl tert-butyl ether	1.5	U
75-34-3	1,1-Dichloroethane	1.5	U
156-59-2	cis-1,2-Dichloroethene	1.5	U
78-93-3	2-Butanone	7.3	U
74-97-5	Bromochloromethane	1.5	U
67-66-3	Chloroform	1.5	U
71-55-6	1,1,1-Trichloroethane	1.5	U
110-82-7	Cyclohexane	1.5	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	380	E → Report from J8K79DL
107-06-2	1,2-Dichloroethane	1.5	U
123-91-1	1,4-Dioxane	150	U
79-01-6	Trichloroethene	1.5	U
108-87-2	Methylcyclohexane	1.5	U
78-87-5	1,2-Dichloropropane	1.5	U
75-27-4	Bromodichloromethane	1.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	U
108-10-1	4-Methyl-2-pentanone	7.3	U
108-88-3	Toluene	1.2	J Q
10061-02-6	trans-1,3-Dichloropropene	1.5	U
79-00-5	1,1,2-Trichloroethane	1.5	U

8/22/08

SOM01.2 (6/2007)

00537

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16423

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.5	U
591-78-6	2-Hexanone	7.3	U
124-48-1	Dibromochloromethane	1.5	U
106-93-4	1,2-Dibromoethane	1.5	U
108-90-7	Chlorobenzene	1.5	U
100-41-4	Ethylbenzene	1.5	U
95-47-6	o-Xylene	1.5	U
179601-23-1	m,p-Xylene	2.3	
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.5	U
98-82-8	Isopropylbenzene	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U
541-73-1	1,3-Dichlorobenzene	1.5	U
106-46-7	1,4-Dichlorobenzene	1.5	U
95-50-1	1,2-Dichlorobenzene	1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1.5	U
120-82-1	1,2,4-Trichlorobenzene	7.3	U
87-61-6	1,2,3-Trichlorobenzene	7.3	U
87-68-3	Hexachlorobutadiene	1.5	U
67-72-1	Hexachloroethane	2.9	U
91-20-3	Naphthalene	1.2	JQ
630-20-6	1,1,1,2-Tetrachloroethane	1.5	U
96-18-4	1,2,3-Trichloropropane	1.5	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 4.500 (g/mL) G Lab File ID: B16423

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000110-02-1	Thiophene	7.64	14	NJ
02		Unknown-01	11.11	8.0	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	24	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report Only Benzene

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16386

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	66	U
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl acetate	13	U
75-09-2	Methylene chloride	7.6	DJ
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	66	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	150	~~U~~ → Report
107-06-2	1,2-Dichloroethane	13	U
123-91-1	1,4-Dioxane	1300	U
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	66	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U

8/22/08

SOM01.2 (6/20/7) 34525

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16386

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	66	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	66	U
87-61-6	1,2,3-Trichlorobenzene	66	U
87-68-3	Hexachlorobutadiene	13	U
67-72-1	Hexachloroethane	26	U
91-20-3	Naphthalene	13	U
630-20-6	1,1,1,2-Tetrachloroethane	13	U
96-18-4	1,2,3-Trichloropropane	13	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K79DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19DL

Sample wt/vol: 0.5000 (g/mL) G Lab File ID: B16386

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 24 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	79	DJ
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	59	DJ

[1] EPA-designated Registry Number.

SOM01.2 8/3877

8/22/08

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0882

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	26	UJ
108-95-2	Phenol	62	
111-44-4	Bis(2-chloroethyl)ether	26	U
95-57-8	2-Chlorophenol	26	U
95-48-7	2-Methylphenol	26	U
108-60-1	2,2'-Oxybis(1-chloropropane)	26	U
98-86-2	Acetophenone	26	U
106-44-5	4-Methylphenol	26	U
621-64-7	N-Nitroso-di-n-propylamine	26	U
67-72-1	Hexachloroethane	26	U
98-95-3	Nitrobenzene	26	U
78-59-1	Isophorone	26	U
88-75-5	2-Nitrophenol	26	U
105-67-9	2,4-Dimethylphenol	26	U
111-91-1	Bis(2-chloroethoxy)methane	26	U
120-83-2	2,4-Dichlorophenol	26	U
91-20-3	Naphthalene	26 ~~19~~	~~JB~~U
106-47-8	4-Chloroaniline	26	UJ
87-68-3	Hexachlorobutadiene	26	U
105-60-2	Caprolactam	26	U
59-50-7	4-Chloro-3-methylphenol	26	U
91-57-6	2-Methylnaphthalene	26	U
77-47-4	Hexachlorocyclopentadiene	66	U
88-06-2	2,4,6-Trichlorophenol	26	U
95-95-4	2,4,5-Trichlorophenol	26	U
92-52-4	1,1'-Biphenyl	26	U
91-58-7	2-Chloronaphthalene	26	U
88-74-4	2-Nitroaniline	53	U
131-11-3	Dimethylphthalate	26	U
606-20-2	2,6-Dinitrotoluene	26	U
208-96-8	Acenaphthylene	26	U
99-09-2	3-Nitroaniline	53	U
83-32-9	Acenaphthene	26	U
51-28-5	2,4-Dinitrophenol	130	U
100-02-7	4-Nitrophenol	53	U
132-64-9	Dibenzofuran	26	U
121-14-2	2,4-Dinitrotoluene	26	U

