



## RECORD OF COMMUNICATION

TO: Cris D'Onofrio

FROM: Adly Michael / Robert Toth

SUBJECT: QUALITY ASSURED DATA

Alfred Heller Heat Treating Co. site, CLP Case # 39334, SDG#  
B7LT9,,B7LX5,B7LY0, 31 soil, 1 water samples were analyzed for  
VOA,SVOA,ARO

REPLY BY: 4/23/10

PLEASE SIGN BELOW IN ACKNOWLEDGEMENT OF RECEIPT OF THE FOLLOWING VALIDATED  
DATA AND RETURN A COPY OF THIS RECORD OF COMMUNICATION TO THE RSCC-REGION II, BY  
INTER-OFFICE MAIL AT EDISON MS-215, OR FAX AT 732-321-6622

COMMENTS:

SIGNATURE: 

DATE: 4/19/2010

DATE RECEIVED BY EPA-RSCC: \_\_\_\_\_

**RECORD OF COMMUNICATION**  
REGIONAL SAMPLE CONTROL CENTER  
ROC #1

DATE: 1/21/2010  
SUBJECT: CLP Data Package for Quality Assurance Review  
FROM: Hazardous Waste Support Section (HWSS)/RSCC  
TO: HWSS ESAT-TOPO

**TDF# 10-0288**

*Attached is the following ORGANIC Data Package to be reviewed for Quality Assurance*

SITE: Alfred Heller Heat Treating Co. CASE #: 39334

SDG#: B7LT9, B7LX5, B7LY0 SAMPLER: W-RST

PROJ. CODE: RV SITE SPILL #: A213 #SAMPLES MATRIX

LAB: A4 OPERABLE UNIT: 00 31 Soil

TURN-AROUND-TIME: 21 Day 1 Water

CERCLIS ID #: NJD002142412 FRACTION: VOA, SVOA, ARO

Contaminant(s) of Concern (If known)

**REGION II RSCC DATA TRANSFER LOG**

Relinquished By

Received By

Signature

Date/Time

Signature

Date/Time

Robert [Signature] 2/1/10 2<sup>29</sup> PM

e. Stamm 2/1/10 2<sup>20</sup> pm

C. Stanca 2/15/10

Dorinda [Signature] 2/15/10

Dorinda [Signature] 2/18/10

R. [Signature] 2/18/10

[Signature] 2/19/10

[Signature] 2/19/10 2<sup>05</sup> PM

[Signature] 2/19/10 2<sup>15</sup> PM

Angela Branch 2/19/10 2<sup>15</sup> PM

Angela Branch 2/19/10

[Signature] 2/19/10 3<sup>25</sup> PM

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02  
Sample wt/vol: 5.10 (g/mL) g Lab File ID: C1466.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/16/2009  
% Moisture: not dec. 16.3 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U J
75-35-4	1,1-Dichloroethene	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U J
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.9	U
79-20-9	Methyl acetate	5.9	U J
75-09-2	Methylene chloride	5.9	U J
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U J
75-34-3	1,1-Dichloroethane	5.9	U
156-59-2	cis-1,2-Dichloroethene	6.2	
78-93-3	2-Butanone	4.2	J
74-97-5	Bromochloromethane	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U J
110-82-7	Cyclohexane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U J
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U J
123-91-1	1,4-Dioxane	120	J R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-02

Sample wt/vol: 5.10 (g/mL) g

Lab File ID: C1466.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 16.3

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	8.5	
108-87-2	Methylcyclohexane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.9	U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U 5
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
95-47-6	o-Xylene	5.9	U
179601-23-1	m,p-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U 5

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02

Sample wt/vol: 5.10 (g/mL) g Lab File ID: C1466.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 16.3 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-03

Sample wt/vol: 5.54 (g/mL) g

Lab File ID: C1468.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 11.8

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U J
75-35-4	1,1-Dichloroethene	5.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.1	U
79-20-9	Methyl acetate	5.1	U J
75-09-2	Methylene chloride	5.1	U J
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U J
75-34-3	1,1-Dichloroethane	5.1	U
156-59-2	cis-1,2-Dichloroethene	5.1	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U J
110-82-7	Cyclohexane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U J
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U J
123-91-1	1,4-Dioxane	100	PR

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-03

Sample wt/vol: 5.54 (g/mL) g

Lab File ID: C1468.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 11.8

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	5.1	U
108-87-2	Methylcyclohexane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.1	U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U 5
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
95-47-6	o-Xylene	5.1	U
179601-23-1	m,p-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	U 5

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

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-03

Sample wt/vol: 5.54 (g/mL) g Lab File ID: C1468.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 11.8 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-04

Sample wt/vol: 5.98 (g/mL) g

Lab File ID: C1471.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 16.3

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U J
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U J
75-09-2	Methylene chloride	5.0	U J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	J
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U J
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U J
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U J
123-91-1	1,4-Dioxane	100	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04  
Sample wt/vol: 5.98 (g/mL) g Lab File ID: C1471.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/16/2009  
% Moisture: not dec. 16.3 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	2.2	J
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U <b>5</b>
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04

Sample wt/vol: 5.98 (g/mL) g Lab File ID: C1471.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 16.3 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

0000000002

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05  
Sample wt/vol: 6.00 (g/mL) g Lab File ID: C1472.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/16/2009  
% Moisture: not dec. 17.0 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U J
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U J
75-09-2	Methylene chloride	5.0	U J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U J
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U J
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U J
123-91-1	1,4-Dioxane	100	U J

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-05

Sample wt/vol: 6.00 (g/mL) g

Lab File ID: C1472.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 17.0

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U J
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

0000000003

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC.

Contract: EFW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05

Sample wt/vol: 6.00 (g/mL) g Lab File ID: C1472.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 17.0 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-06

Sample wt/vol: 5.97 (g/mL) g

Lab File ID: C1473.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 34.1

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	150	
75-15-0	Carbon disulfide	6.4	U
79-20-9	Methyl acetate	6.4	U
75-09-2	Methylene chloride	6.4	U
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	9.2	J
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	6.4	U
107-06-2	1,2-Dichloroethane	6.4	U
123-91-1	1,4-Dioxane	130	PR

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000074

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06  
Sample wt/vol: 5.97 (g/mL) g Lab File ID: C1473.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/16/2009  
% Moisture: not dec. 34.1 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	6.4	U
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	13	U
108-88-3	Toluene	6.4	U
10061-02-6	trans-1,3-Dichloropropene	6.4	U
79-00-5	1,1,2-Trichloroethane	6.4	U
127-18-4	Tetrachloroethene	6.4	U
591-78-6	2-Hexanone	13	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	6.4	U
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	6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	U

000000075

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06

Sample wt/vol: 5.97 (g/mL) g Lab File ID: C1473.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 34.1 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000070

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

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011419-07

Sample wt/vol: 5.79 (g/mL) g

Lab File ID: C1474.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/16/2009

% Moisture: not dec. 11.7

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	4.9	U
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	4.9	U
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U J
75-35-4	1,1-Dichloroethene	4.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U J
67-64-1	Acetone	9.8	U
75-15-0	Carbon disulfide	4.9	U
79-20-9	Methyl acetate	4.9	U J
75-09-2	Methylene chloride	4.9	U J
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	U J
75-34-3	1,1-Dichloroethane	4.9	U
156-59-2	cis-1,2-Dichloroethene	4.9	U
78-93-3	2-Butanone	9.8	U
74-97-5	Bromochloromethane	4.9	U
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U J
110-82-7	Cyclohexane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U J
71-43-2	Benzene	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U J
123-91-1	1,4-Dioxane	98	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-07  
Sample wt/vol: 5.79 (g/mL) g Lab File ID: C1474.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/16/2009  
% Moisture: not dec. 11.7 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	1.8	J
108-87-2	Methylcyclohexane	4.9	U
78-87-5	1,2-Dichloropropane	4.9	U
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U
108-10-1	4-Methyl-2-pentanone	9.8	U
108-88-3	Toluene	4.9	U
10061-02-6	trans-1,3-Dichloropropene	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	U
127-18-4	Tetrachloroethene	4.9	U
591-78-6	2-Hexanone	9.8	U
124-48-1	Dibromochloromethane	4.9	U
106-93-4	1,2-Dibromoethane	4.9	U 5
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
95-47-6	o-Xylene	4.9	U
179601-23-1	m,p-Xylene	4.9	U
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
96-12-8	1,2-Dibromo-3-chloropropane	4.9	U
120-82-1	1,2,4-Trichlorobenzene	4.9	U
87-61-6	1,2,3-Trichlorobenzene	4.9	U

000000007

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

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-07

Sample wt/vol: 5.79 (g/mL) g Lab File ID: C1474.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/16/2009

% Moisture: not dec. 11.7 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

0000000000

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-01

Sample wt/vol: 5.50 (g/mL) g

Lab File ID: C1475.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 18.1

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U J
75-35-4	1,1-Dichloroethene	5.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U J
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.6	U
79-20-9	Methyl acetate	5.6	U J
75-09-2	Methylene chloride	5.6	U J
156-60-5	trans-1,2-Dichloroethene	5.6	U
1634-04-4	Methyl tert-butyl ether	5.6	U J
75-34-3	1,1-Dichloroethane	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U J
110-82-7	Cyclohexane	5.6	U
56-23-5	Carbon tetrachloride	5.6	U J
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U J
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000000

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-01

Sample wt/vol: 5.50 (g/mL) g

Lab File ID: C1475.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 18.1

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	4.4	J
108-87-2	Methylcyclohexane	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.6	U
10061-02-6	trans-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
95-47-6	o-Xylene	5.6	U
179601-23-1	m,p-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
87-61-6	1,2,3-Trichlorobenzene	5.6	U

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-01

Sample wt/vol: 5.50 (g/mL) g Lab File ID: C1475.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 18.1 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-02  
Sample wt/vol: 5.78 (g/mL) g Lab File ID: C1476.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 18.5 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U <u>9</u>
75-35-4	1,1-Dichloroethene	5.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U <u>9</u>
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.3	U
79-20-9	Methyl acetate	5.3	U <u>5</u>
75-09-2	Methylene chloride	<del>5.3</del> <u>5.3</u>	U <u>5</u>
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl tert-butyl ether	5.3	U <u>5</u>
75-34-3	1,1-Dichloroethane	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U <u>5</u>
110-82-7	Cyclohexane	5.3	U
56-23-5	Carbon tetrachloride	5.3	U <u>5</u>
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U <u>5</u>
123-91-1	1,4-Dioxane	110	<u>12</u>

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000110

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

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-02

Sample wt/vol: 5.78 (g/mL) g

Lab File ID: C1476.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 18.5

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	3.3	J
108-87-2	Methylcyclohexane	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U 5
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
95-47-6	o-Xylene	5.3	U
179601-23-1	m,p-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	U

000000111

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

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-02

Sample wt/vol: 5.78 (g/mL) g Lab File ID: C1476.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 18.5 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000112

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03  
Sample wt/vol: 5.80 (g/mL) g Lab File ID: C1506.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 10.0 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	4.8	U
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U
67-64-1	Acetone	11	U5
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U
75-09-2	Methylene chloride	4.8	U
156-60-5	trans-1,2-Dichloroethene	1.0	J
1634-04-4	Methyl tert-butyl ether	4.8	U
75-34-3	1,1-Dichloroethane	4.8	U
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	9.6	U
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U
71-43-2	Benzene	4.8	U
107-06-2	1,2-Dichloroethane	4.8	U
123-91-1	1,4-Dioxane	96	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000123

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03

Sample wt/vol: 5.80 (g/mL) g Lab File ID: C1506.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 10.0 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	25	
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-pentanone	9.6	U
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	4.8	U
591-78-6	2-Hexanone	9.6	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	0.95	J
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

000000123

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03

Sample wt/vol: 5.80 (g/mL) g Lab File ID: C1506.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 10.0 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	017059-48-2	1H-Indene, 2,3-dihydro-1,6-	15.08	48	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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000124

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-04

Sample wt/vol: 5.72 (g/mL) g

Lab File ID: C1478.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 14.1

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	8.0	
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U J
75-35-4	1,1-Dichloroethene	5.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U J
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	5.1	U
79-20-9	Methyl acetate	5.1	U J
75-09-2	Methylene chloride	5.1	U J
156-60-5	trans-1,2-Dichloroethene	2.4	J
1634-04-4	Methyl tert-butyl ether	5.1	U J
75-34-3	1,1-Dichloroethane	5.1	U
156-59-2	cis-1,2-Dichloroethene	85	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U J
110-82-7	Cyclohexane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U J
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U J
123-91-1	1,4-Dioxane	100	U J

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000137

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-04

Sample wt/vol: 5.72 (g/mL) g

Lab File ID: C1478.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 14.1

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	3.1	J
108-87-2	Methylcyclohexane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.1	U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
95-47-6	o-Xylene	5.1	U
179601-23-1	m,p-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	U

000000130

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-04

Sample wt/vol: 5.72 (g/mL) g Lab File ID: C1478.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 14.1 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	13.17	6.3	J
02		Unknown-02	17.83	130	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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000123

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05

Sample wt/vol: 6.12 (g/mL) g Lab File ID: C1481.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 14.3 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	4.8	U
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U <b>J</b>
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U <b>J</b>
67-64-1	Acetone	9.5	U
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U <b>J</b>
75-09-2	Methylene chloride	4.8	U <b>J</b>
156-60-5	trans-1,2-Dichloroethene	4.8	U
1634-04-4	Methyl tert-butyl ether	4.8	U <b>J</b>
75-34-3	1,1-Dichloroethane	4.8	U
156-59-2	cis-1,2-Dichloroethene	4.8	U
78-93-3	2-Butanone	9.5	U
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U <b>J</b>
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U <b>J</b>
71-43-2	Benzene	4.8	U
107-06-2	1,2-Dichloroethane	4.8	U <b>J</b>
123-91-1	1,4-Dioxane	95	<b>PR</b>

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000103

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-05

Sample wt/vol: 6.12 (g/mL) g

Lab File ID: C1481.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 14.3

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	23	
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-pentanone	9.5	U
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	4.0	J
591-78-6	2-Hexanone	9.5	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

00000010

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05

Sample wt/vol: 6.12 (g/mL) g Lab File ID: C1481.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 14.3 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000105

