US EPA RECORDS CENTER REGION 5
411672

N
2/7/11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY ~ REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: 65271 CERCLIS No: FLD048843809

Case No: 40949 Site Name/Location: Chemetco (IL)

Contractor or EPA Lab: MS Laboratory Data User: Seagull

No. of Samples: 10 Date Sampled or Date Received: 24 JAN 2011

Have Chain-of-Custody records been received? Yes X No_____
Have traffic reports or packing lists been received? Yes X No _____
If no, are traffic reports or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____
_____ _____ _____ _____

Are basic data forms in? Yes X No____
No of samples claimed: 10 No. of samples received:_____

Received by: [illegible] Date: 24 JAN 2011

Reviewed by LSSS: [illegible] Date: 25 JAN 2011

Review started: 1/28/11 Reviewer Signature: [illegible]

Total time spent on review: 13 Date review completed: 2/4/11

Copied by: A. C. Harvey Date: Feb 7, 2011

Mailed to user by: [illegible] Date: 8 FEB 2011

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: _____ Date:_____

Data review received by: _____ Date:_____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] T if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] T if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] T if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] T if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Date:_____

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK75

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201675

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK02BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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					
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[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK75

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201675

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK02BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
[illegible]66-2	Diethylphthalate	5.0	U
[illegible]-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	0.16	J
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	0.34	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
[illegible]-08-9	Benzo(k)fluoranthene	5.0	U
[illegible]-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.32	J
53-70-3	Dibenzo(a,h)anthracene	0.28	J
191-24-2	Benzo(g,h,i)perylene	0.39	J
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK75

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201675

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK02BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	0.34	J
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	0.15	J
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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK39

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201739

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK03BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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					
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[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK39

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201739

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK03BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	0.20	J
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	0.44	J
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK39

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 201739

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK03BLK

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	3.1	J
108-95-2	Phenol	0.23	J
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	5.0	U
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	1.9	J
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
[illegible]-74-4	2-Nitroaniline	10.	U
[illegible]-11-3	Dimethylphthalate	5.0	U
[illegible]06-20-2	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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 950. (g/mL) mL Lab File ID: DGK10C12

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~2306-33-4~~	~~Phthalic acid, monoethyl ester~~	19.16	Unknown 1 18.	~~JN~~ U FB
02	~~85-44-9~~	~~Phthalic anhydride~~	24.71	Unknown 2 18.	~~JN~~ U FB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 950. (g/mL) mL Lab File ID: DGK10C12

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	11.	U
100-02-7	4-Nitrophenol	11.	U
132-64-9	Dibenzofuran	5.3	U
[illegible]1-14-2	2,4-Dinitrotoluene	5.3	U
[illegible]-66-2	Diethylphthalate	5.3 ~~0.17~~	~~J~~ U
86-73-7	Fluorene	5.3	U
7005-72-3	4-Chlorophenyl-phenylether	5.3	U
100-01-6	4-Nitroaniline	11.	U
534-52-1	4,6-Dinitro-2-methylphenol	11.	U
86-30-6	N-Nitrosodiphenylamine[1]	5.3	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.17	J
101-55-3	4-Bromophenyl-phenylether	5.3	U
118-74-1	Hexachlorobenzene	5.3	U
1912-24-9	Atrazine	5.3	U
87-86-5	Pentachlorophenol	11.	U
85-01-8	Phenanthrene	5.3	U
120-12-7	Anthracene	5.3	U
86-74-8	Carbazole	5.3	U
84-74-2	Di-n-butylphthalate	5.3 ~~0.23~~	~~JB~~ U
206-44-0	Fluoranthene	5.3	U
129-00-0	Pyrene	5.3	U
85-68-7	Butylbenzylphthalate	5.3	U
91-94-1	3,3'-Dichlorobenzidine	5.3	U
56-55-3	Benzo(a)anthracene	5.3	U
218-01-9	Chrysene	5.3	U
117-81-7	Bis(2-ethylhexyl)phthalate	27 ~~0.31~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	5.3	U
[illegible]05-99-2	Benzo(b)fluoranthene	5.3	U
[illegible]7-08-9	Benzo(k)fluoranthene	5.3	U
[illegible]0-32-8	Benzo(a)pyrene	5.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.3	U
53-70-3	Dibenzo(a,h)anthracene	5.3	U
191-24-2	Benzo(g,h,i)perylene	5.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.3	U

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 950. (g/mL) mL Lab File ID: DGK10C12