8/22/08

30M01.2 (6/2007) 02531

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0882

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	26	U
86-73-7	Fluorene	26	U
7005-72-3	4-Chlorophenyl-phenylether	26	U
100-01-6	4-Nitroaniline	53	U
534-52-1	4,6-Dinitro-2-methylphenol	53	U
86-30-6	N-Nitrosodiphenylamine 1	26	U
95-94-3	1,2,4,5-Tetrachlorobenzene	26	U
101-55-3	4-Bromophenyl-phenylether	26	U
118-74-1	Hexachlorobenzene	26	U
1912-24-9	Atrazine	26	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	26	U
120-12-7	Anthracene	26	U
86-74-8	Carbazole	26	U
84-74-2	Di-n-butylphthalate	26	U
206-44-0	Fluoranthene	26	U
129-00-0	Pyrene	26	U
85-68-7	Butylbenzylphthalate	26	U
91-94-1	3,3'-Dichlorobenzidine	26	U
56-55-3	Benzo(a)anthracene	26	U
218-01-9	Chrysene	26	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	
117-84-0	Di-n-octylphthalate	26	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	26	U
50-32-8	Benzo(a)pyrene	26	U
193-39-5	Indeno(1,2,3-cd)pyrene	26	U
53-70-3	Dibenzo(a,h)anthracene	26	U
191-24-2	Benzo(g,h,i)perylene	26	U
58-90-2	2,3,4,6-Tetrachlorophenol	26	U
92-87-5	Benzidine	26	U
95-50-1	1,2-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
541-73-1	1,3-Dichlorobenzene	26	U
62-75-9	N-Nitrosodimethylamine	26	U
95-63-6	1,2,4-Trimethylbenzene	26	U
108-67-8	1,3,5-Trimethylbenzene	26	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0882

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	67	J~~B~~N
02		Unknown-02	2.58	68	J
03		Unknown-03	3.09	230	J
04		Unknown-04	4.20	77	J
05		Unknown-05	4.41	120	J
06		Unknown-06	4.91	200	J
07		Unknown-07	8.12	67	J
08		Unknown-08	8.60	83	J
09		Unknown-09	10.13	140	J
10		Unknown-10	10.16	66	J
11		Unknown-11	10.27	270	J
12		Unknown-12	10.58	77	J
13	000556-71-8	Cyclononasiloxane, octadecame	17.94	150	NJ
14	000112-84-5	13-Docosenamide, (Z)-	18.07	74	NJ
15	000111-02-4	2,6,10,14,18,22-Tetracosahexa	18.23	66	NJ
16		Unknown-13	18.60	87	JN
17		Unknown-14	21.04	260	J
18		Unknown-15	24.96	90	J
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K79

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.19

Sample wt/vol: 100.2 (g/mL) G Lab File ID: G0979

Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	18	EJ
91-57-6	2-Methylnaphthalene	5.9	
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	1.3	U
87-86-5	Pentachlorophenol	2.6	U
85-01-8	Phenanthrene	4.1	
120-12-7	Anthracene	1.3	U
206-44-0	Fluoranthene	8.6	
129-00-0	Pyrene	11	
56-55-3	Benzo(a)anthracene	3.2	
218-01-9	Chrysene	4.9	
205-99-2	Benzo(b)fluoranthene	2.7	
207-08-9	Benzo(k)fluoranthene	2.9	
50-32-8	Benzo(a)pyrene	10	
193-39-5	Indeno(1,2,3-cd)pyrene	1.8	
53-70-3	Dibenzo(a,h)anthracene	1.3	U
191-24-2	Benzo(g,h,i)perylene	2.5	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02522

Report All but Benzene (R from J8K80DL)