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-06

Sample wt/vol: 6.21 (g/mL) g

Lab File ID: C1482.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 12.5

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	4.6	U
74-87-3	Chloromethane	4.6	U
75-01-4	Vinyl chloride	4.6	U
74-83-9	Bromomethane	4.6	U
75-00-3	Chloroethane	4.6	U
75-69-4	Trichlorofluoromethane	4.6	U J
75-35-4	1,1-Dichloroethene	4.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U J
67-64-1	Acetone	9.2	U
75-15-0	Carbon disulfide	4.6	U
79-20-9	Methyl acetate	4.6	U J
75-09-2	Methylene chloride	4.6	U J
156-60-5	trans-1,2-Dichloroethene	4.6	U
1634-04-4	Methyl tert-butyl ether	4.6	U J
75-34-3	1,1-Dichloroethane	4.6	U
156-59-2	cis-1,2-Dichloroethene	4.6	U
78-93-3	2-Butanone	9.2	U
74-97-5	Bromochloromethane	4.6	U
67-66-3	Chloroform	4.6	U
71-55-6	1,1,1-Trichloroethane	4.6	U J
110-82-7	Cyclohexane	4.6	U
56-23-5	Carbon tetrachloride	4.6	U J
71-43-2	Benzene	4.6	U
107-06-2	1,2-Dichloroethane	4.6	U J
123-91-1	1,4-Dioxane	92	U J

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000107

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06  
Sample wt/vol: 6.21 (g/mL) g Lab File ID: C1482.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 12.5 Date Analyzed: 12/18/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	24	
108-87-2	Methylcyclohexane	4.6	U
78-87-5	1,2-Dichloropropane	4.6	U
75-27-4	Bromodichloromethane	4.6	U
10061-01-5	cis-1,3-Dichloropropene	4.6	U
108-10-1	4-Methyl-2-pentanone	9.2	U
108-88-3	Toluene	4.6	U
10061-02-6	trans-1,3-Dichloropropene	4.6	U
79-00-5	1,1,2-Trichloroethane	4.6	U
127-18-4	Tetrachloroethene	3.6	J
591-78-6	2-Hexanone	9.2	U
124-48-1	Dibromochloromethane	4.6	U
106-93-4	1,2-Dibromoethane	4.6	U <sup>5</sup>
108-90-7	Chlorobenzene	4.6	U
100-41-4	Ethylbenzene	4.6	U
95-47-6	o-Xylene	4.6	U
179601-23-1	m,p-Xylene	4.6	U
100-42-5	Styrene	4.6	U
75-25-2	Bromoform	4.6	U
98-82-8	Isopropylbenzene	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	4.6	U
541-73-1	1,3-Dichlorobenzene	4.6	U
106-46-7	1,4-Dichlorobenzene	4.6	U
95-50-1	1,2-Dichlorobenzene	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	4.6	U
120-82-1	1,2,4-Trichlorobenzene	4.6	U
87-61-6	1,2,3-Trichlorobenzene	4.6	U

000000100

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06

Sample wt/vol: 6.21 (g/mL) g Lab File ID: C1482.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 12.5 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000167

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-07

Sample wt/vol: 5.99 (g/mL) g

Lab File ID: C1483.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 12.7

Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	7.8	
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U <i>J</i>
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U <i>J</i>
67-64-1	Acetone	9.6	U
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U <i>S</i>
75-09-2	Methylene chloride	4.8	U <i>J</i>
156-60-5	trans-1,2-Dichloroethene	4.8	U
1634-04-4	Methyl tert-butyl ether	4.8	U <i>J</i>
75-34-3	1,1-Dichloroethane	4.8	U
156-59-2	cis-1,2-Dichloroethene	30	
78-93-3	2-Butanone	9.6	U
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U <i>J</i>
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U <i>J</i>
71-43-2	Benzene	4.8	U <i>J</i>
107-06-2	1,2-Dichloroethane	4.8	U <i>J</i>
123-91-1	1,4-Dioxane	96	<i>1/R</i>

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000177

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07

Sample wt/vol: 5.99 (g/mL) g Lab File ID: C1483.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 12.7 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	4.6	J
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-pentanone	9.6	U
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	4.8	U
591-78-6	2-Hexanone	9.6	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U <sup>5</sup>
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

000000170

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07

Sample wt/vol: 5.99 (g/mL) g Lab File ID: C1483.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 12.7 Date Analyzed: 12/18/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000170

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08  
Sample wt/vol: 5.74 (g/mL) g Lab File ID: C1484.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. - 13.3 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U J
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U J
67-64-1	Acetone	12	U J
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U J
75-09-2	Methylene chloride	<del>2</del> 5.0	U J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U J
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U J
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U J
123-91-1	1,4-Dioxane	100	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000100

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-08

Sample wt/vol: 5.74 (g/mL) g

Lab File ID: C1484.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 13.3

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

000000131

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08

Sample wt/vol: 5.74 (g/mL) g Lab File ID: C1484.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 13.3 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	12.89	6.6	J
02	Unknown-02	17.17	7.9	J
03	Unknown-03	18.01	8.2	J
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000102

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09  
Sample wt/vol: 5.77 (g/mL) g Lab File ID: C1507.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 16.1 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U
67-64-1	Acetone	32	
75-15-0	Carbon disulfide	5.2	U
79-20-9	Methyl acetate	5.2	U
75-09-2	Methylene chloride	<del>1.7</del> 5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	1.5	J
78-93-3	2-Butanone	9.8	J
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
71-43-2	Benzene	1.4	J
107-06-2	1,2-Dichloroethane	5.2	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000000

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09

Sample wt/vol: 5.77 (g/mL) g Lab File ID: C1507.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 16.1 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	1.3	J
108-87-2	Methylcyclohexane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	2.9	J
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	2.7	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
95-47-6	o-Xylene	5.2	U
179601-23-1	m,p-Xylene	1.3	J
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

888888288

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09

Sample wt/vol: 5.77 (g/mL) g Lab File ID: C1507.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 16.1 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	11.38	32	J
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

888888287

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-10

Sample wt/vol: 5.83 (g/mL) g

Lab File ID: C1508.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 10.6

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	4.0	J
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U
67-64-1	Acetone	67	J
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U
75-09-2	Methylene chloride	27 4.8	U
156-60-5	trans-1,2-Dichloroethene	1.4	J
1634-04-4	Methyl tert-butyl ether	4.8	U
75-34-3	1,1-Dichloroethane	2.0	J
156-59-2	cis-1,2-Dichloroethene	22	
78-93-3	2-Butanone	20	J
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U
71-43-2	Benzene	1.8	J
107-06-2	1,2-Dichloroethane	4.8	U
123-91-1	1,4-Dioxane	96	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-10

Sample wt/vol: 5.83 (g/mL) g

Lab File ID: C1508.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 10.6

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	6.0	
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-pentanone	3.2	15
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	3.6	J
591-78-6	2-Hexanone	9.6	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-10

Sample wt/vol: 5.83 (g/mL) g Lab File ID: C1508.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 10.6 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	12.29	7.9	J
02		Unknown-02	13.12	6.3	J
03		Unknown-03	16.49	11	J
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-11

Sample wt/vol: 5.85 (g/mL) g

Lab File ID: C1487.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 13.2

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	4.9	U
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	4.9	U
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U J
75-35-4	1,1-Dichloroethene	4.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U J
67-64-1	Acetone	9.8	U
75-15-0	Carbon disulfide	4.9	U
79-20-9	Methyl acetate	4.9	U J
75-09-2	Methylene chloride	4.9	U J
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	U J
75-34-3	1,1-Dichloroethane	4.9	U
156-59-2	cis-1,2-Dichloroethene	4.9	U
78-93-3	2-Butanone	9.8	U
74-97-5	Bromochloromethane	4.9	U
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U J
110-82-7	Cyclohexane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U J
71-43-2	Benzene	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U J
123-91-1	1,4-Dioxane	98	U J

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000242

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11

Sample wt/vol: 5.85 (g/mL) g Lab File ID: C1487.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 13.2 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	4.9	U
108-87-2	Methylcyclohexane	4.9	U
78-87-5	1,2-Dichloropropane	4.9	U
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U <b>J</b>
108-10-1	4-Methyl-2-pentanone	9.8	U
108-88-3	Toluene	4.9	U
10061-02-6	trans-1,3-Dichloropropene	4.9	U <b>J</b>
79-00-5	1,1,2-Trichloroethane	4.9	U <b>J</b>
127-18-4	Tetrachloroethene	2.5	J
591-78-6	2-Hexanone	9.8	U
124-48-1	Dibromochloromethane	4.9	U
106-93-4	1,2-Dibromoethane	4.9	U <b>J</b>
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
95-47-6	o-Xylene	4.9	U
179601-23-1	m,p-Xylene	2.1	J
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
96-12-8	1,2-Dibromo-3-chloropropane	4.9	U
120-82-1	1,2,4-Trichlorobenzene	4.9	U
87-61-6	1,2,3-Trichlorobenzene	4.9	U

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11  
Sample wt/vol: 5.85 (g/mL) g Lab File ID: C1487.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 13.2 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

0000000000

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 5.89 (g/mL) g Lab File ID: C1488.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 18.7 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U
67-64-1	Acetone	110	
75-15-0	Carbon disulfide	5.2	U
79-20-9	Methyl acetate	5.2	U
75-09-2	Methylene chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	2.8	J
78-93-3	2-Butanone	21	
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
123-91-1	1,4-Dioxane	100	PR

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000204

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 5.89 (g/mL) g Lab File ID: C1488.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 18.7 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	3.7	J
108-87-2	Methylcyclohexane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	4.9	J
95-47-6	o-Xylene	7.1	
179601-23-1	m,p-Xylene	15	
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 5.89 (g/mL) g Lab File ID: C1488.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 18.7 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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	4.84	5.6	J
02	000107-39-1	1-Pentene, 2,4,4-trimethyl-	6.67	52	JN
03		Unknown-02	9.88	11	J
04		Unknown-03	9.94	7.5	J
05		Unknown-04	10.03	9.0	J
06		Unknown-05	10.16	7.9	J
07		Unknown-06	10.88	12000	J
08		Unknown-07	16.71	5.6	J
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A	62	J

<sup>1</sup>EPA-designated Registry Number.

000000250

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

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13  
Sample wt/vol: 5.92 (g/mL) g Lab File ID: C1509.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 19.1 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.2	U
79-20-9	Methyl acetate	5.2	U
75-09-2	Methylene chloride	<del>2.8</del> 5.2	<del>U</del> U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	<del>11</del> 5.2	<del>U</del> U
71-55-6	1,1,1-Trichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000270

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

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13  
Sample wt/vol: 5.92 (g/mL) g Lab File ID: C1509.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 19.1 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	3.1	J
108-87-2	Methylcyclohexane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	3.3	J
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	3.6	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	1.2	J
95-47-6	o-Xylene	5.2	U
179601-23-1	m,p-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

000000200

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

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13  
Sample wt/vol: 5.92 (g/mL) g Lab File ID: C1509.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 19.1 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

0000000201

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

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-14

Sample wt/vol: 5.13 (g/mL) g

Lab File ID: C1490.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec. 9.8

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U
75-09-2	Methylene chloride	1.4 5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
123-91-1	1,4-Dioxane	110	SR

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000234

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

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-14  
Sample wt/vol: 5.13 (g/mL) g Lab File ID: C1490.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/17/2009  
% Moisture: not dec. 9.8 Date Analyzed: 12/19/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	13	
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.4	U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
95-47-6	o-Xylene	5.4	U
179601-23-1	m,p-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

888888235

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

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-14

Sample wt/vol: 5.13 (g/mL) g Lab File ID: C1490.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. 9.8 Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

000000230

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: D3289.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	Bis(2-chloroethyl) ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	Bis(2-chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	2000	U
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	2000	U
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	2000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	3900	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	2000	U
99-09-2	3-Nitroaniline	3900	U
83-32-9	Acenaphthene	2000	U

0000000074

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: D3289.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	3900	U
100-02-7	4-Nitrophenol	3900	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	3900	U
534-52-1	4,6-Dinitro-2-methylphenol	3900	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	2000	U
120-12-7	Anthracene	2000	U
86-74-8	Carbazole	2000	U
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	2000	U
129-00-0	Pyrene	2000	U
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo (a) anthracene	2000	U
218-01-9	Chrysene	2000	U
117-81-7	Bis(2-ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo (b) fluoranthene	2000	U
207-08-9	Benzo (k) fluoranthene	2000	U
50-32-8	Benzo (a) pyrene	2000	U
193-39-5	Indeno (1,2,3-cd) pyrene	2000	U
53-70-3	Dibenzo (a,h) anthracene	2000	U
191-24-2	Benzo (g,h,i) perylene	2000	U
58-90-2	2,3,4,6-Tetrachlorophenol	2000	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000475

SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: D3289.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.82	1400	J
02		Unknown-02	1.88	1500	J
03		Unknown-03	2.04	4300	J
04		Unknown-04	2.65	1400	J
05		Unknown-05	2.93	1300	J
06		Unknown-06	4.20	880	J
07		Unknown-07	4.23	1100	J
08		Unknown-08	6.26	820	J
09		Unknown-09	7.00	6000	J
10		Unknown-10	11.68	15000	J
11		Unknown-11	14.75	14000	J
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

000000476

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

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3290.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	Bis(2-chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1900	U

## EPA SAMPLE NO.

B7.LW0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	620	J
129-00-0	Pyrene	620	J
85-68-7	Butylbenzylphthalate	1100	J
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo (a) anthracene	300	J
218-01-9	Chrysene	380	J
117-81-7	Bis(2-ethylhexyl)phthalate	8600	
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo (b) fluoranthene	440	J
207-08-9	Benzo (k) fluoranthene	280	J
50-32-8	Benzo (a) pyrene	320	J
193-39-5	Indeno (1,2,3-cd) pyrene	1900	U
53-70-3	Dibenzo (a,h) anthracene	1900	U
191-24-2	Benzo (g,h,i) perylene	1900	U
58-90-2	2,3,4,6-Tetrachlorophenol	1900	U

<sup>1</sup>Cannot be separated from Diphenylamine

1991年12月15日

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

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3290.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.3 Dilution Factor: 10.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000814-78-8	3-Buten-2-one, 3-methyl-	1.83	2100	JN
02		Unknown-01	1.88	3500	J
03		Unknown-02	2.10	860	J
04		Unknown-03	2.35	1800	J
05		Unknown-04	2.65	4100	J
06		Unknown-05	2.93	2400	J
07		Unknown-06	12.87	980	J
08		Unknown-07	13.41	970	J
09		Unknown-08	13.61	1500	J
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3291.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	Bis(2-chloroethyl)ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	Bis(2-chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	2000	U
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	130	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	2000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	3900	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	2000	U
99-09-2	3-Nitroaniline	3900	U
83-32-9	Acenaphthene	2000	U