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~2.5~~ 5.3	~~JB~~ U
108-95-2	Phenol	~~32~~ 5.3	~~J~~ U
111-44-4	Bis(2-chloroethyl)ether	5.3	U
95-57-8	2-Chlorophenol	5.3	U
95-48-7	2-Methylphenol	5.3	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.3	U
98-86-2	Acetophenone	~~5~~ 5.3	~~JB~~ U
106-44-5	4-Methylphenol	5.3	U
621-64-7	N-Nitroso-di-n-propylamine	5.3	U
67-72-1	Hexachloroethane	5.3	U
98-95-3	Nitrobenzene	5.3	U
78-59-1	Isophorone	5.3	U
88-75-5	2-Nitrophenol	5.3	U
105-67-9	2,4-Dimethylphenol	5.3	U
111-91-1	Bis(2-chloroethoxy)methane	5.3	U
120-83-2	2,4-Dichlorophenol	5.3	U
91-20-3	Naphthalene	5.3	U
106-47-8	4-Chloroaniline	5.3	U
87-68-3	Hexachlorobutadiene	5.3	U
105-60-2	Caprolactam	5.3	U
59-50-7	4-Chloro-3-methylphenol	5.3	U
91-57-6	2-Methylnaphthalene	5.3	U
77-47-4	Hexachlorocyclopentadiene	5.3	U
88-06-2	2,4,6-Trichlorophenol	5.3	U
95-95-4	2,4,5-Trichlorophenol	5.3	U
92-52-4	1,1'-Biphenyl	5.3	U
91-58-7	2-Chloronaphthalene	5.3	U
88-74-4	2-Nitroaniline	11.	U
131-11-3	Dimethylphthalate	5.3	U
606-20-2	2,6-Dinitrotoluene	5.3	U
208-96-8	Acenaphthylene	5.3	U
99-09-2	3-Nitroaniline	11.	U
83-32-9	Acenaphthene	5.3	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK14C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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	95-16-9	Benzothiazole	6.65	5.1	~~JN~~ U FB
02	~~1000140-77-5~~	~~Pentanoic acid, 2,2,4-trimethyl-3-carbox~~	9.73	Unknown / 3.9	~~JN~~
03					
04					
05					
06					
07					
08					
09					
10					
11					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK14C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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
FB 84-66-2	Diethylphthalate	5.0 ~~1.8~~	~~J~~ 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
MB 84-74-2	Di-n-butylphthalate	5.0 ~~0.77~~	~~JB~~ U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
FB 85-68-7	Butylbenzylphthalate	5.0 ~~0.18~~	~~J~~ 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	0.24	J
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

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK14C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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 ~~3.5~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.71~~	~~JB~~ U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	5.0	U
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0 ~~2.5~~	~~JB~~ 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 ~~0.58~~	~~J~~ 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
[illegible]-74-4	2-Nitroaniline	10.	U
[illegible]-11-3	Dimethylphthalate	5.0	U
[illegible]06-20-2	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

CF 2/1/11

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

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK09C09

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	95-16-9	Benzothiazole	6.65	6.1	JN
.50 02	~~74367-33-2~~	~~Propanoic acid, 2-methyl-, 2,2-dimethyl-~~	7.66	Unknown 1 2.2	JN
03	74367-34-3	Propanoic acid, 2-methyl-, 3-hydroxy-2,4	7.83	2.6	JN
04	134-62-3	Diethyltoluamide	9.67	3.3	JN
05	~~2306-33-4~~	~~Phthalic acid, monoethyl ester~~	19.16	Unknown 2 18.	JN
.14 06	~~1000335-93-0~~	~~Picolinyl 8-(5-hexyl-2-furyl)-octanoate~~	24.72	Unknown 3 18.	JN
07					
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25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

OK 2/2/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK09C09

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
[illegible]1-14-2	2,4-Dinitrotoluene	5.0	U
[illegible]-66-2	Diethylphthalate	3.5	J
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 ~~1.2~~	~~JB~~ U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	0.25	J
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	25 ~~0.22~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	5.0	U
[illegible]5-99-2	Benzo(b)fluoranthene	5.0	U
[illegible]7-08-9	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

[1]Cannot be separated from Diphenylamine

CR 1

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK09C09

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~3.8~~	~~JB~~ U
108-95-2	Phenol	0.34	J
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 ~~2.2~~	~~JB~~ 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	2.0	J
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	0.27	J
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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK08C08

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~1000130-68-7~~	~~Methyl octyl ether~~	6.55	Unknown 1	2.5	~~JN~~	
02	~~1633-78-9~~	~~1-Hexanol, 6-mercapto-~~	6.72	Unknown 2	3.0	~~JN~~	
03	2048-46-1	.alpha.,.alpha.,.alpha.',.alpha.'-Tetram	8.60		3.2	JN	
04	~~922-17-8~~	~~1,1'-Methylenebis(3-methylpiperidine)~~	14.63	Unknown 3	2.1	~~JN~~	
05	~~1000319-57-2~~	~~2-Thiazolamine, 4-(4-methoxyphenyl)-N-(4~~	19.16	Unknown 4	21.	~~JN~~ U	FB
06	~~85-44-9~~	~~Phthalic anhydride~~	24.73	Unknown 5	21.	~~JN~~ U	FB
07							
08							
09							
10							
11							
12							
13							
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26							
27							
28							
29							
30							
	E966796[2]	Total Alkanes	N/A				

[2]EPA-designated Registry Number.