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16389

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1.9	U
74-87-3	Chloromethane	1.9	U
75-01-4	Vinyl chloride	1.9	U
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	4.5	~~J~~
75-35-4	1,1-Dichloroethene	1.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U
67-64-1	Acetone	56	
75-15-0	Carbon disulfide	5.6	
79-20-9	Methyl acetate	1.9	U
75-09-2	Methylene chloride	2.4	U
156-60-5	trans-1,2-Dichloroethene	1.9	U
1634-04-4	Methyl tert-butyl ether	1.9	U
75-34-3	1,1-Dichloroethane	1.9	U
156-59-2	cis-1,2-Dichloroethene	1.9	U
78-93-3	2-Butanone	9.4	U
74-97-5	Bromochloromethane	1.9	U
67-66-3	Chloroform	1.4 ~~0.56~~	~~J~~ U
71-55-6	1,1,1-Trichloroethane	1.9	U
110-82-7	Cyclohexane	1.9	U
56-23-5	Carbon tetrachloride	1.9	U
71-43-2	Benzene	170	E → Report from J8K80DL
107-06-2	1,2-Dichloroethane	1.9	U
123-91-1	1,4-Dioxane	190	U
79-01-6	Trichloroethene	0.44	JQ
108-87-2	Methylcyclohexane	0.39	JQ
78-87-5	1,2-Dichloropropane	1.9	U
75-27-4	Bromodichloromethane	1.9	U
10061-01-5	cis-1,3-Dichloropropene	0.64	JQ
108-10-1	4-Methyl-2-pentanone	9.4	U
108-88-3	Toluene	2.9	
10061-02-6	trans-1,3-Dichloropropene	0.64	JQ
79-00-5	1,1,2-Trichloroethane	1.9	U

8/22/08

SOM01.2 (8/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16389

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	0.44	J Q
591-78-6	2-Hexanone	9.4	U
124-48-1	Dibromochloromethane	1.9	U
106-93-4	1,2-Dibromoethane	1.9	U
108-90-7	Chlorobenzene	1.9	U
100-41-4	Ethylbenzene	1.1	J Q
95-47-6	o-Xylene	0.90	J Q
179601-23-1	m,p-Xylene	0.66	J Q
100-42-5	Styrene	1.9	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene	1.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U
541-73-1	1,3-Dichlorobenzene	1.9	U
106-46-7	1,4-Dichlorobenzene	1.9	U
95-50-1	1,2-Dichlorobenzene	1.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1.9	U
120-82-1	1,2,4-Trichlorobenzene	9.4	U
87-61-6	1,2,3-Trichlorobenzene	9.4 ~~0.17~~	~~JB~~ U
87-68-3	Hexachlorobutadiene	1.9	U
67-72-1	Hexachloroethane	3.8	U
91-20-3	Naphthalene	1.9 ~~1.6~~	~~JB~~ U
630-20-6	1,1,1,2-Tetrachloroethane	1.9	U
96-18-4	1,2,3-Trichloropropane	1.9	U

8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 3.400 (g/mL) G Lab File ID: B16389

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.71	7.2	JN
02		Unknown-02	5.46	5.0	J
03		Unknown-03	6.67	4.7	J
04	000110-02-1	Thiophene	7.66	11	NJ
05		Unknown-04	11.14	10.	JN
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	14	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Only Report Benzene

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K80DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20DL

Sample wt/vol: 1.000 (g/mL) G Lab File ID: B16382

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.4	U
74-87-3	Chloromethane	6.4	U
75-01-4	Vinyl chloride	6.4	U
74-83-9	Bromomethane	6.4	U
75-00-3	Chloroethane	6.4	U
75-69-4	Trichlorofluoromethane	6.4	U
75-35-4	1,1-Dichloroethene	6.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.4	U
67-64-1	Acetone	49	D
75-15-0	Carbon disulfide	6.4	U
79-20-9	Methyl acetate	6.4	U
75-09-2	Methylene chloride	4.4	DJ
156-60-5	trans-1,2-Dichloroethene	6.4	U
1634-04-4	Methyl tert-butyl ether	6.4	U
75-34-3	1,1-Dichloroethane	6.4	U
156-59-2	cis-1,2-Dichloroethene	6.4	U
78-93-3	2-Butanone	32	U
74-97-5	Bromochloromethane	6.4	U
67-66-3	Chloroform	6.4	U
71-55-6	1,1,1-Trichloroethane	6.4	U
110-82-7	Cyclohexane	6.4	U
56-23-5	Carbon tetrachloride	6.4	U
71-43-2	Benzene	250	~~D~~ → Repot
107-06-2	1,2-Dichloroethane	6.4	U
123-91-1	1,4-Dioxane	640	U
79-01-6	Trichloroethene	1.4	DJ
108-87-2	Methylcyclohexane	6.4	U
78-87-5	1,2-Dichloropropane	6.4	U
75-27-4	Bromodichloromethane	6.4	U
10061-01-5	cis-1,3-Dichloropropene	6.4	U
108-10-1	4-Methyl-2-pentanone	32	U
108-88-3	Toluene	4.2	DJ
10061-02-6	trans-1,3-Dichloropropene	6.4	U
79-00-5	1,1,2-Trichloroethane	6.4	U