0000000000

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3291.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	3900	U
100-02-7	4-Nitrophenol	3900	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	3900	U
534-52-1	4,6-Dinitro-2-methylphenol	3900	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	1700	J
120-12-7	Anthracene	470	J
86-74-8	Carbazole	410	J
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo (a) anthracene	1200	J
218-01-9	Chrysene	1200	J
117-81-7	Bis(2-ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo (b) fluoranthene	1600	J
207-08-9	Benzo (k) fluoranthene	990	J
50-32-8	Benzo (a) pyrene	1100	J
193-39-5	Indeno (1,2,3-cd) pyrene	1500	J
53-70-3	Dibenzo (a,h) anthracene	670	J
191-24-2	Benzo (g,h,i) perylene	1300	J
58-90-2	2,3,4,6-Tetrachlorophenol	2000	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000023

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

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3291.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 10.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.82	1400	J
02		Unknown-02	1.87	5500	J
03		Unknown-03	2.29	940	J
04		Unknown-04	2.35	1100	J
05		Unknown-05	2.80	900	J
06		Unknown-06	7.68	820	J
07		Unknown-07	9.24	1700	J
08		Unknown-08	10.12	980	J
09		Unknown-09	10.60	2200	J
10		Unknown-10	10.98	1000	J
11		Unknown-11	13.59	490000	J
12					
13					
14					
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20					
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25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3292.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 17.0 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	24	J
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	200	U

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3292.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 17.0 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	75	J
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	110	J
218-01-9	Chrysene	120	J
117-81-7	Bis(2-ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo (b) fluoranthene	140	J
207-08-9	Benzo (k) fluoranthene	96	J
50-32-8	Benzo (a) pyrene	76	J
193-39-5	Indeno (1,2,3-cd) pyrene	130	J
53-70-3	Dibenzo (a,h) anthracene	43	J
191-24-2	Benzo (g,h,i) perylene	84	J
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3292.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 17.0 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.2 Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.61	3000	J
02		Unknown-02	1.82	310	J
03		Unknown-03	1.88	570	J
04		Unknown-04	2.48	96	J
05		Unknown-05	2.65	320	J
06		Unknown-06	2.84	94	J
07		Unknown-07	2.93	210	J
08		Unknown-08	3.80	170	J
09		Unknown-09	10.60	120	J
10		Unknown-10	11.67	1300	J
11		Unknown-11	12.34	1100	J
12		Unknown-12	12.84	13000	J
13					
14					
15					
16					
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22					
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29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	520	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: D3293.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 34.1 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.0 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	2600	U
108-95-2	Phenol	2600	U
111-44-4	Bis(2-chloroethyl) ether	2600	U
95-57-8	2-Chlorophenol	2600	U
95-48-7	2-Methylphenol	2600	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2600	U
98-86-2	Acetophenone	2600	U
106-44-5	4-Methylphenol	2600	U
621-64-7	N-Nitroso-di-n-propylamine	2600	U
67-72-1	Hexachloroethane	2600	U
98-95-3	Nitrobenzene	2600	U
78-59-1	Isophorone	2600	U
88-75-5	2-Nitrophenol	2600	U
105-67-9	2,4-Dimethylphenol	2600	U
111-91-1	Bis(2-chloroethoxy) methane	2600	U
120-83-2	2,4-Dichlorophenol	2600	U
91-20-3	Naphthalene	2600	U
106-47-8	4-Chloroaniline	2600	U
87-68-3	Hexachlorobutadiene	2600	U
105-60-2	Caprolactam	2600	U
59-50-7	4-Chloro-3-methylphenol	2600	U
91-57-6	2-Methylnaphthalene	2600	U
77-47-4	Hexachlorocyclopentadiene	2600	U
88-06-2	2,4,6-Trichlorophenol	2600	U
95-95-4	2,4,5-Trichlorophenol	2600	U
92-52-4	1,1'-Biphenyl	2600	U
91-58-7	2-Chloronaphthalene	2600	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethylphthalate	2600	U
606-20-2	2,6-Dinitrotoluene	2600	U
208-96-8	Acenaphthylene	2800	
99-09-2	3-Nitroaniline	5000	U
83-32-9	Acenaphthene	2600	U

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: D3293.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 34.1 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.0 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	5000	U
100-02-7	4-Nitrophenol	5000	U
132-64-9	Dibenzofuran	270	J
121-14-2	2,4-Dinitrotoluene	2600	U
84-66-2	Diethylphthalate	2600	U
86-73-7	Fluorene	2600	U
7005-72-3	4-Chlorophenyl-phenylether	2600	U
100-01-6	4-Nitroaniline	5000	U
534-52-1	4,6-Dinitro-2-methylphenol	5000	U
86-30-6	N-Nitrosodiphenylamine (1)	2600	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2600	U
101-55-3	4-Bromophenyl-phenylether	2600	U
118-74-1	Hexachlorobenzene	2600	U
1912-24-9	Atrazine	2600	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	11000	
120-12-7	Anthracene	2000	J
86-74-8	Carbazole	1800	J
84-74-2	Di-n-butylphthalate	2600	U
206-44-0	Fluoranthene	21000	
129-00-0	Pyrene	21000	
85-68-7	Butylbenzylphthalate	2600	U
91-94-1	3,3'-Dichlorobenzidine	2600	U
56-55-3	Benzo (a) anthracene	14000	
218-01-9	Chrysene	15000	
117-81-7	Bis(2-ethylhexyl)phthalate	1300	J
117-84-0	Di-n-octylphthalate	2600	U
205-99-2	Benzo (b) fluoranthene	19000	
207-08-9	Benzo (k) fluoranthene	14000	
50-32-8	Benzo (a) pyrene	15000	
193-39-5	Indeno (1,2,3-cd) pyrene	21000	
53-70-3	Dibenzo (a,h) anthracene	6000	
191-24-2	Benzo (g,h,i) perylene	15000	
58-90-2	2,3,4,6-Tetrachlorophenol	2600	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: D3293.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 34.1 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.0 Dilution Factor: 10.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.82	7000	J
02		Unknown-02	9.24	3400	J
03		Unknown-03	9.59	8100	J
04		Unknown-04	10.93	3800	J
05					
06					
07					
08					
09					
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25					
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27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

## EPA SAMPLE NO.

B7LW4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	Bis(2-chloroethyl)ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	Bis(2-chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1900	U

2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25

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

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-07  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: D3294.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 11.7 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/07/2010  
GPC Cleanup: (Y/N) Y pH: 5.6 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	1900	U
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	1900	U
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo (a) anthracene	1900	U
218-01-9	Chrysene	1900	U
117-81-7	Bis(2-ethylhexyl)phthalate	1900	U
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo (b) fluoranthene	1900	U
207-08-9	Benzo (k) fluoranthene	1900	U
50-32-8	Benzo (a) pyrene	1900	U
193-39-5	Indeno (1,2,3-cd) pyrene	1900	U
53-70-3	Dibenzo (a,h) anthracene	1900	U
191-24-2	Benzo (g,h,i) perylene	1900	U
58-90-2	2,3,4,6-Tetrachlorophenol	1900	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-07  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: D3294.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 11.7 Decanted: (Y/N) N Date Received: 12/16/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/07/2010  
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	1.83	1600	J
02		Unknown-02	1.88	3700	J
03		Unknown-03	2.35	1100	J
04		Unknown-04	2.59	1400	J
05		Unknown-05	14.90	14000	J
06		Unknown-06	15.69	4300	J
07		Unknown-07	16.13	1600	J
08		Unknown-08	17.89	1800	J
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-01  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8069.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	Bis(2-chloroethyl) ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	Bis(2-chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	460	J
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	230	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	2000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	350	J
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1200	J

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-01  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8069.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	770	J
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	1100	J
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	14000	
120-12-7	Anthracene	2800	
86-74-8	Carbazole	1700	J
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	19000	
129-00-0	Pyrene	15000	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo (a) anthracene	8400	
218-01-9	Chrysene	8700	
117-81-7	Bis(2-ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo (b) fluoranthene	7900	
207-08-9	Benzo (k) fluoranthene	7000	
50-32-8	Benzo (a) pyrene	7700	
193-39-5	Indeno (1,2,3-cd) pyrene	5900	
53-70-3	Dibenzo (a,h) anthracene	2000	U
191-24-2	Benzo (g,h,i) perylene	5400	
58-90-2	2,3,4,6-Tetrachlorophenol	2000	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-01

Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8069.D

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

% Moisture: 18.1 Decanted: (Y/N) N Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.14	1800	J
02	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	2200	JN
03		Unknown-02	2.09	1900	J
04	000132-65-0	Dibenzothiophene	9.22	1500	JN
05	000832-71-3	Phenanthrene, 3-methyl-	9.95	2300	JN
06	002531-84-2	Phenanthrene, 2-methyl-	9.99	3200	JN
07		Unknown-03	10.10	4800	J
08	000832-69-9	Phenanthrene, 1-methyl-	10.12	1800	JN
09	035465-71-5	2-Phenylnaphthalene	10.32	1700	JN
10	000084-65-1	9,10-Anthracenedione	10.35	2400	JN
11	005737-13-3	Cyclopenta(def)phenanthrenon	10.73	1700	JN
12	000243-17-4	11H-Benzo[b]fluorene	11.37	2000	JN
13	003442-78-2	Pyrene, 2-methyl-	11.50	4000	JN
14		Unknown-04	11.62	2000	J
15	000479-79-8	11H-Benzo[a]fluoren-11-one	12.12	2700	JN
16	000243-46-9	Benzo[b]naphtho[2,3-d]thiop.	12.24	3000	JN
17		Unknown-05	12.30	3800	J
18	000082-05-3	7H-Benz[de]anthracen-7-one	12.36	3500	JN
19		Unknown-06	12.70	2300	J
20		Unknown-07	12.81	1600	J
21		Unknown-08	13.11	2700	J
22		Unknown-09	13.23	1600	J
23		Unknown-10	14.25	4100	J
24		Unknown-11	15.50	1600	J
25		Unknown-12	16.48	3600	J
26		Unknown-13	16.89	2100	J
27		Unknown-14	17.41	2800	J
28		Unknown-15	19.41	2600	J
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	190000	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-02  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8070.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.5 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	Bis(2-chloroethyl) ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	Bis(2-chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	660	J
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	350	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	2000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	400	J
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1500	J

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

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-02  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8070.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.5 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	1100	J
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	1500	J
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	19000	
120-12-7	Anthracene	4200	
86-74-8	Carbazole	2400	
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	25000	
129-00-0	Pyrene	19000	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo (a) anthracene	10000	
218-01-9	Chrysene	11000	
117-81-7	Bis(2-ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo (b) fluoranthene	8800	
207-08-9	Benzo (k) fluoranthene	7600	
50-32-8	Benzo (a) pyrene	9200	
193-39-5	Indeno (1,2,3-cd) pyrene	8000	
53-70-3	Dibenzo (a,h) anthracene	2000	U
191-24-2	Benzo (g,h,i) perylene	6800	
58-90-2	2,3,4,6-Tetrachlorophenol	2000	U

<sup>1</sup>Cannot be separated from Diphenylamine

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011429-02

Sample wt/vol: 30.7 (g/mL) g

Lab File ID: G8070.D

Level: (TRACE, or LOW/MED)                      LOW

Extraction: (Type): SONC

% Moisture: 18.5      Decanted: (Y/N)      N

Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL

Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0

Date Analyzed: 01/04/2010

GPC Cleanup: (Y/N) Y pH: 6.5

Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.35	250000	J
02	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	2600	JN
03		Unknown-02	2.09	2600	J
04	000486-25-9	9H-Fluoren-9-one	9.12	2100	JN
05	000132-65-0	Dibenzothiophene	9.22	2000	JN
06	002531-84-2	Phenanthrene, 2-methyl-	9.95	3000	JN
07	000613-12-7	Anthracene, 2-methyl-	9.99	4000	JN
08		Unknown-03	10.03	1800	J
09		Unknown-04	10.09	6400	J
10	000779-02-2	Anthracene, 9-methyl-	10.12	2300	JN
11	035465-71-5	2-Phenyl-naphthalene	10.32	2300	JN
12	000084-65-1	9,10-Anthracenedione	10.35	2800	JN
13	005737-13-3	Cyclopenta(def)phenanthrenon	10.73	2100	JN
14	000243-17-4	11H-Benzo[b]fluorene	11.36	2400	JN
15	033543-31-6	Fluoranthene, 2-methyl-	11.49	4600	JN
16	002381-21-7	Pyrene, 1-methyl-	11.61	2300	JN
17	000479-79-8	11H-Benzo[a]fluoren-11-one (	12.12	3200	JN
18	000243-46-9	Benzo[b]naphtho[2,3-d]thiop.	12.24	3700	JN
19		Unknown-05	12.29	4100	J
20	000479-79-8	11H-Benzo[a]fluoren-11-one (	12.36	2900	JN
21		Unknown-06	12.69	2700	J
22	002498-77-3	Benz[a]anthracene, 1-methyl-	13.10	2700	JN
23		Unknown-07	13.23	1800	J
24	000192-97-2	Benzo[e]pyrene	14.25	4100	JN
25		Unknown-08	14.41	2000	J
26		Unknown-09	16.49	4200	J
27		Unknown-10	16.89	2100	J
28		Unknown-11	17.41	3000	J
29	000189-55-9	3,4:9,10-Dibenzopyrene	19.41	2200	JN
30	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8071.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 10.0 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	44	J
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	95	J
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	360	U
83-32-9	Acenaphthene	190	U

000000731

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8071.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 10.0 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	360	U
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	48	J
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	200	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	130	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-ethylhexyl)phthalate	200	
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	200	
207-08-9	Benzo (k) fluoranthene	130	J
50-32-8	Benzo (a) pyrene	170	J
193-39-5	Indeno (1,2,3-cd) pyrene	180	J
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	180	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000732

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

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8071.D

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

% Moisture: 10.0 Decanted: (Y/N) N Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.17	30000	J
02		Unknown-02	1.58	710	J
03	013187-99-0	2-Bromo dodecane	8.12	860	JN
04	002883-02-5	n-Nonylcyclohexane	9.62	860	JN
05	042217-02-7	1-Chloroeicosane	10.61	1500	JN
06	035599-77-0	Tridecane, 1-iodo- (01)	11.16	1200	JN
07	066563-30-2	Bacchotricuneatin c	11.33	2900	JN
08	035599-77-0	Tridecane, 1-iodo- (02)	11.75	2400	JN
09	035599-77-0	Tridecane, 1-iodo- (03)	12.00	1700	JN
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	66000	J

<sup>2</sup>EPA-designated Registry Number.