CK 2/1/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK08C08

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~0.24~~	~~JB~~ 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	25 ~~0.15~~	~~JB~~ 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

[1]Cannot be separated from Diphenylamine

MB

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1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK08C08

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~2.9~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.28~~	~~J~~ U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	5.0	U
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0 ~~1.6~~	~~JB~~ 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
[illegible]8-74-4	2-Nitroaniline	10.	U
[illegible]1-11-3	Dimethylphthalate	5.0	U
[illegible]06-20-2	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

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MSD

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504003

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK13M03

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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	39.	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	38.	
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	40.	
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 ~~0.19~~	~~JB~~ U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	44.	
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	0.35	J

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MSD

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504003

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK13M03

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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	~~3.1~~ 5.0	~~JB~~ U
108-95-2	Phenol	28.	B
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	28.	
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	~~1.8~~ 5.0	~~JB~~ U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	34.	
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	34.	
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
[illegible]-74-4	2-Nitroaniline	10.	U
[illegible]-11-3	Dimethylphthalate	5.0	U
[illegible]06-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10.	U
83-32-9	Acenaphthene	36.	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MS

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504002

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK12M02

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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	34.	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	33.	
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	33.	
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	35.	
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	0.30	J

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MS

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504002

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK12M02

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/18/2011

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 ~~3.5~~	~~JB~~ U
108-95-2	Phenol	30.	B
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	29.	
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 ~~1.9~~	~~JB~~ U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	34.	
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	31.	
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	31.	

UR 2/11/11

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

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK11C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~5464-60-8~~	~~N,N'-Bis(2-hydroxy-alpha-methylbenzylide~~	19.15	Unknown 2.5	~~JN~~ U
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[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK11C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
[illegible]-66-2	Diethylphthalate	5.0	U
[illegible]6-73-7	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
MB 84-74-2	Di-n-butylphthalate	5.0 ~~0.22~~	~~JB~~ 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
B 117-81-7	Bis(2-ethylhexyl)phthalate	25 ~~0.21~~	~~J~~ U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
[illegible]7-08-9	Benzo(k)fluoranthene	5.0	U
[illegible]-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

[1]Cannot be separated from Diphenylamine

9/2/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101504001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK11C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/15/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/15/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~3.1~~ 5.0	~~JB~~ U
108-95-2	Phenol	~~0.26~~ 5.0	~~JB~~ 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	~~1.8~~ 5.0	~~JB~~ 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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK07C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~23667-32-5~~	~~Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenz~~	19.16	Unknown 1 19.	~~JN~~ U	FB
02	~~85-44-9~~	~~Phthalic anhydride~~	24.72	Unknown 2 18.	~~JN~~ U	FB
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
	E966796[2]	Total Alkanes	N/A			

[2]EPA-designated Registry Number.

CA 2/1/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK07C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~0.19~~	~~JB~~ 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

[1]Cannot be separated from Diphenylamine

MB

CF1

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK07C04

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~3.2~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.23~~	~~J~~ U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	5.0	U
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0 ~~1.1~~	~~JB~~ 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
[illegible]-74-4	2-Nitroaniline	10.	U
[illegible]-11-3	Dimethylphthalate	5.0	U
[illegible]06-20-2	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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK06C03

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~1559-35-9~~	~~Ethanol, 2-[(2-ethylhexyl)oxy]-~~	6.53	Unknown 1	2.8	~~JN~~
02	~~20548-62-3~~	~~Phthalic acid, bis(7-methyloctyl) ester~~	16.86	Unknown 2	2.1	~~JN~~
03	~~23667-32-5~~	~~Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenz~~	19.16	Unknown 3	19.	~~JN~~ U FB
04	1000335-93-0	~~Picolinyl 8-(5-hexyl-2-furyl)-octanoate~~	24.72	Unknown 4	20.	~~JN~~ FB
05						
06						
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08						
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27						
28						
29						
30						
	E966796[2]	Total Alkanes	N/A			

[2]EPA-designated Registry Number.

CR 2/11/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK06C03

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
[illegible]1-14-2	2,4-Dinitrotoluene	5.0	U
[illegible]-66-2	Diethylphthalate	5.0 ~~0.18~~	~~J~~ 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 ~~0.24~~	~~JB~~ 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	25 ~~0.42~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	5.0	U
[illegible]5-99-2	Benzo(b)fluoranthene	5.0	U
[illegible]7-08-9	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 ~~0.21~~	~~JB~~ U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK06C03

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~3.6~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.26~~	~~J~~ 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 ~~2.0~~	~~JB~~ 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

MB

FB

MB

on slide

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK05C02

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	~~1559-35-9~~	~~Ethanol, 2-[(2-ethylhexyl)oxy]-~~	6.55	Unknown 1 2.7	~~JN~~
02	~~1633-78-9~~	~~1-Hexanol, 6-mercapto-~~	6.72	Unknown 2 3.0	~~JN~~
03	2948-46-1	.alpha.,.alpha.,.alpha.',.alpha.'-Tetram	8.60	3.4	JN
04	~~67-32-5~~	~~Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenz~~	19.16	Unknown 3 20.	~~JN~~ U FB
05	~~619-88-7~~	~~16-Hexadecanoyl hydrazide~~	22.42	Unknown 4 2.1	~~JN~~
06	85-44-9	~~Phthalic anhydride~~	24.73	Unknown 5 19.	~~JN~~ U FB
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27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

CR 2/14/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK05C02

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
FB 84-66-2	Diethylphthalate	5.0 ~~0.17~~	~~J~~ 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
MB 84-74-2	Di-n-butylphthalate	5.0 ~~0.28~~	~~JB~~ 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
MB 117-81-7	Bis(2-ethylhexyl)phthalate	25 ~~0.24~~	~~JB~~ 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 ~~0.31~~	~~JB~~ U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

[1]Cannot be separated from Diphenylamine

CA 1/1

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK05C02

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~3.0~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.30~~	~~J~~ U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
[illegible]-57-8	2-Chlorophenol	5.0	U
[illegible]-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0 ~~1.7~~	~~JB~~ 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
[illegible]-74-4	2-Nitroaniline	10.	U
[illegible]-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