8/22/08

SOM01.2 (2/2007)

565

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K80DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20DL

Sample wt/vol: 1.000 (g/mL) G Lab File ID: B16382

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	1.8	DJ
591-78-6	2-Hexanone	32	U
124-48-1	Dibromochloromethane	6.4	U
106-93-4	1,2-Dibromoethane	6.4	U
108-90-7	Chlorobenzene	6.4	U
100-41-4	Ethylbenzene	1.4	DJ
95-47-6	o-Xylene	6.4	U
179601-23-1	m,p-Xylene	6.4	U
100-42-5	Styrene	6.4	U
75-25-2	Bromoform	6.4	U
98-82-8	Isopropylbenzene	6.4	U
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U
541-73-1	1,3-Dichlorobenzene	6.4	U
106-46-7	1,4-Dichlorobenzene	6.4	U
95-50-1	1,2-Dichlorobenzene	6.4	U
96-12-8	1,2-Dibromo-3-chloropropane	6.4	U
120-82-1	1,2,4-Trichlorobenzene	32	U
87-61-6	1,2,3-Trichlorobenzene	32	U
87-68-3	Hexachlorobutadiene	6.4	U
67-72-1	Hexachloroethane	13	U
91-20-3	Naphthalene	3.5	DJB
630-20-6	1,1,1,2-Tetrachloroethane	6.4	U
96-18-4	1,2,3-Trichloropropane	6.4	U

R
8/22/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K80DL

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20DL

Sample wt/vol: 1.000 (g/mL) G Lab File ID: B16382

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 22 Date Analyzed: 05/25/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.14	37	DJ
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	22	DJ

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 567
~~568~~

Report All except PAH's

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0883

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	26	U
108-95-2	Phenol	100	
111-44-4	Bis(2-chloroethyl)ether	26	U
95-57-8	2-Chlorophenol	26	U
95-48-7	2-Methylphenol	26	U
108-60-1	2,2'-Oxybis(1-chloropropane)	26	U
98-86-2	Acetophenone	26	U
106-44-5	4-Methylphenol	26	U
621-64-7	N-Nitroso-di-n-propylamine	26	U
67-72-1	Hexachloroethane	26	U
98-95-3	Nitrobenzene	26	U
78-59-1	Isophorone	26	U
88-75-5	2-Nitrophenol	26	U
105-67-9	2,4-Dimethylphenol	26	U
111-91-1	Bis(2-chloroethoxy)methane	26	U
120-83-2	2,4-Dichlorophenol	26	U
91-20-3	Naphthalene	26	U
106-47-8	4-Chloroaniline	26	U
87-68-3	Hexachlorobutadiene	26	U
105-60-2	Caprolactam	26	U
59-50-7	4-Chloro-3-methylphenol	26	U
91-57-6	2-Methylnaphthalene	26	U
77-47-4	Hexachlorocyclopentadiene	64	UJ
88-06-2	2,4,6-Trichlorophenol	26	U
95-95-4	2,4,5-Trichlorophenol	26	U
92-52-4	1,1'-Biphenyl	26	U
91-58-7	2-Chloronaphthalene	26	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	26	U
606-20-2	2,6-Dinitrotoluene	26	U
208-96-8	Acenaphthylene	26	U
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	26	U
51-28-5	2,4-Dinitrophenol	130	UJ
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	26	U
121-14-2	2,4-Dinitrotoluene	26	U