888888733

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-04  
Sample wt/vol: 30.1 (g/mL) g Lab File ID: G8072.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 4.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl) ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy) methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	200	U

000000773

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-04  
Sample wt/vol: 30.1 (g/mL) g Lab File ID: G8072.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	56	J
129-00-0	Pyrene	250	
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo (b) fluoranthene	200	U
207-08-9	Benzo (k) fluoranthene	200	U
50-32-8	Benzo (a) pyrene	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	28	J
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	24	J
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000700

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

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-04  
Sample wt/vol: 30.1 (g/mL) g Lab File ID: G8072.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 14.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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	1.44	4000	J
02		Unknown-02	1.58	360	J
03		Unknown-03	7.43	390	J
04		Unknown-04	7.69	200	J
05		Unknown-05	7.84	400	J
06		Unknown-06	7.91	230	J
07		Unknown-07	7.95	530	J
08		Unknown-08	8.04	400	J
09		Unknown-09	8.27	830	J
10	013187-99-0	2-Bromo dodecane	8.40	1800	JN
11		Unknown-10	8.59	1000	J
12		Unknown-11	8.62	640	J
13		Unknown-12	8.77	790	J
14		Unknown-13	8.88	660	J
15		Unknown-14	8.95	1800	J
16		Unknown-15	9.05	970	J
17		Unknown-16	15.72	310	J
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	21000	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8073.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8073.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	340	
129-00-0	Pyrene	380	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	240	
218-01-9	Chrysene	320	
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	350	
207-08-9	Benzo (k) fluoranthene	210	
50-32-8	Benzo (a) pyrene	280	
193-39-5	Indeno (1,2,3-cd) pyrene	290	
53-70-3	Dibenzo (a,h) anthracene	63	J
191-24-2	Benzo (g,h,i) perylene	290	
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup> Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8073.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 14.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.13	100	J
02		Unknown-02	1.35	33000	J
03	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	250	JN
04		Unknown-03	1.68	160	JB
05		Unknown-04	1.70	160	J
06		Unknown-05	2.09	140	J
07		Unknown-06	2.70	120	J
08		Unknown-07	2.76	99	J
09		Unknown-08	3.08	110	J
10		Unknown-09	3.60	190	J
11		Unknown-10	7.44	120	J
12		Unknown-11	7.52	110	J
13		Unknown-12	7.96	180	J
14		Unknown-13	8.00	95	J
15		Unknown-14	8.04	95	J
16		Unknown-15	8.25	110	J
17		Unknown-16	8.67	390	J
18		Unknown-17	8.76	200	J
19		Unknown-18	8.89	120	J
20		Unknown-19	9.04	230	J
21		Unknown-20	9.15	510	J
22		Unknown-21	9.97	900	J
23		Unknown-22	10.12	1300	J
24		Unknown-23	10.41	1300	J
25		Unknown-24	15.04	1500	J
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8074.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.5 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	20	J
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	370	U
83-32-9	Acenaphthene	190	U

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8074.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.5 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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
51-28-5	2,4-Dinitrophenol	370	U
100-02-7	4-Nitrophenol	370	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	370	U
534-52-1	4,6-Dinitro-2-methylphenol	370	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	230	
120-12-7	Anthracene	33	J
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	490	
129-00-0	Pyrene	610	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	380	
218-01-9	Chrysene	490	
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	570	
207-08-9	Benzo (k) fluoranthene	330	
50-32-8	Benzo (a) pyrene	430	
193-39-5	Indeno (1,2,3-cd) pyrene	480	
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	470	
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup> Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06

Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8074.D

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

% Moisture: 12.5 Decanted: (Y/N) N Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010

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	1.13	140	J
02		Unknown-02	1.35	12000	J
03	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	230	JN
04		Unknown-03	1.68	160	JB
05		Unknown-04	1.70	240	J
06		Unknown-05	2.38	140	J
07		Unknown-06	2.76	140	J
08	000110-43-0	2-Heptanone	3.08	140	JN
09		Unknown-07	3.60	350	J
10		Unknown-08	3.73	180	J
11		Unknown-09	7.44	170	J
12		Unknown-10	7.52	140	J
13		Unknown-11	7.96	260	J
14		Unknown-12	8.04	160	J
15		Unknown-13	8.10	330	J
16		Unknown-14	8.26	180	J
17		Unknown-15	8.76	260	J
18		Unknown-16	9.05	260	J
19		Unknown-17	9.16	560	J
20		Unknown-18	9.18	520	J
21		Unknown-19	9.98	1600	J
22		Unknown-20	10.12	1800	J
23		Unknown-21	15.06	760	J
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	700	J

<sup>2</sup>EPA-designated Registry Number.

000000070

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8075.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	19	75
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	9.4	75
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	14	75

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8075.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	49	J
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	370	
120-12-7	Anthracene	46	J
86-74-8	Carbazole	28	J
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	880	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	710	
218-01-9	Chrysene	1000	
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	1200	
207-08-9	Benzo (k) fluoranthene	660	
50-32-8	Benzo (a) pyrene	830	
193-39-5	Indeno (1,2,3-cd) pyrene	980	
53-70-3	Dibenzo (a,h) anthracene	270	
191-24-2	Benzo (g,h,i) perylene	880	
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07

Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8075.D

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

% Moisture: 12.7 Decanted: (Y/N) N Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	460	JN
02	001569-50-2	3-Penten-2-ol	1.68	260	JBN
03		Unknown-01	2.09	550	J
04		Unknown-02	2.76	120	J
05		Unknown-03	9.96	87	J
06	000613-12-7	Anthracene, 2-methyl- (02)	9.99	110	JN
07		Unknown-04	10.10	230	J
08		Unknown-05	10.12	100	J
09	000243-17-4	11H-Benzo[b]fluorene	11.50	250	JN
10		Unknown-06	11.62	100	J
11	002381-21-7	Pyrene, 1-methyl- (02)	11.77	93	JN
12	000243-46-9	Benzo[b]naphtho[2,3-d]thiop.	12.24	110	JN
13		Unknown-07	12.29	190	J
14	001705-84-6	Triphenylene, 2-methyl-	13.11	160	JN
15	004282-44-4	1-Iodoundecane	13.27	160	JN
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	1500	J

<sup>2</sup>EPA-designated Registry Number.

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SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: G8076.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 13.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	23	J
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	150	J
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	47	J
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	60	J
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	70	J

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: G8076.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 13.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	140	J
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo (b) fluoranthene	200	U
207-08-9	Benzo (k) fluoranthene	200	U
50-32-8	Benzo (a) pyrene	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	200	U
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: G8076.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 13.3 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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	6.45	380	J
02		Unknown-02	6.56	950	J
03	000581-40-8	Naphthalene, 2,3-dimethyl-	7.16	550	JN
04		Unknown-03	7.20	1100	J
05	074685-29-3	9-Eicosene, (E)-	7.48	800	JN
06		Unknown-04	7.70	490	J
07		Unknown-05	7.91	1500	J
08		Unknown-06	8.05	800	J
09	052078-56-5	11-Tricosene	8.08	850	JN
10		Unknown-07	8.77	330	J
11		Unknown-08	9.06	390	J
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	25000	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8077.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl) ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	74	J
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	62	J
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	200	U

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8077.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 16.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine (1)	320	
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	240	
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo (b) fluoranthene	200	U
207-08-9	Benzo (k) fluoranthene	200	U
50-32-8	Benzo (a) pyrene	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	200	U
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8077.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 16.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/04/2010  
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	1.17	40000	J
02		Unknown-02	1.44	1800	J
03	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	230	JN
04		Unknown-03	1.68	260	JB
05	013065-07-1	Naphthalene, 1,2,3,4-tetrahydro-	6.46	290	JN
06	002437-56-1	1-Tridecene	6.84	380	JN
07		Unknown-04	7.48	410	J
08		Unknown-05	8.05	310	J
09	052078-56-5	11-Tricosene	8.08	570	JN
10		Unknown-06	8.27	760	J
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	26000	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-10  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3288.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 10.6 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	Bis(2-chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	200	J
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1900	U

888881851

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3288.D

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

% Moisture: 10.6 Decanted: (Y/N) N Date Received: 12/17/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010

GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	790	J
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	4000	
95-94-3	1,2,4,5-Tetrachlorobenzene	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	1700	J
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	2500	
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo (a) anthracene	1900	U
218-01-9	Chrysene	1900	U
117-81-7	Bis(2-ethylhexyl)phthalate	1900	U
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo (b) fluoranthene	1900	U
207-08-9	Benzo (k) fluoranthene	1900	U
50-32-8	Benzo (a) pyrene	1900	U
193-39-5	Indeno. (1,2,3-cd) pyrene	1900	U
53-70-3	Dibenzo (a,h) anthracene	1900	U
191-24-2	Benzo (g,h,i) perylene	1900	U
58-90-2	2,3,4,6-Tetrachlorophenol	1900	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-10  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: D3288.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 10.6 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 5.5 Dilution Factor: 10.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	2.15	3900	J
02		Unknown-02	2.79	1700	J
03		Unknown-03	7.34	800	J
04	002437-56-1	1-Tridecene	10.17	8000	JN
05		Unknown-04	11.45	14000	J
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 <sup>2</sup>	Total Alkanes	N/A	100000	J

<sup>2</sup>EPA-designated Registry Number.

000001053

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3283.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 13.2 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

888881876

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3283.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 13.2 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	73	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	200	
129-00-0	Pyrene	200	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	120	J
218-01-9	Chrysene	190	J
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	100	J
207-08-9	Benzo (k) fluoranthene	180	J
50-32-8	Benzo (a) pyrene	160	J
193-39-5	Indeno (1,2,3-cd) pyrene	140	J
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	110	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

000001070

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

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: D3283.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 13.2 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	005076-19-7	Oxirane, trimethyl-	1.61	3800	JN
02		Unknown-01	1.87	940	J
03		Unknown-02	2.65	1200	J
04		Unknown-03	2.93	1000	J
05		Unknown-04	14.59	80	J
06		Unknown-05	15.29	80	J
07		Unknown-06	15.42	96	J
08		Unknown-07	15.63	120	J
09		Unknown-08	16.84	78	J
10		Unknown-09	16.94	130	J
11		Unknown-10	17.72	99	J
12		Unknown-11	18.34	440	J
13		Unknown-12	19.06	170	J
14		Unknown-13	22.73	150	J
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8079.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/05/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	110	J
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	110	J
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	11	J
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	210	U

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8079.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 18.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/05/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	N-Nitrosodiphenylamine (1)	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	600	
129-00-0	Pyrene	510	
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo (a) anthracene	350	
218-01-9	Chrysene	360	
117-81-7	Bis(2-ethylhexyl)phthalate	280	
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo (b) fluoranthene	350	
207-08-9	Benzo (k) fluoranthene	240	
50-32-8	Benzo (a) pyrene	280	
193-39-5	Indeno (1,2,3-cd) pyrene	290	
53-70-3	Dibenzo (a,h) anthracene	64	J
191-24-2	Benzo (g,h,i) perylene	230	
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12  
Sample wt/vol: 30.5 (g/mL) g Lab File ID: G8079.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 18.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/05/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	740	JN
02		Unknown-01	2.09	900	J
03	000140-66-9	Phenol, 4-(1,1,3,3-tetramet.	8.28	44000	JN
04		Unknown-02	8.60	2200	J
05		Unknown-03	8.77	1000	J
06		Unknown-04	8.82	1700	J
07		Unknown-05	8.86	990	J
08		Unknown-06	8.90	930	J
09		Unknown-07	8.94	1900	J
10		Unknown-08	9.01	710	J
11		Unknown-09	9.04	1100	J
12		Unknown-10	9.08	1200	J
13		Unknown-11	9.68	20000	J
14		Unknown-12	10.16	2100	J
15		Unknown-13	10.19	2600	J
16		Unknown-14	10.40	1700	J
17		Unknown-15	16.31	700	J
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	49000	J

<sup>2</sup>EPA-designated Registry Number.

## EPA SAMPLE NO.

Lab Name:	A4 SCIENTIFIC, INC.			Contract:	EPW05036		
Lab Code:	A4	Case No.:	39334	Mod. Ref No.:	SDG No.:	B7LT9	
Matrix: (SOIL/SED/WATER)	SOIL			Lab Sample ID:	0011429-13		
Sample wt/vol:	30.7	(g/mL)	g	Lab File ID:	D3286.D		
Level: (LOW/MED)	LOW			Extraction: (Type)	SONC		
% Moisture:	19.1	Decanted: (Y/N)	N	Date Received:	12/17/2009		
Concentrated Extract Volume:	500	(uL)		Date Extracted:	12/24/2009		
Injection Volume:	1.0	(uL) GPC Factor:	2.0	Date Analyzed:	01/06/2010		
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	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	71	J
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	210	U

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

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: D3286.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 19.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
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
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	N-Nitrosodiphenylamine (1)	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	64	J
129-00-0	Pyrene	62	J
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo (a) anthracene	49	J
218-01-9	Chrysene	50	J
117-81-7	Bis(2-ethylhexyl)phthalate	230	
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo (b) fluoranthene	210	U
207-08-9	Benzo (k) fluoranthene	210	U
50-32-8	Benzo (a) pyrene	210	U
193-39-5	Indeno (1,2,3-cd) pyrene	68	J
53-70-3	Dibenzo (a,h) anthracene	210	U
191-24-2	Benzo (g,h,i) perylene	32	J
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: D3286.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 19.1 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/06/2010  
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	000814-78-8	3-Buten-2-one, 3-methyl-	1.82	410	JN
02		Unknown-01	2.35	510	J
03	000089-98-5	Benzaldehyde, 2-chloro-	5.99	540	JN
04	000873-76-7	p-Chlorobenzyl alcohol	6.92	1000	JN
05	000769-59-5	2-Butanone, 3-phenyl-	7.22	270	JN
06		Unknown-02	7.33	180	J
07	013605-19-1	Ethanol, 2-(3-methylphenoxy)	7.90	850	JN
08	001896-62-4	3-Buten-2-one, 4-phenyl-, (E	8.28	180	JN
09		Unknown-03	10.04	250	J
10		Unknown-04	10.35	500	J
11		Unknown-05	11.58	1900	J
12		Unknown-06	12.23	18000	J
13	1000130-78-2	E-9-Tetradecen-1-ol formate	13.46	13000	JN
14	002315-61-9	Ethanol, 2-[2-[4-(1,1,3,3-t.	14.10	810	JN
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	1000	J

<sup>2</sup>EPA-designated Registry Number.