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK04C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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	20548-62-3	Phthalic acid, bis(7-methyloctyl) ester	16.86	4.2	JN N
02	~~20548-62-3~~	~~Phthalic acid, bis(7-methyloctyl) ester~~	17.04	unknown 1 2.6	JN
03	~~84-76-4~~	~~1,2-Benzenedicarboxylic acid, dinonyl es~~	17.11	unknown 2 2.4	JN
04	~~20548-62-3~~	~~Phthalic acid, bis(7-methyloctyl) ester~~	17.19	Unknown 3 2.3	JN
05	~~1000309-05-1~~	~~Phthalic acid, isohexyl tetradecyl ester~~	17.23	unknown 4 2.9	JN
06	~~1000315-38-1~~	~~Phthalic acid, 5-methoxy 3-methylpent-2-~~	17.31	unknown 5 2.7	JN
07	~~1000314-93-3~~	~~Phthalic acid, 2-(2-methoxyethyl)hexyl n~~	17.42	unknown 6 2.8	JN
08	~~20548-62-3~~	~~Phthalic acid, bis(7-methyloctyl) ester~~	17.49	unknown 7 2.1	JN
09	~~23667-32-5~~	Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenz	19.16	unknown 8 18.	JN U FB
10	~~1000335-93-0~~	~~Picolinyl 8-(5-hexyl-2-furyl)-octanoate~~	24.72	unknown 9 17.	JN U FB
11					
12					
13					
14					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796[2]	Total Alkanes	N/A		

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK04C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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
[illegible]1-14-2	2,4-Dinitrotoluene	5.0	U
[illegible]-66-2	Diethylphthalate	5.0 ~~0.24~~	~~J~~ 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 ~~0.26~~	~~JB~~ 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	25 ~~0.65~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	5.0	U
[illegible]05-99-2	Benzo(b)fluoranthene	5.0	U
[illegible]7-08-9	Benzo(k)fluoranthene	5.0	U
[illegible]0-32-8	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 ~~0.20~~	~~JB~~ U
191-24-2	Benzo(g,h,i)perylene	5.0 ~~0.30~~	~~JB~~ U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

[1]Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 1000 (g/mL) mL Lab File ID: DGK04C01

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

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 01/14/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 01/14/2011

Injection Volume: 1.0 (uL) GPC Factor: _____ Date Analyzed: 01/17/2011

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 ~~2.9~~	~~JB~~ U
108-95-2	Phenol	5.0 ~~0.26~~	~~J~~ 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 ~~1.6~~	~~JB~~ 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

JB FB

MB

OR 2/1/11

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

EPA Sample No.(SSTD020##): SSTD020DK Date Analyzed: 01/17/2011

Lab File ID (Standard): DGK01S20 Time Analyzed: 18:18

Instrument ID: 5975-D GC Column: DB5MS ID: 0.32 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2083041	11.65	1997207	15.79	1389953	18.52
	UPPER LIMIT	4166082	12.15	3994414	16.29	2779906	19.02
	LOWER LIMIT	1041521	11.15	998604	15.29	694977	18.02
	EPA SAMPLE NO.						
01	SBLK75	2035854	11.65	1978959	15.79	1533313	18.52
02	SBLK39	1677674	11.65	1761072	15.79	1412942	18.52
03	E52Z1	1989400	11.65	2076266	15.79	1575028	18.52
04	E52Z2	1637972	11.65	1617318	15.79	1243130	18.51
05	E52Z8	2213587	11.65	2199218	15.79	1715523	18.51
06	E5300	2190460	11.65	2078583	15.79	1667662	18.51
07	E5314	1991526	11.65	1846377	15.79	1469840	18.51
08	E5315	2104296	11.65	1998970	15.79	1536838	18.51
09	E5320	2114885	11.65	2098290	15.79	1609952	18.51
10	E5302	1688964	11.65	1558689	15.79	1262813	18.51
11	E5302MS	1768311	11.65	1701272	15.79	1356270	18.51
12	E5302MSD	1668448	11.65	1503563	15.79	1209880	18.51
13	E5316	1695730	11.65	1669710	15.79	1255196	18.51
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

GC Column: DB5MS ID: 0.32 (mm) Init. Calib. Date(s): 01/17/2011 01/17/2011

EPA Sample No.(SSTD020##): SSTD020DK Date Analyzed: 01/17/2011

Lab File ID (Standard): DGK01S20 Time Analyzed: 18:18

Instrument ID: 5975-D

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	627198	4.80	2162185	6.28	1256535	8.99
	UPPER LIMIT	1254396	5.30	4324370	6.78	2513070	9.49
	LOWER LIMIT	313599	4.30	1081093	5.78	628268	8.49
	EPA SAMPLE NO.						
01	SBLK75	555634	4.80	2122102	6.27	1253815	8.98
02	SBLK39	456295	4.80	1685290	6.27	1008876	8.98
03	E52Z1	580096	4.80	2111772	6.28	1210839	8.99
04	E52Z2	496967	4.80	1745987	6.28	1010529	8.98
05	E52Z8	575584	4.80	2153831	6.28	1329703	8.98
06	E5300	600673	4.80	2201437	6.28	1307980	8.98
07	E5314	610010	4.80	2169500	6.28	1237112	8.99
08	E5315	575108	4.80	2162902	6.28	1279792	8.98
09	E5320	662028	4.80	2300228	6.28	1302130	8.99
10	E5302	495194	4.80	1778836	6.27	1049449	8.98
11	E5302MS	467710	4.80	1760478	6.28	1052545	8.99
12	E5302MSD	527156	4.80	1823921	6.28	1050847	8.99
13	E5316	490879	4.80	1789909	6.27	1058522	8.98
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK39