8/22/08

SOM01.2 (6/2007) 02356

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0883

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	26	U
86-73-7	Fluorene	26	U
7005-72-3	4-Chlorophenyl-phenylether	26	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine 1	26	U
95-94-3	1,2,4,5-Tetrachlorobenzene	26	U
101-55-3	4-Bromophenyl-phenylether	26	U
118-74-1	Hexachlorobenzene	26	U
1912-24-9	Atrazine	26	U
87-86-5	Pentachlorophenol	26	UJ
85-01-8	Phenanthrene	26	U
120-12-7	Anthracene	26	U
86-74-8	Carbazole	26	U
84-74-2	Di-n-butylphthalate	26	U
206-44-0	Fluoranthene	26	U
129-00-0	Pyrene	26	U
85-68-7	Butylbenzylphthalate	26	U
91-94-1	3,3'-Dichlorobenzidine	26	U
56-55-3	Benzo(a)anthracene	26	U
218-01-9	Chrysene	26	U
117-81-7	Bis(2-ethylhexyl)phthalate	120	
117-84-0	Di-n-octylphthalate	26	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	26	U
50-32-8	Benzo(a)pyrene	26	U
193-39-5	Indeno(1,2,3-cd)pyrene	26	U
53-70-3	Dibenzo(a,h)anthracene	26	U
191-24-2	Benzo(g,h,i)perylene	26	U
58-90-2	2,3,4,6-Tetrachlorophenol	26	U
92-87-5	Benzidine	26	U
95-50-1	1,2-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
541-73-1	1,3-Dichlorobenzene	26	U
62-75-9	N-Nitrosodimethylamine	26	U
95-63-6	1,2,4-Trimethylbenzene	26	U
108-67-8	1,3,5-Trimethylbenzene	26	U

1 Cannot be separated from Diphenylamine

8/22/08

SONO1.2 (6/2007) 32967

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0883

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	64	JN
02		Unknown-02	2.31	86	J
03		Unknown-03	2.58	63	J
04		Unknown-04	3.09	200	J
05		Unknown-05	4.20	62	J
06		Unknown-06	4.41	100	J
07		Unknown-07	4.91	180	J
08		Unknown-08	8.12	49	J
09		Unknown-09	8.60	70	J
10		Unknown-10	10.09	68	J
11	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.27	250	NJ
12		Unknown-11	10.58	83	JN
13	000301-02-0	9-Octadecenamide, (Z)-	18.07	52	NJ
14		Unknown-12	18.60	70	JN
15		Unknown-13	21.24	73	J
16		Unknown-14	21.31	91	J
17		Unknown-15	22.73	65	J
18		Unknown-16	24.53	86	J
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A	55	JN

[2] EPA-designated Registry Number.

30071.2 (6/2007)

8/22/08

32863

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K80

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0912.20

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0980

Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/16/2008

GPC Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	10	
91-57-6	2-Methylnaphthalene	2.8	
208-96-8	Acenaphthylene	1.3	U
83-32-9	Acenaphthene	1.3	U
86-73-7	Fluorene	1.3	U
87-86-5	Pentachlorophenol	2.6	U
85-01-8	Phenanthrene	2.2	
120-12-7	Anthracene	1.3	U
206-44-0	Fluoranthene	5.9	
129-00-0	Pyrene	7.4	
56-55-3	Benzo(a)anthracene	2.3	
218-01-9	Chrysene	3.8	
205-99-2	Benzo(b)fluoranthene	2.5	
207-08-9	Benzo(k)fluoranthene	2.4	
50-32-8	Benzo(a)pyrene	18	~~Z~~ I
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	
53-70-3	Dibenzo(a,h)anthracene	1.3	U
191-24-2	Benzo(g,h,i)perylene	2.3	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

02631

28588

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 2.500 (g/mL) G Lab File ID: B16433

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 19 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	6.1	BU
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	2.5	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	44	
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	2.5	U
123-91-1	1,4-Dioxane	250	U
79-01-6	Trichloroethene	2.5	U
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U

8/22/08

SOM01.2 (6/2007)

78508

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 2.500 (g/mL) G Lab File ID: B16433

Level: (TRACE/LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 19 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	2.5	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	1.8	J Q
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	12	U
87-61-6	1,2,3-Trichlorobenzene	12	U
87-68-3	Hexachlorobutadiene	2.5	U
67-72-1	Hexachloroethane	4.9	U
91-20-3	Naphthalene	78	
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U

8/22/08

SOM01.2 (6/2007)

584

58588

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 2.500 (g/mL) G Lab File ID: B16433

Level: (TRACE or LOW/MED) LOW Date Received: 05/17/2008

% Moisture: not dec. 19 Date Analyzed: 05/27/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.13	15	J~~B~~N
02		Unknown-02	17.30	19	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A	58	JN