## EPA SAMPLE NO.

Contract: EPW05036

Mod. Ref No.: SDG No.: B7LT9

Lab Sample ID: 0011429-14

Lab File ID: G8081.D

Extraction: (Type) SONC

Date Received: 12/17/2009

Date Extracted: 12/24/2009

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

SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-14  
Sample wt/vol: 30.3 (g/mL) g Lab File ID: G8081.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 9.8 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/05/2010  
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
51-28-5	2,4-Dinitrophenol	360	U
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	190	U
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	190	U
129-00-0	Pyrene	190	U
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	26	J
218-01-9	Chrysene	27	J
117-81-7	Bis(2-ethylhexyl)phthalate	33	J
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	48	J
207-08-9	Benzo (k) fluoranthene	31	J
50-32-8	Benzo (a) pyrene	40	J
193-39-5	Indeno (1,2,3-cd) pyrene	55	J
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	48	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-14  
Sample wt/vol: 30.3 (g/mL) g Lab File ID: G8081.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 9.8 Decanted: (Y/N) N Date Received: 12/17/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/05/2010  
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	000814-78-8	3-Buten-2-one, 3-methyl-	1.64	610	JN
02		Unknown-01	1.68	370	JB
03		Unknown-02	2.04	130	J
04		Unknown-03	2.09	500	J
05		Unknown-04	2.13	100	J
06		Unknown-05	2.29	130	J
07		Unknown-06	2.34	120	J
08		Unknown-07	2.49	96	J
09		Unknown-08	2.58	110	J
10		Unknown-09	2.70	190	J
11		Unknown-10	2.76	120	J
12		Unknown-11	6.16	98	J
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	8500	J

<sup>2</sup>EPA-designated Registry Number.

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LT9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: F18755.D

% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-03  
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18770.D  
 % Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/16/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.3 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	37	U
11104-28-2	AR1221	37	U
11141-16-5	AR1232	37	U
53469-21-9	AR1242	37	U
12672-29-6	AR1248	37	U
11097-69-1	AR1254	37	U
11096-82-5	AR1260	37	U
37324-23-5	AR1262	37	U
11100-14-4	AR1268	37	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: F18757.D

% Moisture: 16.3 Decanted: (Y/N) N Date Received: 12/16/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-05  
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18758.D  
 % Moisture: 17.0 Decanted: (Y/N) N Date Received: 12/16/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.2 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	40	U
11104-28-2	AR1221	40	U
11141-16-5	AR1232	40	U
53469-21-9	AR1242	40	U
12672-29-6	AR1248	40	U
11097-69-1	AR1254	40	U
11096-82-5	AR1260	40	U
37324-23-5	AR1262	40	U
11100-14-4	AR1268	40	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-06  
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18754.D  
 % Moisture: 34.1 Decanted: (Y/N) N Date Received: 12/16/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	50	U <u>5</u>
11104-28-2	AR1221	50	U <u>1</u>
11141-16-5	AR1232	50	U <u>1</u>
53469-21-9	AR1242	50	U <u>1</u>
12672-29-6	AR1248	50	U <u>1</u>
11097-69-1	AR1254	50	U <u>1</u>
11096-82-5	AR1260	50	U <u>1</u>
37324-23-5	AR1262	50	U <u>1</u>
11100-14-4	AR1268	50	U <u>0</u>

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011419-07

Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18759.D

% Moisture: 11.7 Decanted: (Y/N) N Date Received: 12/16/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.6 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	37	U
11104-28-2	AR1221	37	U
11141-16-5	AR1232	37	U
53469-21-9	AR1242	37	U
12672-29-6	AR1248	37	U
11097-69-1	AR1254	37	U
11096-82-5	AR1260	37	U
37324-23-5	AR1262	37	U
11100-14-4	AR1268	37	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-01  
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18655.D  
 % Moisture: 18.1 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 6.7 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	40	U
11104-28-2	AR1221	40	U
11141-16-5	AR1232	40	U
53469-21-9	AR1242	40	U
12672-29-6	AR1248	40	U
11097-69-1	AR1254	40	U
11096-82-5	AR1260	40	U
37324-23-5	AR1262	40	U
11100-14-4	AR1268	40	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18656.D

% Moisture: 18.5 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.5 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	40	U
11104-28-2	AR1221	40	U
11141-16-5	AR1232	40	U
53469-21-9	AR1242	40	U
12672-29-6	AR1248	40	U
11097-69-1	AR1254	40	U
11096-82-5	AR1260	40	U
37324-23-5	AR1262	40	U
11100-14-4	AR1268	40	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-03

Sample wt/vol: 30.3 (g/mL) g Lab File ID: F18657.D

% Moisture: 10.0 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg' ug/kg	Q
12674-11-2	AR1016	36	U
11104-28-2	AR1221	36	U
11141-16-5	AR1232	36	U
53469-21-9	AR1242	36	U
12672-29-6	AR1248	36	U
11097-69-1	AR1254	36	U
11096-82-5	AR1260	36	U
37324-23-5	AR1262	36	U
11100-14-4	AR1268	36	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-04  
 Sample wt/vol: 30.5 (g/mL) g Lab File ID: F18658.D  
 % Moisture: 14.1 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 4.9 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	38	U J
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U J
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LW9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-05  
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: F18659.D  
 % Moisture: 14.3 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 6.5 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

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1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-06  
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18660.D  
 % Moisture: 12.5 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.6 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-07  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: F18661.D  
% Moisture: 12.7 Decanted: (Y/N) N Date Received: 12/17/2009  
Extraction: (Type) SONC Date Extracted: 12/22/2009  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) N  
ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-08

Sample wt/vol: 30.4 (g/mL) g Lab File ID: F18662.D

% Moisture: 13.3 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.9 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

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1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-09  
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: F18663.D  
 % Moisture: 16.1 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-10  
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: F18664.D  
 % Moisture: 10.6 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.5 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	36	U
11104-28-2	AR1221	36	U
11141-16-5	AR1232	36	U
53469-21-9	AR1242	36	U
12672-29-6	AR1248	36	U
11097-69-1	AR1254	36	U
11096-82-5	AR1260	36	U
37324-23-5	AR1262	36	U
11100-14-4	AR1268	36	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18670.D

% Moisture: 13.2 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.9 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-12

Sample wt/vol: 30.3 (g/mL) g Lab File ID: F18671.D

% Moisture: 18.7 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.1 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	40	U
11104-28-2	AR1221	40	U
11141-16-5	AR1232	40	U
53469-21-9	AR1242	40	U
12672-29-6	AR1248	40	U
11097-69-1	AR1254	40	U
11096-82-5	AR1260	40	U
37324-23-5	AR1262	40	U
11100-14-4	AR1268	40	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-13

Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18672.D

% Moisture: 19.1 Decanted: (Y/N) N Date Received: 12/17/2009

Extraction: (Type) SONC Date Extracted: 12/22/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 4.9 Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	41	U
11104-28-2	AR1221	41	U
11141-16-5	AR1232	41	U
53469-21-9	AR1242	41	U
12672-29-6	AR1248	41	U
11097-69-1	AR1254	41	U
11096-82-5	AR1260	41	U
37324-23-5	AR1262	41	U
11100-14-4	AR1268	41	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LT9  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011429-14  
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: F18673.D  
 % Moisture: 9.8 Decanted: (Y/N) N Date Received: 12/17/2009  
 Extraction: (Type) SONC Date Extracted: 12/22/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/2009  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	36	U
11104-28-2	AR1221	36	U
11141-16-5	AR1232	36	U
53469-21-9	AR1242	36	U
12672-29-6	AR1248	36	U
11097-69-1	AR1254	36	U
11096-82-5	AR1260	36	U
37324-23-5	AR1262	36	U
11100-14-4	AR1268	36	U

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

EPA SAMPLE NO.

B7LX5

RB

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LX5

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: 0011433-01

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: H8732.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec.

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	17	
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	2.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	4.4	J
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	✓R

Report 1,4-Dioxane for Low-Medium VOA analysis only

0000000011

SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LX5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LX5

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: 0011433-01

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: H8732.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/17/2009

% Moisture: not dec.

Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

000000012

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

EPA SAMPLE NO.

B7LX5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LX5

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0011433-01

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: H8732.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/17/2009

% Moisture: not dec. Date Analyzed: 12/19/2009

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000556-67-2	Cyclotetrasiloxane, octamet.	11.87	7.0	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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

0000000013

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

EPA SAMPLE NO.

B7LX5 *EB*

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LX5  
Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0011433-01  
Sample wt/vol: 1000 (g/mL) mL Lab File ID: D3282.D  
Level: (LOW/MED) LOW Extraction: (Type) CONT  
% Moisture: Decanted: (Y/N) Date Received: 12/17/2009  
Concentrated Extract Volume: 1000 (uL) Date Extracted: 12/20/2009  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

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

EPA SAMPLE NO.

B7LX5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LX5  
Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0011433-01  
Sample wt/vol: 1000 (g/mL) mL Lab File ID: D3282.D  
Level: (LOW/MED) LOW Extraction: (Type) CONT  
% Moisture: Decanted: (Y/N) Date Received: 12/17/2009  
Concentrated Extract Volume: 1000 (uL) Date Extracted: 12/20/2009  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo (a) anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo (b) fluoranthene	5.0	U
207-08-9	Benzo (k) fluoranthene	5.0	U
50-32-8	Benzo (a) pyrene	5.0	U
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U
53-70-3	Dibenzo (a,h) anthracene	5.0	U
191-24-2	Benzo (g,h,i) perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000100

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

EPA SAMPLE NO.

B7LX5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LX5  
Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0011433-01  
Sample wt/vol: 1000 (g/mL) mL Lab File ID: D3282.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): CONT  
% Moisture: Decanted: (Y/N) Date Received: 12/17/2009  
Concentrated Extract Volume: 1000 (uL) Date Extracted: 12/20/2009  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Date Analyzed: 01/06/2010  
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	1.66	32	J
02		Unknown-02	1.76	66	J
03		Unknown-03	3.39	6.8	J
04		Unknown-04	9.46	7.0	J
05	082304-66-3	7,9-Di-tert-butyl-1-oxaspir.	12.62	7.2	JN
06		Unknown-05	19.35	24	J
07		Unknown-06	22.05	5.9	J
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	100	J

<sup>2</sup>EPA-designated Registry Number.

000000101

SOM01.2 (8/2007)

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LX5

2.3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LX5

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0011433-01

Sample wt/vol: 1000 (g/mL) mL Lab File ID: F18753.D

% Moisture: Decanted: (Y/N) Date Received: 12/17/2009

Extraction: (Type) SEPF Date Extracted: 12/18/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/L	Q
12674-11-2	AR1016	1.0	U
11104-28-2	AR1221	1.0	U
11141-16-5	AR1232	1.0	U
53469-21-9	AR1242	1.0	U
12672-29-6	AR1248	1.0	U
11097-69-1	AR1254	1.0	U
11096-82-5	AR1260	1.0	U
37324-23-5	AR1262	1.0	U
11100-14-4	AR1268	1.0	U

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

EPA SAMPLE NO.

B7LY0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER), SOIL

Lab Sample ID: 0011448-01

Sample wt/vol: 5.24 (g/mL) g

Lab File ID: C1617.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/18/2009

% Moisture: not dec. 13.2

Date Analyzed: 12/28/2009

GC Column: DB-624 ID: 0.20. (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	5.5	U
74-87-3	Chloromethane	5.5	U
75-01-4	Vinyl chloride	5.5	U
74-83-9	Bromomethane	5.5	U
75-00-3	Chloroethane	5.5	U
75-69-4	Trichlorofluoromethane	5.5	U J
75-35-4	1,1-Dichloroethene	5.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U J
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.5	U
79-20-9	Methyl acetate	5.5	U J
75-09-2	Methylene chloride	4.5 5.5	U J
156-60-5	trans-1,2-Dichloroethene	5.5	U
1634-04-4	Methyl tert-butyl ether	5.5	U J
75-34-3	1,1-Dichloroethane	5.5	U
156-59-2	cis-1,2-Dichloroethene	2.4	J
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.5	U
67-66-3	Chloroform	5.5	U
71-55-6	1,1,1-Trichloroethane	5.5	U J
110-82-7	Cyclohexane	5.5	U J
56-23-5	Carbon tetrachloride	5.5	U J
71-43-2	Benzene	5.5	U J
107-06-2	1,2-Dichloroethane	5.5	U J
123-91-1	1,4-Dioxane	110	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-01  
Sample wt/vol: 5.24 (g/mL) g Lab File ID: C1617.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 13.2 Date Analyzed: 12/28/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	5.5	U J
78-87-5	1,2-Dichloropropane	5.5	U
75-27-4	Bromodichloromethane	5.5	U
10061-01-5	cis-1,3-Dichloropropene	5.5	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.5	U
10061-02-6	trans-1,3-Dichloropropene	5.5	U
79-00-5	1,1,2-Trichloroethane	5.5	U
127-18-4	Tetrachloroethene	2.0	J
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.5	U
106-93-4	1,2-Dibromoethane	5.5	U J
108-90-7	Chlorobenzene	5.5	U
100-41-4	Ethylbenzene	5.5	U
95-47-6	o-Xylene	5.5	U
179601-23-1	m,p-Xylene	5.5	U
100-42-5	Styrene	5.5	U
75-25-2	Bromoform	5.5	U
98-82-8	Isopropylbenzene	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U
541-73-1	1,3-Dichlorobenzene	5.5	U
106-46-7	1,4-Dichlorobenzene	5.5	U
95-50-1	1,2-Dichlorobenzene	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	5.5	U
120-82-1	1,2,4-Trichlorobenzene	5.5	U
87-61-6	1,2,3-Trichlorobenzene	5.5	U

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

EPA SAMPLE NO.