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Lab File ID: DGK03BLK Lab Sample ID: 201739

Instrument ID: 5975-D Date Extracted: 01/15/2011

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/17/2011

Level: (LOW/MED) LOW Time Analyzed: 19:20

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E5302	1101504001	DGK11C01	01/17/2011
02	E5302MS	1101504002	DGK12M02	01/18/2011
03	E5302MSD	1101504003	DGK13M03	01/18/2011
04	E5316	1101504004	DGK14C04	01/18/2011
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COMMENTS: _____

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK75

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Lab File ID: DGK02BLK Lab Sample ID: 201675

Instrument ID: 5975-D Date Extracted: 01/14/2011

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/17/2011

Level: (LOW/MED) LOW Time Analyzed: 18:49

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E52Z1	1101428001	DGK04C01	01/17/2011
02	E52Z2	1101428002	DGK05C02	01/17/2011
03	E52Z8	1101428003	DGK06C03	01/17/2011
04	E5300	1101428004	DGK07C04	01/17/2011
05	E5314	1101428008	DGK08C08	01/17/2011
06	E5315	1101428009	DGK09C09	01/17/2011
07	E5320	1101428012	DGK10C12	01/17/2011
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COMMENTS: _____

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix Spike - EPA Sample No.: E5302

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC #	QC LIMITS REC.
Phenol	40.	0.26	30.	75	12-110
2-Chlorophenol	40.	0.0	29.	73	27-123
N-Nitroso-di-n-propylamine	40.	0.0	34.	85	41-116
4-Chloro-3-methylphenol	40.	0.0	31.	78	23-97
Acenaphthene	40.	0.0	31.	78	46-118
4-Nitrophenol	40.	0.0	34.	84 *	10-80
2,4-Dinitrotoluene	40.	0.0	33.	82	24-96
Pentachlorophenol	40.	0.0	33.	82	9-103
Pyrene	40.	0.0	35.	87	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC #	%RPD #	QC LIMITS	
					RPD	REC.
Phenol	40.	28.	71	6	0-42	12-110
2-Chlorophenol	40.	28.	69	6	0-40	27-123
N-Nitroso-di-n-propylamine	40.	34.	85	0	0-38	41-116
4-Chloro-3-methylphenol	40.	34.	86	9	0-42	23-97
Acenaphthene	40.	36.	90	14	0-31	46-118
4-Nitrophenol	40.	39.	99 *	15	0-50	10-80
2,4-Dinitrotoluene	40.	38.	96	15	0-38	24-96
Pentachlorophenol	40.	40.	101	20	0-50	9-103
Pyrene	40.	44.	111	24	0-31	26-127

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 2 out of 18 outside limits

COMMENTS: _____

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	E52Z1	81	75	79	76	65	76	74	60	0
02	E52Z2	78	72	72	70	71	68	69	46	0
03	E52Z8	76	71	62	68	59	63	66	60	0
04	E5300	71	67	57	64	53	60	65	53	0
05	E5302	81	76	69	78	62	80	88	79	0
06	E5314	74	65	76	67	68	65	72	45	0
07	E5315	76	74	69	72	60	70	75	65	0
08	E5316	82	79	67	81	63	83	85	82	0
09	E5320	71	62	72	67	60	60	64	32	0
10	E5302MS	80	76	77	79	65	77	83	74	0
11	E5302MSD	92	87	89	91	79	93	104	91	0
12	SBLK39	81	79	73	82	57	83	82	76	0
13	SBLK75	75	73	70	74	55	73	76	64	0
14										
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	QC LIMITS
SDMC9 (DMP) = Dimethylphthalate-d6	(47-114)
SDMC10 (ACY) = Acenaphthylene-d8	(41-107)
SDMC11 (4NP) = 4-Nitrophenol-d4	(33-116)
SDMC12 (FLR) = Fluorene-d10	(42-111)
SDMC13 (NMP) = 4,6-Dinitro-2-methylphenol-d2	(22-104)
SDMC14 (ANC) = Anthracene-d10	(44-110)
SDMC15 (PYR) = Pyrene-d10	(52-119)
SDMC16 (BAP) = Benzo(a)pyrene-d12	(32-121)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