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08 <8 C

Report All Except PAHs

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0884

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	25	U
108-95-2	Phenol	77	
111-44-4	Bis(2-chloroethyl)ether	25	U
95-57-8	2-Chlorophenol	25	U
95-48-7	2-Methylphenol	25	U
108-60-1	2,2'-Oxybis(1-chloropropane)	25	U
98-86-2	Acetophenone	25	U
106-44-5	4-Methylphenol	25	U
621-64-7	N-Nitroso-di-n-propylamine	25	U
67-72-1	Hexachloroethane	25	U
98-95-3	Nitrobenzene	25	U
78-59-1	Isophorone	25	U
88-75-5	2-Nitrophenol	25	U
105-67-9	2,4-Dimethylphenol	25	U
111-91-1	Bis(2-chloroethoxy)methane	25	U
120-83-2	2,4-Dichlorophenol	25	U
91-20-3	Naphthalene	280	~~U~~
106-47-8	4-Chloroaniline	25	U
87-68-3	Hexachlorobutadiene	25	U
105-60-2	Caprolactam	25	U
59-50-7	4-Chloro-3-methylphenol	25	U
91-57-6	2-Methylnaphthalene	79	
77-47-4	Hexachlorocyclopentadiene	62	UJ
88-06-2	2,4,6-Trichlorophenol	25	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	25	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	25	U
606-20-2	2,6-Dinitrotoluene	25	U
208-96-8	Acenaphthylene	25	U
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	49	
51-28-5	2,4-Dinitrophenol	120	UJ
100-02-7	4-Nitrophenol	49	U
132-64-9	Dibenzofuran	25	U
121-14-2	2,4-Dinitrotoluene	25	U

SOM01.2 (6/2007) 52189

8/22/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0884

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	25	U
86-73-7	Fluorene	23	J Q
7005-72-3	4-Chlorophenyl-phenylether	25	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
86-30-6	N-Nitrosodiphenylamine 1	25	U
95-94-3	1,2,4,5-Tetrachlorobenzene	25	U
101-55-3	4-Bromophenyl-phenylether	25	U
118-74-1	Hexachlorobenzene	25	U
1912-24-9	Atrazine	25	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	85	
120-12-7	Anthracene	17	J Q
86-74-8	Carbazole	19	J Q
84-74-2	Di-n-butylphthalate	25	U
206-44-0	Fluoranthene	36	
129-00-0	Pyrene	41	
85-68-7	Butylbenzylphthalate	25	U
91-94-1	3,3'-Dichlorobenzidine	25	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	
117-84-0	Di-n-octylphthalate	25	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U
58-90-2	2,3,4,6-Tetrachlorophenol	25	U
92-87-5	Benzidine	25	U
95-50-1	1,2-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
62-75-9	N-Nitrosodimethylamine	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
108-67-8	1,3,5-Trimethylbenzene	25	U

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007) EZ101

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 100.1 (g/mL) G Lab File ID: G0884

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/13/2008

GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	44	~~J~~N
02		Unknown-02	2.31	75	J
03		Unknown-03	2.58	53	J
04		Unknown-04	3.09	160	J
05		Unknown-05	4.16	83	J
06		Unknown-06	4.41	79	J
07		Unknown-07	4.91	130	J
08		Unknown-08	8.12	93	J
09	1000157-89-9	p-menth-1-en-8-ol	8.60	86	NJ
10	000271-17-0	Cyclopenta[b]thiapyran	8.68	37	NJ
11		Unknown-09	10.09	74	JN
12	002451-01-6	Terpin Hydrate	10.27	300	NJ
13	000091-57-6	Naphthalene, 2-methyl-	10.41	81	NJ
14		Unknown-10	10.58	84	JN
15	000095-13-6	Indene	12.91	63	NJ
16		Unknown-11	15.31	38	J
17	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~17.34~~	~~78~~	~~NJ~~
18		Unknown-12	21.02	71	J
19	~~000556-71-8~~	~~Cyclononasiloxane, octadecame~~	~~24.33~~	~~38~~	~~NJ~~
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E9667962	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOMO1.2 (6/2007)

8/22/08

32202

Report All PAH's

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K81

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0913.01

Sample wt/vol: 100.0 (g/mL) G Lab File ID: G0962

Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/17/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/25/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.2	U
91-57-6	2-Methylnaphthalene	1.2	U
208-96-8	Acenaphthylene	1.2	U
83-32-9	Acenaphthene	1.2	U
86-73-7	Fluorene	1.2	U
87-86-5	Pentachlorophenol	2.5	U
85-01-8	Phenanthrene	1.2	U
120-12-7	Anthracene	1.2	U
206-44-0	Fluoranthene	1.2	U
129-00-0	Pyrene	1.2	U
56-55-3	Benzo(a)anthracene	1.2	U
218-01-9	Chrysene	1.2	U
205-99-2	Benzo(b)fluoranthene	1.2	U
207-08-9	Benzo(k)fluoranthene	1.2	U
50-32-8	Benzo(a)pyrene	1.2	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	U
53-70-3	Dibenzo(a,h)anthracene	1.2	U
191-24-2	Benzo(g,h,i)perylene	1.2	U

[1] Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 5.900 (g/mL) G Lab File ID: B16460