B7LY0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-01

Sample wt/vol: 5.24 (g/mL) g Lab File ID: C1617.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009

% Moisture: not dec. 13.2 Date Analyzed: 12/28/2009

GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011448-02

Sample wt/vol: 5.24 (g/mL) g

Lab File ID: H8785.D

Level: (TRACE/LOW/MED) LOW

Date Received: 12/18/2009

% Moisture: not dec. 6.3

Date Analyzed: 12/24/2009

GC Column: DB-624 ID: 0.20 (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	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.1	U
79-20-9	Methyl acetate	5.1	U
75-09-2	Methylene chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
110-82-7	Cyclohexane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
123-91-1	1,4-Dioxane	100	PR

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
Sample wt/vol: 5.24 (g/mL) g Lab File ID: H8785.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 6.3 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 10.0 (uL) Soil Aliquot Volume: 10.0 (uL)  
Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	75	
108-87-2	Methylcyclohexane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.1	U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	1.8	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
95-47-6	o-Xylene	5.1	U
179601-23-1	m,p-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	U

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
Sample wt/vol: 5.24 (g/mL) g Lab File ID: H8785.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 6.3 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8786.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 7.3 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	<del>4.0</del> 10	<del>U</del>
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	<del>1.5</del> 5.0	<del>U</del>
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	0.82	J
78-93-3	2-Butanone	2.9	J
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U J
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	1R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8786.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 7.3 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	21	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	0.61	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO:

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8786.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 7.3 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY3RE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04RE1  
Sample wt/vol: 4.98 (g/mL) g Lab File ID: C1618.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 11.8 Date Analyzed: 12/28/2009  
GC Column: DB-624 ID: 0.20 (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	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U
67-64-1	Acetone	46	
75-15-0	Carbon disulfide	5.7	U
79-20-9	Methyl acetate	5.7	U
75-09-2	Methylene chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl tert-butyl ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	5.7	J
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
56-23-5	Carbon tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
123-91-1	1,4-Dioxane	110	OR

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY3RE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04RE1  
Sample wt/vol: 4.98 (g/mL) g Lab File ID: C1618.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 11.8 Date Analyzed: 12/28/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	1.6	J
108-87-2	Methylcyclohexane	5.7	U 5
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U 1
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.7	U
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.7	U 5
106-93-4	1,2-Dibromoethane	5.7	U 5
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
95-47-6	o-Xylene	1.5	J
179601-23-1	m,p-Xylene	2.2	J
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U 5
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

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

EPA SAMPLE NO.

B7LY3RE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04RE1  
Sample wt/vol: 4.98 (g/mL) g Lab File ID: C1618.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 11.8 Date Analyzed: 12/28/2009  
GC Column: DB-624 ID: 0.20 (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	8.96	39	J
02		Unknown-02	10.88	30	J
03		Unknown-03	16.00	7.3	J
04		Unknown-04	17.84	36	J
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8781.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 15.3 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.8	U
79-20-9	Methyl acetate	5.8	U
75-09-2	Methylene chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U J
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
123-91-1	1,4-Dioxane	120	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8781.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 15.3 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	5.8	U
108-87-2	Methylcyclohexane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.8	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
95-47-6	o-Xylene	5.8	U
179601-23-1	m,p-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

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

EPA SAMPLE NO.

B7LY4.

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8781.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 15.3 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8789.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 14.9 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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	5.7	U
74-87-3	Chloromethane	4.5	J
75-01-4	Vinyl chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U
67-64-1	Acetone	110	
75-15-0	Carbon disulfide	5.7	U
79-20-9	Methyl acetate	5.7	U
75-09-2	Methylene chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl tert-butyl ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	6.2	J
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
56-23-5	Carbon tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
123-91-1	1,4-Dioxane	110	✓R

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8789.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 14.9 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	4.0	J
108-87-2	Methylcyclohexane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	0.73	J
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
95-47-6	o-Xylene	5.7	U
179601-23-1	m,p-Xylene	5.7	U
100-42-5	Styrene	1.1	J
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	U

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06

Sample wt/vol: 5.12 (g/mL) g Lab File ID: H8789.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009

% Moisture: not dec. 14.9 Date Analyzed: 12/24/2009

GC Column: DB-624 ID: 0.20 (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	11.24	7.3	J
02		Unknown-02	11.93	9.5	J
03	000100-52-7	Benzaldehyde	12.45	15	JN
04		Unknown-03	12.70	6.0	J
05	000089-98-5	Benzaldehyde, 2-chloro-	14.42	330	JN
06					
07					
08					
09					
10					
11					
12					
13					
14					
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21					
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24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 5.11 (g/mL) g Lab File ID: H8783.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 3.7 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U <u>J</u>
75-35-4	1,1-Dichloroethene	5.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U <u>J</u>
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.1	U
79-20-9	Methyl acetate	5.1	U <u>J</u>
75-09-2	Methylene chloride	<del>2.4</del> <u>5.1</u>	U <u>J</u>
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U <u>J</u>
75-34-3	1,1-Dichloroethane	5.1	U
156-59-2	cis-1,2-Dichloroethene	5.1	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U <u>J</u>
110-82-7	Cyclohexane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U <u>J</u>
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U <u>J</u>
123-91-1	1,4-Dioxane	100	<u>NR</u>

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 5.11 (g/mL) g Lab File ID: H8783.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 3.7 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	5.1	U
108-87-2	Methylcyclohexane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.1	U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
95-47-6	o-Xylene	5.1	U
179601-23-1	m,p-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	U

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 5.11 (g/mL) g Lab File ID: H8783.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 3.7 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
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27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
Sample wt/vol: 5.25 (g/mL) g Lab File ID: H8782.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 20.9 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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	6.0	U
74-87-3	Chloromethane	6.0	U
75-01-4	Vinyl chloride	6.0	U
74-83-9	Bromomethane	6.0	U
75-00-3	Chloroethane	6.0	U
75-69-4	Trichlorofluoromethane	6.0	U
75-35-4	1,1-Dichloroethene	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.0	U
79-20-9	Methyl acetate	6.0	U
75-09-2	Methylene chloride	6.0	U
156-60-5	trans-1,2-Dichloroethene	6.0	U
1634-04-4	Methyl tert-butyl ether	6.0	U
75-34-3	1,1-Dichloroethane	6.0	U
156-59-2	cis-1,2-Dichloroethene	6.0	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.0	U
67-66-3	Chloroform	6.0	U
71-55-6	1,1,1-Trichloroethane	6.0	U
110-82-7	Cyclohexane	6.0	U
56-23-5	Carbon tetrachloride	6.0	U
71-43-2	Benzene	6.0	U
107-06-2	1,2-Dichloroethane	6.0	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
Sample wt/vol: 5.25 (g/mL) g Lab File ID: H8782.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 20.9 Date Analyzed: 12/23/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	6.0	U
108-87-2	Methylcyclohexane	6.0	U
78-87-5	1,2-Dichloropropane	6.0	U
75-27-4	Bromodichloromethane	6.0	U
10061-01-5	cis-1,3-Dichloropropene	6.0	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.0	U
10061-02-6	trans-1,3-Dichloropropene	6.0	U
79-00-5	1,1,2-Trichloroethane	6.0	U
127-18-4	Tetrachloroethene	6.0	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.0	U
106-93-4	1,2-Dibromoethane	6.0	U
108-90-7	Chlorobenzene	6.0	U
100-41-4	Ethylbenzene	6.0	U
95-47-6	o-Xylene	6.0	U
179601-23-1	m,p-Xylene	6.0	U
100-42-5	Styrene	6.0	U
75-25-2	Bromoform	6.0	U
98-82-8	Isopropylbenzene	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U
541-73-1	1,3-Dichlorobenzene	6.0	U
106-46-7	1,4-Dichlorobenzene	6.0	U
95-50-1	1,2-Dichlorobenzene	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	6.0	U
120-82-1	1,2,4-Trichlorobenzene	6.0	U
87-61-6	1,2,3-Trichlorobenzene	6.0	U

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08

Sample wt/vol: 5.25 (g/mL) g Lab File ID: H8782.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009

% Moisture: not dec. 20.9 Date Analyzed: 12/23/2009

GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 5.44 (g/mL) g Lab File ID: H8791.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 14.6 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U J
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U J
67-64-1	Acetone	<del>10</del> 11	J U
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U J
75-09-2	Methylene chloride	5.4	U J
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U J
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	4.9	J
78-93-3	2-Butanone	3.7	J
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U J
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U J
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U J
123-91-1	1,4-Dioxane	110	J R

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000162  
SOM1.2 (8/2007)

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 5.44 (g/mL) g Lab File ID: H8791.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 14.6 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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
79-01-6	Trichloroethene	1.9	J
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.4	U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
95-47-6	o-Xylene	3.2	J
179601-23-1	m,p-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 5.44 (g/mL) g Lab File ID: H8791.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 14.6 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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					
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 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8792.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 12.9 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U J
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U J
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U J
75-09-2	Methylene chloride	5.4	U J
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U J
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U J
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U J
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U J
123-91-1	1,4-Dioxane	110	U R

Report 1,4-Dioxane for Low-Medium VOA analysis only

000000176  
SOM1.2 (8/2007)

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8792.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 12.9 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	1.3	J
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.4	U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	6.1	
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U J
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
95-47-6	o-Xylene	5.4	U
179601-23-1	m,p-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 5.35 (g/mL) g Lab File ID: H8792.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 12.9 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
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25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 5.69 (g/mL) g Lab File ID: H8793.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 9.2 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	4.8	U
74-87-3	Chloromethane	4.8	U
75-01-4	Vinyl chloride	4.8	U
74-83-9	Bromomethane	4.8	U
75-00-3	Chloroethane	4.8	U
75-69-4	Trichlorofluoromethane	4.8	U
75-35-4	1,1-Dichloroethene	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U
67-64-1	Acetone	9.7	U
75-15-0	Carbon disulfide	4.8	U
79-20-9	Methyl acetate	4.8	U
75-09-2	Methylene chloride	<del>4.8</del> 4.8	<del>U</del>
156-60-5	trans-1,2-Dichloroethene	4.8	U
1634-04-4	Methyl tert-butyl ether	4.8	U
75-34-3	1,1-Dichloroethane	4.8	U
156-59-2	cis-1,2-Dichloroethene	4.8	U
78-93-3	2-Butanone	9.7	U
74-97-5	Bromochloromethane	4.8	U
67-66-3	Chloroform	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	U
110-82-7	Cyclohexane	4.8	U
56-23-5	Carbon tetrachloride	4.8	U J
71-43-2	Benzene	4.8	U
107-06-2	1,2-Dichloroethane	4.8	U
123-91-1	1,4-Dioxane	97	PR

Report 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 5.69 (g/mL) g Lab File ID: H8793.D  
Level: (TRACE/LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 9.2 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	0.55	J
108-87-2	Methylcyclohexane	4.8	U
78-87-5	1,2-Dichloropropane	4.8	U
75-27-4	Bromodichloromethane	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	U
108-10-1	4-Methyl-2-pentanone	9.7	U
108-88-3	Toluene	4.8	U
10061-02-6	trans-1,3-Dichloropropene	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	U
127-18-4	Tetrachloroethene	19	
591-78-6	2-Hexanone	9.7	U
124-48-1	Dibromochloromethane	4.8	U
106-93-4	1,2-Dibromoethane	4.8	U
108-90-7	Chlorobenzene	4.8	U
100-41-4	Ethylbenzene	4.8	U
95-47-6	o-Xylene	4.8	U
179601-23-1	m,p-Xylene	4.8	U
100-42-5	Styrene	4.8	U
75-25-2	Bromoform	4.8	U
98-82-8	Isopropylbenzene	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	U

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 5.69 (g/mL) g Lab File ID: H8793.D  
Level: (TRACE or LOW/MED) LOW Date Received: 12/18/2009  
% Moisture: not dec. 9.2 Date Analyzed: 12/24/2009  
GC Column: DB-624 ID: 0.20 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

## EPA SAMPLE NO.

B7LY0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy) methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

## EPA SAMPLE NO.

B7LY0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	190	U
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	190	U
129-00-0	Pyrene	190	U
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	190	U
218-01-9	Chrysene	90	J
117-81-7	Bis(2-ethylhexyl)phthalate	70	13
117-84-0	Di-n-octylphthalate	190	U 5
205-99-2	Benzo (b) fluoranthene	130	J
207-08-9	Benzo (k) fluoranthene	130	J
50-32-8	Benzo (a) pyrene	110	J
193-39-5	Indeno (1,2,3-cd) pyrene	100	J
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	110	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

EPA SAMPLE NO.

B7LY0

Lab Name: A4 SCIENTIFIC, INC.