	EPA SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	E52Z1	68	65	66	74	68	71	65	69
02	E52Z2	68	65	66	72	67	74	66	52
03	E52Z8	73	73	74	77	71	73	67	60
04	E5300	67	65	67	69	64	67	62	68
05	E5302	69	68	69	75	70	73	67	78
06	E5314	62	57	60	67	60	67	59	43
07	E5315	78	76	78	79	74	76	69	71
08	E5316	76	74	75	82	75	79	72	80
09	E5320	58	56	57	63	60	65	57	54
10	E5302MS	73	71	72	76	69	73	67	81
11	E5302MSD	69	67	67	72	72	76	71	85
12	SBLK39	74	74	74	81	75	75	68	68
13	SBLK75	74	73	75	76	72	73	67	72
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	QC LIMITS
SDMC1 (PHL) = Phenol-d5	(39-106)
SDMC2 (BCE) = Bis(2-chloroethyl)ether-d8	(40-105)
SDMC3 (2CP) = 2-Chlorophenol-d4	(41-106)
SDMC4 (4MP) = 4-Methylphenol-d8	(25-111)
SDMC5 (NBZ) = Nitrobenzene-d5	(43-108)
SDMC6 (2NP) = 2-Nitrophenol-d4	(40-108)
SDMC7 (DCP) = 2,4-Dichlorophenol-d3	(37-105)
SDMC8 (4CA) = 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202094

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF84HBLK

Level: (TRACE or LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
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27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202094

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF84HBLK

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-87-5	1,2-Dichloropropane	5.0	U
[illegible]-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
[illegible]5-50-1	1,2-Dichlorobenzene	5.0	U
[illegible]-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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202094

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF84HBLK

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

VBLKW2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202461

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF70BLK

Level: (TRACE or LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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

EPA SAMPLE NO.

VBLKW2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202461

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF70BLK

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	0.60	J
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202461

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF70BLK

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-01-4	Vinyl chloride	5.0	U
[illegible]-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	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
[illegible]3-91-1	1,4-Dioxane	100	U

[illegible]port 1,4-Dioxane for Low-Medium VOA analysis only

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

EPA SAMPLE NO.

VBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202093

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF55BLK

Level: (TRACE or LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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

EPA SAMPLE NO.

VBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: · SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202093

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF55BLK

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]27-4	Bromodichloromethane	5.0	U
[illegible]0061-01-5	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	0.27	J
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	0.43	J
106-46-7	1,4-Dichlorobenzene	0.59	J
95-50-1	1,2-Dichlorobenzene	0.49	J
[illegible]6-12-8	1,2-Dibromo-3-chloropropane	5.0	U
[illegible]0-82-1	1,2,4-Trichlorobenzene	0.77	J
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 202093

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF55BLK

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	10.	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF81E320

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF81E320

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	
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
TB 108-88-3	Toluene	5.0 ~~0.96~~	~~J~~ 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	2.8	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	0.61	J
100-41-4	Ethylbenzene	0.35	J
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	0.44	J
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	0.64	J
106-46-7	1,4-Dichlorobenzene	2.0	J
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
MB 120-82-1	1,2,4-Trichlorobenzene	5.0 ~~0.90~~	~~JB~~
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5320

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428012

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF81E320

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	0.83	J
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	19.	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	20 ~~7.3~~	~~J~~ U
75-15-0	Carbon disulfide	0.43	J
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.70	J
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	62.	
156-59-2	cis-1,2-Dichloroethene	9.4	
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
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	1.0	J
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5317

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428011

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF80E317

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5317

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428011

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF80E317

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-87-5	1,2-Dichloropropane	5.0	U
[illegible]-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	0.39	J
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
[illegible]-12-8	1,2-Dibromo-3-chloropropane	5.0	U
[illegible]0-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5317

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428011

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF80E317

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	5.0	J
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF79E316

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF79E316

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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 ~~0.47~~	~~J~~ 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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5316

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF79E316

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
b 67-64-1	Acetone	20 ~~7.6~~	~~J~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	1.4	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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF78E315

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1] *EPA-designated Registry Number.*

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

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF78E315

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]8-87-5	1,2-Dichloropropane	5.0	U
[illegible]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
b 108-88-3	Toluene	5.0 ~~0.40~~	~~J~~ 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
[illegible]-12-8	1,2-Dibromo-3-chloropropane	5.0	U
[illegible]0-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5315

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428009

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF78E315

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
TB 67-64-1	Acetone	20 ~~4.9~~	~~J~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF77E314

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF77E314

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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 ~~0.37~~	~~J~~ 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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5314

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF77E314

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	10.	U
75-15-0	Carbon disulfide	0.28	J
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MSD

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428007

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF83S302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	55.	
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	51.	
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	48.	
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MSD

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428007

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF83S302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	58.	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	20 ~~5.8~~	~~J~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	61.	
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

cos 2/1/11

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MS

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428006

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF82M302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	57.	
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	54.	
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	50.	
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302MS

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428006

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF82M302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	61.	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	20 ~~6.9~~	J/U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	63.	
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428005

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF76E302

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428005

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF76E302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-87-5	1,2-Dichloropropane	5.0	U
[illegible]-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
[illegible]-12-8	1,2-Dibromo-3-chloropropane	5.0	U
[illegible]0-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5302

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428005

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF76E302

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	20 ~~71~~	~~J~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

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

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF75E300

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF75E300

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E5300

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428004

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF75E300

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-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
B 67-64-1	Acetone	20 ~~10.~~	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
[illegible]3-91-1	1,4-Dioxane	100	U

[illegible]port 1,4-Dioxane for Low-Medium VOA analysis only

cn 2/1/11

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

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF74E2Z8

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF74E2Z8

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
-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
-12-8	1,2-Dibromo-3-chloropropane	5.0	U
0-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.