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 12 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.96	U
74-87-3	Chloromethane	0.96	U
75-01-4	Vinyl chloride	0.96	U
74-83-9	Bromomethane	0.96	U
75-00-3	Chloroethane	0.96	U
75-69-4	Trichlorofluoromethane	0.96	U
75-35-4	1,1-Dichloroethene	0.96	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.96	U
67-64-1	Acetone	14	
75-15-0	Carbon disulfide	0.96	U
79-20-9	Methyl acetate	0.96	U
75-09-2	Methylene chloride	2.5	~~B~~U
156-60-5	trans-1,2-Dichloroethene	0.96	U
1634-04-4	Methyl tert-butyl ether	0.96	U
75-34-3	1,1-Dichloroethane	0.96	U
156-59-2	cis-1,2-Dichloroethene	0.96	U
78-93-3	2-Butanone	4.8	U
74-97-5	Bromochloromethane	0.96	U
67-66-3	Chloroform	0.96	U
71-55-6	1,1,1-Trichloroethane	0.96	U
110-82-7	Cyclohexane	0.96	U
56-23-5	Carbon tetrachloride	0.96	U
71-43-2	Benzene	0.96	U
107-06-2	1,2-Dichloroethane	0.96	U
123-91-1	1,4-Dioxane	96	U
79-01-6	Trichloroethene	0.96	U
108-87-2	Methylcyclohexane	0.96	U
78-87-5	1,2-Dichloropropane	0.96	U
75-27-4	Bromodichloromethane	0.96	U
10061-01-5	cis-1,3-Dichloropropene	0.96	U
108-10-1	4-Methyl-2-pentanone	4.8	U
108-88-3	Toluene	0.96	U
10061-02-6	trans-1,3-Dichloropropene	0.96	U
79-00-5	1,1,2-Trichloroethane	0.96	U

8/22/08

SOM01.2 (6/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 5.900 (g/mL) G Lab File ID: B16460

Level: (TRACE/LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 12 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

Purge Volume: 10.0 (mL)

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	0.96	U
591-78-6	2-Hexanone	4.8	U
124-48-1	Dibromochloromethane	0.96	U
106-93-4	1,2-Dibromoethane	0.96	U
108-90-7	Chlorobenzene	0.96	U
100-41-4	Ethylbenzene	0.96	U
95-47-6	o-Xylene	0.96	U
179601-23-1	m,p-Xylene	0.96	U
100-42-5	Styrene	0.96	U
75-25-2	Bromoform	0.96	U
98-82-8	Isopropylbenzene	0.96	U
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U
541-73-1	1,3-Dichlorobenzene	0.96	U
106-46-7	1,4-Dichlorobenzene	0.96	U
95-50-1	1,2-Dichlorobenzene	0.96	U
96-12-8	1,2-Dibromo-3-chloropropane	0.96	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U
87-68-3	Hexachlorobutadiene	0.96	U
67-72-1	Hexachloroethane	1.9	U
91-20-3	Naphthalene	0.96	U
630-20-6	1,1,1,2-Tetrachloroethane	0.96	U
96-18-4	1,2,3-Trichloropropane	0.96	U

8/22/08

SOM01.2 (6/2007)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 5.900 (g/mL) G Lab File ID: B16460

Level: (TRACE or LOW/MED) LOW Date Received: 05/21/2008

% Moisture: not dec. 12 Date Analyzed: 05/28/2008

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.11	4.3	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SOM01.2 (6/2007)

8/22/08

Report All (incl. Pyrene) but PAHs

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0843

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	23	U
108-95-2	Phenol	23	U
111-44-4	Bis(2-chloroethyl)ether	23	U
95-57-8	2-Chlorophenol	23	U
95-48-7	2-Methylphenol	23	U
108-60-1	2,2'-Oxybis(1-chloropropane)	23	U
98-86-2	Acetophenone	23	U
106-44-5	4-Methylphenol	23	U
621-64-7	N-Nitroso-di-n-propylamine	23	U
67-72-1	Hexachloroethane	23	U
98-95-3	Nitrobenzene	23	U
78-59-1	Isophorone	23	U
88-75-5	2-Nitrophenol	23	U
105-67-9	2,4-Dimethylphenol	23	U
111-91-1	Bis(2-chloroethoxy)methane	23	U
120-83-2	2,4-Dichlorophenol	23	U
91-20-3	Naphthalene	23	U
106-47-8	4-Chloroaniline	23	U
87-68-3	Hexachlorobutadiene	23	U
105-60-2	Caprolactam	27	
59-50-7	4-Chloro-3-methylphenol	23	U
91-57-6	2-Methylnaphthalene	23	U
77-47-4	Hexachlorocyclopentadiene	57	UJ
88-06-2	2,4,6-Trichlorophenol	23	U
95-95-4	2,4,5-Trichlorophenol	23	U
92-52-4	1,1'-Biphenyl	23	U
91-58-7	2-Chloronaphthalene	23	U
88-74-4	2-Nitroaniline	45	U
131-11-3	Dimethylphthalate	23	U
606-20-2	2,6-Dinitrotoluene	23	U
208-96-8	Acenaphthylene	23	U
99-09-2	3-Nitroaniline	45	U
83-32-9	Acenaphthene	23	U
51-28-5	2,4-Dinitrophenol	110	UJ
100-02-7	4-Nitrophenol	45	U
132-64-9	Dibenzofuran	23	U
121-14-2	2,4-Dinitrotoluene	23	U