Contract: EPW05036

Lab Code: A4 Case No.: 39334

Mod. Ref No.: SDG No.: B7LY0

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: 0011448-01

Sample wt/vol: 30.2 (g/mL) g

Lab File ID: G8089.D

Level: (TRACE or LOW/MED) LOW

Extraction: (Type): SONC

% Moisture: 13.2      Decanted: (Y/N)      N

Date Received: 12/18/2009

Concentrated Extract Volume: 500 (uL)

Date Extracted: 12/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0

Date Analyzed: 01/08/2010

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 (4.07)	1.15	79000	J
02		Unknown-02 (4.07)	1.40	3200	J
03		Unknown-03 (4.07)	1.42	5700	J
04	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	440	JN
05		Unknown-04 (4.07)	1.66	380	JB
06		Unknown-05 (4.07)	2.06	200	J
07		Unknown-06 (4.07)	2.31	3400	J
08		Unknown-07 (4.07)	2.46	110	J
09		Unknown-08 (4.07)	2.54	3500	J
10		Unknown-09 (4.07)	2.67	140	J
11		Unknown-10 (4.07)	2.73	88	J
12		Unknown-11 (4.07)	3.23	110	J
13		Unknown-12 (9.30)	10.77	230	J
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8090.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 6.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	180	U
108-95-2	Phenol	180	U
111-44-4	Bis(2-chloroethyl)ether	180	U
95-57-8	2-Chlorophenol	180	U
95-48-7	2-Methylphenol	180	U
108-60-1	2,2'-Oxybis(1-chloropropane)	180	U
98-86-2	Acetophenone	180	U
106-44-5	4-Methylphenol	180	U
621-64-7	N-Nitroso-di-n-propylamine	180	U
67-72-1	Hexachloroethane	180	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	180	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	Bis(2-chloroethoxy)methane	180	U
120-83-2	2,4-Dichlorophenol	180	U
91-20-3	Naphthalene	180	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	180	U
105-60-2	Caprolactam	180	U
59-50-7	4-Chloro-3-methylphenol	180	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	180	U
88-06-2	2,4,6-Trichlorophenol	180	U
95-95-4	2,4,5-Trichlorophenol	180	U
92-52-4	1,1'-Biphenyl	180	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	180	U
606-20-2	2,6-Dinitrotoluene	180	U
208-96-8	Acenaphthylene	180	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	180	U

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8090.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 6.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	350	U
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	180	U
121-14-2	2,4-Dinitrotoluene	180	U
84-66-2	Diethylphthalate	180	U
86-73-7	Fluorene	180	U
7005-72-3	4-Chlorophenyl-phenylether	180	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine (1)	180	U
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	180	U
1912-24-9	Atrazine	180	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	180	U
120-12-7	Anthracene	180	U
86-74-8	Carbazole	180	U
84-74-2	Di-n-butylphthalate	180	U
206-44-0	Fluoranthene	180	U
129-00-0	Pyrene	180	U
85-68-7	Butylbenzylphthalate	180	U
91-94-1	3,3'-Dichlorobenzidine	180	U
56-55-3	Benzo (a) anthracene	180	U
218-01-9	Chrysene	180	U
117-81-7	Bis(2-ethylhexyl)phthalate	180	U
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo (b) fluoranthene	180	U
207-08-9	Benzo (k) fluoranthene	180	U
50-32-8	Benzo (a) pyrene	180	U
193-39-5	Indeno (1,2,3-cd) pyrene	180	U
53-70-3	Dibenzo (a,h) anthracene	180	U
191-24-2	Benzo (g,h,i) perylene	180	U
58-90-2	2,3,4,6-Tetrachlorophenol	180	U

<sup>1</sup> Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
Sample wt/vol: 30.6 (g/mL) g Lab File ID: G8090.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 6.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.07)	1.15	60000	J
02	005076-19-7	Oxirane, trimethyl-	1.42	6400	JN
03		Unknown-02 (4.07)	1.66	210	JB
04		Unknown-03 (4.07)	2.17	110	J
05		Unknown-04 (4.07)	2.31	440	J
06		Unknown-05 (4.07)	2.54	410	J
07		Unknown-06 (4.07)	2.67	190	J
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	90	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8091.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 7.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	180	U
108-95-2	Phenol	180	U
111-44-4	Bis(2-chloroethyl)ether	180	U
95-57-8	2-Chlorophenol	180	U
95-48-7	2-Methylphenol	180	U
108-60-1	2,2'-Oxybis(1-chloropropane)	180	U
98-86-2	Acetophenone	180	U
106-44-5	4-Methylphenol	180	U
621-64-7	N-Nitroso-di-n-propylamine	180	U
67-72-1	Hexachloroethane	180	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	180	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	Bis(2-chloroethoxy)methane	180	U
120-83-2	2,4-Dichlorophenol	180	U
91-20-3	Naphthalene	180	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	180	U
105-60-2	Caprolactam	180	U
59-50-7	4-Chloro-3-methylphenol	180	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	180	U
88-06-2	2,4,6-Trichlorophenol	180	U
95-95-4	2,4,5-Trichlorophenol	180	U
92-52-4	1,1'-Biphenyl	180	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	180	U
606-20-2	2,6-Dinitrotoluene	180	U
208-96-8	Acenaphthylene	180	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	180	U

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

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8091.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 7.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	350	U
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	180	U
121-14-2	2,4-Dinitrotoluene	180	U
84-66-2	Diethylphthalate	180	U
86-73-7	Fluorene	180	U
7005-72-3	4-Chlorophenyl-phenylether	180	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine (1)	180	U
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	180	U
1912-24-9	Atrazine	180	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	180	U
120-12-7	Anthracene	180	U
86-74-8	Carbazole	180	U
84-74-2	Di-n-butylphthalate	180	U
206-44-0	Fluoranthene	180	U
129-00-0	Pyrene	180	U
85-68-7	Butylbenzylphthalate	180	U
91-94-1	3,3'-Dichlorobenzidine	180	U
56-55-3	Benzo (a) anthracene	180	U
218-01-9	Chrysene	180	U
117-81-7	Bis(2-ethylhexyl)phthalate	180	U
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo (b) fluoranthene	180	U
207-08-9	Benzo (k) fluoranthene	180	U
50-32-8	Benzo (a) pyrene	180	U
193-39-5	Indeno (1,2,3-cd) pyrene	180	U
53-70-3	Dibenzo (a,h) anthracene	180	U
191-24-2	Benzo (g,h,i) perylene	180	U
58-90-2	2,3,4,6-Tetrachlorophenol	180	U

<sup>1</sup> Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8091.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 7.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.07)	1.12	380	JB
02	Unknown-02 (4.07)	1.15	76000	J
03	005076-19-7 Oxirane, trimethyl-	1.42	9300	JN
04	Unknown-03 (4.07)	1.66	190	JB
05	Unknown-04 (4.07)	2.18	120	J
06	Unknown-05 (4.07)	2.31	260	J
07	Unknown-06 (4.07)	2.54	240	J
08	Unknown-07 (4.07)	2.67	250	J
09				
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30				
E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8092.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	370	U
83-32-9	Acenaphthene	190	U

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

EPA SAMPLE NO.

B7LY3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8092.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	370	U
100-02-7	4-Nitrophenol	370	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	370	U
534-52-1	4,6-Dinitro-2-methylphenol	370	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	190	U
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	1500	U
129-00-0	Pyrene	190	U
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	190	U
218-01-9	Chrysene	190	U
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	1300	U
207-08-9	Benzo (k) fluoranthene	190	U
50-32-8	Benzo (a) pyrene	190	U
193-39-5	Indeno (1,2,3-cd) pyrene	970	U
53-70-3	Dibenzo (a,h) anthracene	190	U
191-24-2	Benzo (g,h,i) perylene	810	U
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8092.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.37	680	J
02		Unknown-02 (4.08)	1.42	730	J
03	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	710	JN
04	001569-50-2	3-Penten-2-ol	1.66	1300	JBN
05	000107-39-1	1-Pentene, 2,4,4-trimethyl-	1.80	520	JN
06		Unknown-03 (4.08)	2.31	2100	J
07		Unknown-04 (4.08)	2.78	3800	J
08		Unknown-05 (4.08)	4.19	450	J
09	013605-19-1	Ethanol, 2-(3-methylphenoxy)	6.38	370	JN
10		Unknown-06 (7.54)	7.07	340	J
11		Unknown-07 (7.54)	7.16	560	J
12		Unknown-08 (7.54)	7.40	1200	J
13		Unknown-09 (7.54)	7.43	480	J
14		Unknown-10 (7.54)	7.48	1100	J
15		Unknown-11 (7.54)	7.83	1100	J
16		Unknown-12 (7.54)	7.88	720	J
17		Unknown-13 (7.54)	7.91	1100	J
18		Unknown-14 (7.54)	8.00	1500	J
19		Unknown-15 (7.54)	8.24	11000	J
20		Unknown-16 (9.34)	9.73	750	J
21		Unknown-17 (12.62)	11.18	750	J
22		Unknown-18 (14.77)	15.16	750	J
23		Unknown-19 (14.77)	17.07	360	J
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	2300	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8093.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 15.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	200	U

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

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8093.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 15.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	120	J
218-01-9	Chrysene	130	J
117-81-7	Bis(2-ethylhexyl)phthalate	200	U J
117-84-0	Di-n-octylphthalate	200	U J
205-99-2	Benzo (b) fluoranthene	160	J
207-08-9	Benzo (k) fluoranthene	91	J
50-32-8	Benzo (a) pyrene	120	J
193-39-5	Indeno (1,2,3-cd) pyrene	110	J
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	100	J
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8093.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 15.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	005076-19-7	Oxirane, trimethyl-	1.42	8700	JN
02	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	1300	JN
03		Unknown-01 (4.07)	1.66	1000	JB
04		Unknown-02 (4.07)	2.06	95	J
05		Unknown-03 (4.07)	2.15	98	J
06		Unknown-04 (4.07)	2.26	85	J
07		Unknown-05 (4.07)	2.31	2400	J
08		Unknown-06 (4.07)	2.55	1800	J
09		Unknown-07 (4.07)	2.67	270	J
10		Unknown-08 (4.07)	2.73	100	J
11		Unknown-09 (4.07)	2.91	120	J
12		Unknown-10 (4.07)	4.16	93	J
13		Unknown-11 (7.54)	8.22	120	J
14		Unknown-12 (9.30)	8.90	84	J
15		Unknown-13 (9.30)	9.63	560	J
16		Unknown-14 (9.30)	9.93	85	J
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	78	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8094.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	310	
108-95-2	Phenol	320	
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	140	J
108-60-1	2,2'-Oxybis(1-chloropropane)	1100	
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	200	U

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8094.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	230	
129-00-0	Pyrene	210	
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	180	J
218-01-9	Chrysene	220	
117-81-7	Bis(2-ethylhexyl)phthalate	200	U 5
117-84-0	Di-n-octylphthalate	200	U 5
205-99-2	Benzo (b) fluoranthene	280	
207-08-9	Benzo (k) fluoranthene	160	J
50-32-8	Benzo (a) pyrene	220	
193-39-5	Indeno (1,2,3-cd) pyrene	220	
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	190	J
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

<sup>1</sup>Cannot be separated from Diphenylamine.

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

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
Sample wt/vol: 30.2 (g/mL) g Lab File ID: G8094.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 14.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: / 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.15	30000	J
02		Unknown-02 (4.08)	1.37	5300	J
03	005076-19-7	Oxirane, trimethyl-	1.42	6000	JN
04	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	1200	JN
05	001569-50-2	3-Penten-2-ol	1.66	990	JBN
06		Unknown-03 (4.08)	1.94	3000	J
07		Unknown-04 (4.08)	2.31	760	J
08		Unknown-05 (4.08)	2.55	570	J
09	000089-98-5	Benzaldehyde, 2-chloro-	4.95	1700	JN
10	017849-38-6	Benzenemethanol, 2-chloro-	5.67	3700	JN
11	004792-15-8	Pentaethylene glycol	9.18	2600	JN
12		Unknown-06 (9.30)	9.63	790	J
13	003055-93-4	Diethylene glycol monododec.	9.71	620	JN
14	021964-51-2	1,15-Hexadecadiene	10.53	3800	JN
15		Unknown-07 (9.30)	10.62	2400	J
16	001871-38-1	4-Chlorobenzoic acid, pheny.	11.16	470	JN
17	038152-44-2	1,2-Bis(4-chlorophenyl)etha.	11.43	24000	JN
18	002615-15-8	Hexagol (02)	11.77	710	JN
19	002615-15-8	Hexagol (03)	11.86	1100	JN
20		Unknown-08 (12.52)	12.20	770	J
21	002315-62-0	Ethanol, 2-[2-[2-[4-(1,1,3,.	12.26	520	JN
22		Unknown-09 (12.52)	12.90	690	J
23	002615-15-8	Hexagol (04)	13.04	730	JN
24		Unknown-10 (12.52)	13.39	490	J
25		Unknown-11 (12.52)	13.51	630	J
26		Unknown-12 (14.66)	14.26	710	J
27		Unknown-13 (14.66)	15.08	690	J
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

000000521  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8095.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 3.7 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	170	U

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8095.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 3.7 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 5.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	340	U
100-02-7	4-Nitrophenol	340	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	340	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U 5
117-84-0	Di-n-octylphthalate	170	U 5
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
Sample wt/vol: 30.4 (g/mL) g Lab File ID: G8095.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 3.7 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.40	2300	J
02	005076-19-7	Oxirane, trimethyl-	1.42	3900	JN
03	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	200	JN
04		Unknown-02 (4.08)	1.66	330	JB
05		Unknown-03 (4.08)	1.94	83	J
06		Unknown-04 (4.08)	2.31	170	J
07		Unknown-05 (4.08)	2.47	100	J
08		Unknown-06 (4.08)	2.55	120	J
09		Unknown-07 (4.08)	2.67	150	J
10		Unknown-08 (4.08)	3.62	86	J
11	000104-88-1	Benzaldehyde, 4-chloro-	4.95	69	JN
12	000065-85-0	Benzoic acid	5.21	620	JN
13	017849-38-6	Benzenemethanol, 2-chloro-	5.65	77	JN
14	000140-66-9	Phenol, 4-(1,1,3,3-tetramet.	8.22	130	JN
15		Unknown-09 (9.30)	9.63	120	J
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	77	J

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8096.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 20.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	210	U

000000596  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8096.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 20.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	N-Nitrosodiphenylamine (1)	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	11	J
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	210	U
129-00-0	Pyrene	210	U
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo (a) anthracene	210	U
218-01-9	Chrysene	210	U
117-81-7	Bis(2-ethylhexyl)phthalate	210	U J
117-84-0	Di-n-octylphthalate	210	U J
205-99-2	Benzo (b) fluoranthene	210	U
207-08-9	Benzo (k) fluoranthene	210	U
50-32-8	Benzo (a) pyrene	210	U
193-39-5	Indeno (1,2,3-cd) pyrene	210	U
53-70-3	Dibenzo (a,h) anthracene	210	U
191-24-2	Benzo (g,h,i) perylene	210	U
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

<sup>1</sup> Cannot be separated from Diphenylamine

000000597  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8096.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 20.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.15	40000	J
02	Unknown-02 (4.08)	1.37	4900	J
03	Unknown-03 (4.08)	1.40	3400	J
04	Unknown-04 (4.08)	1.42	7800	J
05	Unknown-05 (4.08)	1.56	720	J
06	000814-78-8 3-Buten-2-one, 3-methyl-	1.61	1100	JN
07	Unknown-06 (4.08)	1.66	1100	JB
08	Unknown-07 (4.08)	2.31	480	J
09	Unknown-08 (4.08)	2.55	290	J
10	Unknown-09 (7.54)	7.16	310	J
11	080655-44-3 Decahydro-4,4,8,9,10-pentam.	7.40	990	JN
12	Unknown-10 (7.54)	7.47	330	J
13	Unknown-11 (7.54)	7.60	260	J
14	Unknown-12 (7.54)	7.86	300	J
15	Unknown-13 (7.54)	7.93	1200	J
16	Unknown-14 (7.54)	7.97	360	J
17	Unknown-15 (7.54)	8.01	1400	J
18	Unknown-16 (7.54)	8.07	500	J
19	Unknown-17 (9.31)	9.95	1700	J
20	Unknown-18 (14.68)	14.61	820	J
21	Unknown-19 (14.68)	14.86	1100	J
22	Unknown-20 (14.68)	15.45	950	J
23	036728-72-0 28-Nor-17.beta.(H)-hopane (0	15.67	1200	JN
24	Unknown-21 (14.68)	16.24	2200	J
25	Unknown-22 (14.68)	16.94	560	J
26				
27				
28				
29				
30				
	E966796 <sup>2</sup> Total Alkanes	N/A	1000	J

<sup>2</sup>EPA-designated Registry Number.