E52Z8

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428003

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF74E2Z8

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
TB 67-64-1	Acetone	20 ~~7.0~~	~~J~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

ok 2/1/11

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

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF71E2Z2

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF71E2Z2

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
TB 108-88-3	Toluene	5.0 ~~0.39~~	~~J~~ 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

CP 2/14/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428002

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF71E2Z2

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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	20 ~~4.3~~	~~B~~ U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

on file

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

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF68E2Z1

Level: (TRACE or LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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					
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[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF68E2Z1

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
[illegible]-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
B 108-88-3	Toluene	5.0 ~~0.67~~	~~J~~ 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
[illegible]6-12-8	1,2-Dibromo-3-chloropropane	5.0	U
[illegible]0-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

CY 2/1/11

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E52Z1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 1101428001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: BF68E2Z1

Level: (TRACE/LOW/MED) LOW Date Received: 01/14/2011

% Moisture: not dec. _____ Date Analyzed: 01/19/2011

GC Column: DB624 ID: 0.53 (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
TB 67-64-1	Acetone	20 ~~5.1~~	~~J~~ U
75-15-0	Carbon disulfide	1.2	J
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
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	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
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

GC Column: DB624 ID: 0.53 (mm) Init. Calib. Date(s): 01/07/2011 01/07/2011

EPA Sample No.(VSTD#####): VSTD050WA Date Analyzed: 01/19/2011

Lab File ID (Standard): BF69S50 Time Analyzed: 16:17

Instrument ID: 5975-B Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	599634		10.62		830721		7.42		323934		13.02	
	UPPER LIMIT	1199268		11.12		1661442		7.92		647868		13.52	
	LOWER LIMIT	299817		10.12		415361		6.92		161967		12.52	
	EPA SAMPLE NO.												
01	VBLKW2	541413		10.62		783983		7.42		304469		13.02	
02	E52Z2	550981		10.62		748029		7.42		308770		13.02	
03	E52Z8	534206		10.62		731076		7.42		296927		13.02	
04	E5300	535025		10.62		733396		7.42		303193		13.02	
05	E5302	496204		10.62		701248		7.42		272313		13.02	
06	E5314	453980		10.62		657417		7.43		254965		13.02	
07	E5315	467050		10.62		675755		7.42		254816		13.02	
08	E5316	452610		10.62		676262		7.42		237770		13.02	
09	E5317	515198		10.62		743296		7.43		274494		13.02	
10	E5320	433990		10.62		633270		7.42		239065		13.02	
11	E5302MS	408867		10.62		635848		7.43		206349		13.02	
12	E5302MSD	454288		10.62		694126		7.42		231783		13.02	
13	VHBLKW1	526125		10.62		721946		7.42		294775		13.02	
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

GC Column: DB624 ID: 0.53 (mm) Init. Calib. Date(s): 01/07/2011 01/07/2011

EPA Sample No.(VSTD#####): VSTD050W1 Date Analyzed: 01/19/2011

Lab File ID (Standard): BF54S50 Time Analyzed: 09:36

Instrument ID: 5975-B Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	446220		10.62		624634		7.42		238003		13.02	
	UPPER LIMIT	892440		11.12		1249268		7.92		476006		13.52	
	LOWER LIMIT	223110		10.12		312317		6.92		119002		12.52	
	EPA SAMPLE NO.												
01	VBLKW1	456202		10.62		619764		7.42		259464		13.02	
02	E52Z1	460191		10.62		652588		7.42		256226		13.02	
03													
04													
05													
06													
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18													
19													
20													
21													
22													

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKW2

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Lab File ID: BF70BLK Lab Sample ID: 202461

Instrument ID: 5975-B

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/19/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 16:46

GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E52Z2	1101428002	BF71E2Z2	17:26
02	E52Z8	1101428003	BF74E2Z8	18:45
03	E5300	1101428004	BF75E300	19:12
04	E5302	1101428005	BF76E302	19:38
05	E5314	1101428008	BF77E314	20:05
06	E5315	1101428009	BF78E315	20:31
07	E5316	1101428010	BF79E316	20:58
08	E5317	1101428011	BF80E317	21:24
09	E5320	1101428012	BF81E320	21:51
10	E5302MS	1101428006	BF82M302	22:17
11	E5302MSD	1101428007	BF83S302	22:44
12	VHBLKW1	202094	BF84HBLK	23:10
13				
14				
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COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKW1

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Lab File ID: BF55BLK Lab Sample ID: 202093

Instrument ID: 5975-B

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/19/2011

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:05

GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E52Z1	1101428001	BF68E2Z1	15:51
02				
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS: _____

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Matrix Spike - EPA Sample No.: E5302 Level: (TRACE or LOW) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC #	QC LIMITS REC.
1,1-Dichloroethene	50.	0.0	61.	123	61-145
Trichloroethene	50.	0.0	57.	114	71-120
Benzene	50.	0.0	63.	126	76-127
Toluene	50.	0.0	54.	108	76-125
Chlorobenzene	50.	0.0	50.	99	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC #	%RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50.	58.	116	6	0-14	61-145
Trichloroethene	50.	55.	111	3	0-14	71-120
Benzene	50.	61.	122	3	0-11	76-127
Toluene	50.	51.	101	6	0-13	76-125
Chlorobenzene	50.	48.	96	3	0-13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	E52Z1	112	103	102	88	116	101	106	0
02	E52Z2	107	100	97	62	109	94	101	0
03	E52Z8	111	101	104	98	109	107	105	0
04	E5300	109	101	100	86	100	99	104	0
05	E5302	115	103	101	89	93	100	105	0
06	E5314	112	106	95	80	78	95	104	0
07	E5315	118	106	102	91	101	104	108	0
08	E5316	118	107	99	88	93	102	107	0
09	E5317	117	105	102	87	95	101	104	0
10	E5320	120	106	100	92	104	105	108	0
11	E5302MS	125 *	109	109	95	95	108	110	2
12	E5302MSD	118	106	105	84	83	100	102	0
13	VBLKW1	109	99	109	107	129	109	102	0
14	VBLKW2	115	103	104	80	106	101	101	0
15	VHBLKW1	110	103	96	80	96	95	104	0
16									
17									
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26									
27									
28									
29									
30									