8/22/08

SOM01.2 (6/2007)

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0843

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	23	U
86-73-7	Fluorene	23	U
7005-72-3	4-Chlorophenyl-phenylether	23	U
100-01-6	4-Nitroaniline	45	U
534-52-1	4,6-Dinitro-2-methylphenol	45	U
86-30-6	N-Nitrosodiphenylamine 1	23	U
95-94-3	1,2,4,5-Tetrachlorobenzene	23	U
101-55-3	4-Bromophenyl-phenylether	23	U
118-74-1	Hexachlorobenzene	23	U
1912-24-9	Atrazine	23	U
87-86-5	Pentachlorophenol	23	U J
85-01-8	Phenanthrene	79	
120-12-7	Anthracene	14	J Q
86-74-8	Carbazole	23	U
84-74-2	Di-n-butylphthalate	23	U
206-44-0	Fluoranthene	110	
129-00-0	Pyrene	140	
85-68-7	Butylbenzylphthalate	15	J Q
91-94-1	3,3'-Dichlorobenzidine	23	U
56-55-3	Benzo(a)anthracene	35	
218-01-9	Chrysene	36	
117-81-7	Bis(2-ethylhexyl)phthalate	170	
117-84-0	Di-n-octylphthalate	23	U
205-99-2	Benzo(b)fluoranthene	29	
207-08-9	Benzo(k)fluoranthene	27	
50-32-8	Benzo(a)pyrene	34	
193-39-5	Indeno(1,2,3-cd)pyrene	24	
53-70-3	Dibenzo(a,h)anthracene	23	U
191-24-2	Benzo(g,h,i)perylene	31	
58-90-2	2,3,4,6-Tetrachlorophenol	23	U
92-87-5	Benzidine	23	U
95-50-1	1,2-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
62-75-9	N-Nitrosodimethylamine	23	U
95-63-6	1,2,4-Trimethylbenzene	23	U
108-67-8	1,3,5-Trimethylbenzene	23	U

1 Cannot be separated from Diphenylamine

Report

8/22/08

SOM01.2 (6/2007)

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0843

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.27	64	J~~B~~N
02		Unknown-02	3.09	190	J
03		Unknown-03	4.41	54	J
04		Unknown-04	4.91	63	J
05		Unknown-05	8.60	51	J
06		Unknown-06	10.08	64	J
07	000080-53-5	Cyclohexanemethanol, 4-hydrox	10.27	180	NJ
08		Unknown-07	10.58	64	JN
09		Unknown-08	18.63	48	J
10		Unknown-09	21.38	61	J
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SCM01.3 (6/2007)

8/22/08

Report All except Pyrene

1F - FORM I SV-SIM
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
J8K91

Lab Name: KAP TECHNOLOGIES, INC. Contract: EPW05032

Lab Code: KAP Case No.: 37435 Mod. Ref No.: 1568.0 SDG No.: J8K63

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: S-0919.01

Sample wt/vol: 100.3 (g/mL) G Lab File ID: G0955

Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/21/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 06/15/2008

GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	1.1	U
91-57-6	2-Methylnaphthalene	1.1	U
208-96-8	Acenaphthylene	1.1	U
83-32-9	Acenaphthene	1.1	U
86-73-7	Fluorene	1.1	U
87-86-5	Pentachlorophenol	2.3	U
85-01-8	Phenanthrene	8.1	
120-12-7	Anthracene	1.4	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	13	E → Report from J8K91
56-55-3	Benzo(a)anthracene	3.9	
218-01-9	Chrysene	6.4	
205-99-2	Benzo(b)fluoranthene	1.9	
207-08-9	Benzo(k)fluoranthene	2.4	
50-32-8	Benzo(a)pyrene	3.1	
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	
53-70-3	Dibenzo(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.8	

1 Cannot be separated from Diphenylamine

8/22/08

SOM01.2 (6/2007)