000000598  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8097.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.6 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

000000637  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8097.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 14.6 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	840	
120-12-7	Anthracene	190	
86-74-8	Carbazole	60	J
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	740	
218-01-9	Chrysene	730	
117-81-7	Bis(2-ethylhexyl)phthalate	24	✓ 5
117-84-0	Di-n-octylphthalate	190	U 5
205-99-2	Benzo (b) fluoranthene	750	
207-08-9	Benzo (k) fluoranthene	510	
50-32-8	Benzo (a) pyrene	660	
193-39-5	Indeno (1,2,3-cd) pyrene	540	
53-70-3	Dibenzo (a,h) anthracene	110	J
191-24-2	Benzo (g,h,i) perylene	450	
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup> Cannot be separated from Diphenylamine

000000638  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8097.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 14.6 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.15	55000	J
02	000115-18-4	3-Buten-2-ol, 2-methyl-	1.37	8000	JN
03		Unknown-02 (4.08)	1.42	7400	J
04	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	1700	JN
05	001569-50-2	3-Penten-2-ol	1.66	1400	JBN
06		Unknown-03 (4.08)	2.06	630	J
07		Unknown-04 (4.08)	2.31	1500	J
08		Unknown-05 (4.08)	2.55	1100	J
09		Unknown-06 (4.08)	2.67	280	J
10		Unknown-07 (4.08)	2.73	270	J
11	000089-98-5	Benzaldehyde, 2-chloro-	4.95	320	JN
12	000140-66-9	Phenol, 4-(1,1,3,3-tetramet.	8.22	9100	JN
13		Unknown-08 (9.30)	8.56	370	J
14		Unknown-09 (9.30)	9.44	350	J
15		Unknown-10 (9.30)	9.92	250	J
16	000779-02-2	Anthracene, 9-methyl- (02)	9.95	340	JN
17		Unknown-11 (9.30)	10.06	440	J
18	000243-17-4	11H-Benzo[b]fluorene	11.33	260	JN
19	000238-84-6	11H-Benzo[a]fluorene (01)	11.46	570	JN
20	000238-84-6	11H-Benzo[a]fluorene (02)	11.53	240	JN
21	003442-78-2	Pyrene, 2-methyl-	11.58	260	JN
22	000479-79-8	11H-Benzo[a]fluoren-11-one	12.08	240	JN
23	000239-35-0	Benzo[b]naphtho[2,1-d]thiop.	12.21	320	JN
24		Unknown-12 (12.52)	12.26	350	J
25	003351-28-8	Chrysene, 1-methyl-	13.06	300	JN
26		Unknown-13 (14.66)	14.21	400	J
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

000000539  
SOM01.2 (6/2007)

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8098.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	370	U
83-32-9	Acenaphthene	190	U

000000685  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8098.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
51-28-5	2,4-Dinitrophenol	370	U
100-02-7	4-Nitrophenol	370	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	370	U
534-52-1	4,6-Dinitro-2-methylphenol	370	U
86-30-6	N-Nitrosodiphenylamine (1)	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	510	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	950	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo (a) anthracene	500	
218-01-9	Chrysene	480	
117-81-7	Bis(2-ethylhexyl)phthalate	190	U
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo (b) fluoranthene	460	
207-08-9	Benzo (k) fluoranthene	320	
50-32-8	Benzo (a) pyrene	430	
193-39-5	Indeno (1,2,3-cd) pyrene	380	
53-70-3	Dibenzo (a,h) anthracene	84	J
191-24-2	Benzo (g,h,i) perylene	300	
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

<sup>1</sup>Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
Sample wt/vol: 30.7 (g/mL) g Lab File ID: G8098.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 12.9 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0  
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (4.08)	1.42	6600	J
02	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	1100	JN
03		Unknown-02 (4.08)	1.66	1200	JB
04		Unknown-03 (4.08)	2.06	290	J
05		Unknown-04 (4.08)	2.25	140	J
06		Unknown-05 (4.08)	2.31	1400	J
07		Unknown-06 (4.08)	2.55	1000	J
08		Unknown-07 (4.08)	2.67	180	J
09		Unknown-08 (4.08)	2.73	160	J
10		Unknown-09 (9.30)	9.92	170	J
11	000613-12-7	Anthracene, 2-methyl-	9.95	210	JN
12		Unknown-10 (9.30)	10.06	320	J
13		Unknown-11 (9.30)	10.29	130	J
14	000084-65-1	9,10-Anthracenedione	10.31	130	JN
15	000243-17-4	11H-Benzo[b]fluorene (01)	11.34	170	JN
16	000243-17-4	11H-Benzo[b]fluorene (02)	11.46	390	JN
17	003442-78-2	Pyrene, 2-methyl-	11.58	160	JN
18	002381-21-7	Pyrene, 1-methyl-	11.73	130	JN
19	000479-79-8	11H-Benzo[a]fluorene-11-one	12.08	150	JN
20	000239-35-0	Benzo[b]naphtho[2,1-d]thiop.	12.21	230	JN
21	000203-12-3	Benzo[ghi]fluoranthene	12.26	260	JN
22	003351-28-8	Chrysene, 1-methyl-	13.06	250	JN
23	000192-97-2	Benzo[e]pyrene	14.20	180	JN
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A		

<sup>2</sup>EPA-designated Registry Number.

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 30.9 (g/mL) g Lab File ID: G8099.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 9.2 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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	180	U
108-95-2	Phenol	180	U
111-44-4	Bis(2-chloroethyl)ether	180	U
95-57-8	2-Chlorophenol	180	U
95-48-7	2-Methylphenol	180	U
108-60-1	2,2'-Oxybis(1-chloropropane)	180	U
98-86-2	Acetophenone	180	U
106-44-5	4-Methylphenol	180	U
621-64-7	N-Nitroso-di-n-propylamine	180	U
67-72-1	Hexachloroethane	180	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	180	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	Bis(2-chloroethoxy)methane	180	U
120-83-2	2,4-Dichlorophenol	180	U
91-20-3	Naphthalene	180	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	180	U
105-60-2	Caprolactam	180	U
59-50-7	4-Chloro-3-methylphenol	180	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	180	U
88-06-2	2,4,6-Trichlorophenol	180	U
95-95-4	2,4,5-Trichlorophenol	180	U
92-52-4	1,1'-Biphenyl	180	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	180	U
606-20-2	2,6-Dinitrotoluene	180	U
208-96-8	Acenaphthylene	180	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	180	U

000000730  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 30.9 (g/mL) g Lab File ID: G8099.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 9.2 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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
51-28-5	2,4-Dinitrophenol	350	U
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	180	U
121-14-2	2,4-Dinitrotoluene	180	U
84-66-2	Diethylphthalate	180	U
86-73-7	Fluorene	180	U
7005-72-3	4-Chlorophenyl-phenylether	180	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine (1)	180	U
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	180	U
1912-24-9	Atrazine	180	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	41	J
120-12-7	Anthracene	180	U
86-74-8	Carbazole	180	U
84-74-2	Di-n-butylphthalate	180	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	180	U
91-94-1	3,3'-Dichlorobenzidine	180	U
56-55-3	Benzo (a) anthracene	92	J
218-01-9	Chrysene	140	J
117-81-7	Bis(2-ethylhexyl)phthalate	180	U
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo (b) fluoranthene	190	
207-08-9	Benzo (k) fluoranthene	170	J
50-32-8	Benzo (a) pyrene	130	J
193-39-5	Indeno (1,2,3-cd) pyrene	140	J
53-70-3	Dibenzo (a,h) anthracene	36	J
191-24-2	Benzo (g,h,i) perylene	130	J
58-90-2	2,3,4,6-Tetrachlorophenol	180	U

<sup>1</sup>Cannot be separated from Diphenylamine

000000731  
SOM01.2 (8/2007)

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

EPA SAMPLE NO.

B7LZ0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
Sample wt/vol: 30.9 (g/mL) g Lab File ID: G8099.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type): SONC  
% Moisture: 9.2 Decanted: (Y/N) N Date Received: 12/18/2009  
Concentrated Extract Volume: 500 (uL) Date Extracted: 12/24/2009  
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 01/08/2010  
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 (4.08)	1.42	6000	J
02	000814-78-8	3-Buten-2-one, 3-methyl-	1.61	590	JN
03		Unknown-02 (4.08)	1.66	610	JB
04		Unknown-03 (4.08)	2.26	83	J
05		Unknown-04 (4.08)	2.31	610	J
06		Unknown-05 (4.08)	2.55	450	J
07		Unknown-06 (4.08)	2.67	140	J
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 <sup>2</sup>	Total Alkanes	N/A	77	J

<sup>2</sup>EPA-designated Registry Number.

000000732  
SOM01.2 (8/2007)

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-01  
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: F18777.D  
 % Moisture: 13.2 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	37	U J
11104-28-2	AR1221	37	U
11141-16-5	AR1232	37	U
53469-21-9	AR1242	37	U
12672-29-6	AR1248	37	U
11097-69-1	AR1254	37	U
11096-82-5	AR1260	37	U J
37324-23-5	AR1262	37	U
11100-14-4	AR1268	37	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-02  
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18801.D  
 % Moisture: 6.3 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	35	U
11104-28-2	AR1221	35	U
11141-16-5	AR1232	35	U
53469-21-9	AR1242	35	U
12672-29-6	AR1248	35	U
11097-69-1	AR1254	35	U
11096-82-5	AR1260	35	U
37324-23-5	AR1262	35	U
11100-14-4	AR1268	35	U

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SOM01.2 (8/2007)

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-03  
 Sample wt/vol: 30.5 (g/mL) g Lab File ID: F18802.D  
 % Moisture: 7.3 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 6.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	35	U
11104-28-2	AR1221	35	U
11141-16-5	AR1232	35	U
53469-21-9	AR1242	35	U
12672-29-6	AR1248	35	U
11097-69-1	AR1254	35	U
11096-82-5	AR1260	35	U
37324-23-5	AR1262	35	U
11100-14-4	AR1268	35	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-04  
Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18794.D  
% Moisture: 11.8 Decanted: (Y/N) N Date Received: 12/18/2009  
Extraction: (Type) SONC Date Extracted: 12/23/2009  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 4.9 Sulfur Cleanup: (Y/N) N  
ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg ug/kg	Q
12674-11-2	AR1016	37	U 5
11104-28-2	AR1221	37	U 1
11141-16-5	AR1232	37	U 1
53469-21-9	AR1242	37	U 1
12672-29-6	AR1248	37	U 1
11097-69-1	AR1254	37	U 1
11096-82-5	AR1260	37	U 1
37324-23-5	AR1262	37	U 1
11100-14-4	AR1268	37	U 3

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SOM01.2 (8/2007)

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-05  
Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18797.D  
% Moisture: 15.3 Decanted: (Y/N) N Date Received: 12/18/2009  
Extraction: (Type) SONC Date Extracted: 12/23/2009  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-06  
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18804.D  
 % Moisture: 14.9 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.5 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:          SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-07  
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: F18803.D  
 % Moisture: 3.7 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.9 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	34	U
11104-28-2	AR1221	34	U
11141-16-5	AR1232	34	U
53469-21-9	AR1242	34	U
12672-29-6	AR1248	34	U
11097-69-1	AR1254	34	U
11096-82-5	AR1260	34	U
37324-23-5	AR1262	34	U
11100-14-4	AR1268	34	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-08  
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: F18800.D  
 % Moisture: 20.9 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	41	U
11104-28-2	AR1221	41	U
11141-16-5	AR1232	41	U
53469-21-9	AR1242	41	U
12672-29-6	AR1248	41	U
11097-69-1	AR1254	41	U
11096-82-5	AR1260	41	U
37324-23-5	AR1262	41	U
11100-14-4	AR1268	41	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-09  
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18795.D  
 % Moisture: 14.6 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg ug/kg	Q
12674-11-2	AR1016	39	U
11104-28-2	AR1221	39	U
11141-16-5	AR1232	39	U
53469-21-9	AR1242	39	U
12672-29-6	AR1248	39	U
11097-69-1	AR1254	39	U
11096-82-5	AR1260	39	U
37324-23-5	AR1262	39	U
11100-14-4	AR1268	39	U

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7LY9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.: SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-10  
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F18796.D  
 % Moisture: 12.9 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 7.1 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	38	U
11104-28-2	AR1221	38	U
11141-16-5	AR1232	38	U
53469-21-9	AR1242	38	U
12672-29-6	AR1248	38	U
11097-69-1	AR1254	38	U
11096-82-5	AR1260	38	U
37324-23-5	AR1262	38	U
11100-14-4	AR1268	38	U

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SOM01.2 (8/2007)

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7L20

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036  
 Lab Code: A4 Case No.: 39334 Mod. Ref No.:            SDG No.: B7LY0  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0011448-11  
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F18799.D  
 % Moisture: 9.2 Decanted: (Y/N) N Date Received: 12/18/2009  
 Extraction: (Type) SONC Date Extracted: 12/23/2009  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/08/2010  
 Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 5.9 Sulfur Cleanup: (Y/N) N  
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L or ug/kg ug/kg	Q
12674-11-2	AR1016	36	U
11104-28-2	AR1221	36	U
11141-16-5	AR1232	36	U
53469-21-9	AR1242	36	U
12672-29-6	AR1248	36	U
11097-69-1	AR1254	36	U
11096-82-5	AR1260	36	U
37324-23-5	AR1262	36	U
11100-14-4	AR1268	36	U