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9	(TOL) = Toluene-d8	(77-121)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11	(HEX) = 2-Hexanone-d5	(28-135)
VDMC12	(DXE) = 1,4-Dioxane-d8	(50-150)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: ALS Laboratory Group Contract: EPW05026

Lab Code: DATAC Case No.: 40949 Mod. Ref No.: _____ SDG No.: E52Z1

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	E52Z1	87	92	77	76	102	103	109
02	E52Z2	82	87	69	68	95	99	101
03	E52Z8	90	98	81	85	107	107	106
04	E5300	89	95	77	76	104	106	106
05	E5302	91	99	79	74	105	105	111
06	E5314	95	105	85	64	104	100	113
07	E5315	96	103	81	77	102	105	113
08	E5316	92	100	83	71	99	101	116
09	E5317	88	97	81	76	105	103	113
10	E5320	96	106	92	78	109	107	116
11	E5302MS	95	102	107 *	75	104	107	121
12	E5302MSD	90	101	102	68	108	102	121
13	VBLKW1	86	91	77	99	103	113	105
14	VBLKW2	80	88	72	81	99	107	109
15	VHBLKW1	91	100	81	72	106	104	107
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
VDMC1 (VCL) = Vinyl chloride-d3	(65-131)
VDMC2 (CLA) = Chloroethane-d5	(71-131)
VDMC3 (DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4 (BUT) = 2-Butanone-d5	(49-155)
VDMC5 (CLF) = Chloroform-d	(78-121)
VDMC6 (DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7 (BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

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****

Thanks,

Ryan Mroz
Environmental Coordinator - Regions 5 & 8
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | phone: 703.818.4568 | fax: 703.818.4602 | rmroz@fedcsc.com | www.csc.com

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e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order
other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of
mail for such purpose.

From: Olson, Roxanne [mailto:Roxanne.Olson@ALSGlobal.com]
Sent: Friday, January 14, 2011 1:09 PM
To: Mroz, Ryan
Subject: FW: Organic Case 40949

Ryan:

See Mere?s comments below.

Roxy
From: Edwards, Meredith D.
Sent: Friday, January 14, 2011 11:02 AM
To: ALS SLC EPA
Subject: Organic Case 40949

I am missing one cooler from today?s shipment. Tracking number 799754110420. I have called FedEx and it was stucl
Memphis. It missed the plane.
The samples missing are
E5300 tag 5C030478 for SVOA
E5302 tags 5C030539-5C030543 for SVOA. Total of 5 containers.
E5315 tag 5C030513 for SVOA
E5316 tags 5C030519-5C030520 for SVOA. Total of 2 containers

Also, the TR lists E5320 but the containers received for this sample show E52Z3. The tags are all received with the E5
I have attached a copy of one of the labels and a copy of one of the tags. For all other SVOA they are listing 2 contain
For this sample E5320 there is only one container listed for SVOA. If there is a problem with anything there will be no
volume for re-extraction.

Finally, one cooler delivered today did not have a temp blank. We used a calibrated IR gun and the temp was 3 degre

Thanks
Mere

Ryan M. Lunt
Environmental Scientist
Seagull Environmental Technologies, Inc.
Woman-Owned, 8(a) Firm
Phone: (816) 412-1741
Fax: (816)410-1748
email: rlunt@seagullenvirotech.com

-----Original Message-----
From: Mroz, Ryan [mailto:rmroz@fedcsc.com]
Sent: Friday, January 14, 2011 12:56 PM
To: rlunt@seagullenvirotech.com
Cc: 'Carlene Thomas', 'Howard Pham', roberman.alida@epa.gov, Prendiville.Timothy@epamail.epa.gov, 'Warren Layne'
Subject: Region 05 | Case 40949 | Lab DATAC | Issue Multiple
Importance: High

Ryan,

DATAC is reporting the following Issues with Case 40949. Issues 3 and 4 can be resolved with a standard answer. Ple advise the laboratory how to proceed on Issues 1 and 2. For Issue 1 it may be helpful to call FedEx and make sure the will try and delivery for Saturday delivery.

-Non-sampler issues-
Issue 1: There was a FedEx issue and cooler shipped under airbill 799754110420 was delayed.

-Discrepancies with tags, jars and/or TR/COC-
Issue 2: The TR/COC and sample tag, lists the sample ID as E5320; however the sample container label lists the samp ID as E52Z3.

-Insufficient volume-
Issue 3: The laboratory received only 1 container for SVOA analysis for sample E5320. There is sufficient volume for analysis; however, there will be insufficient volume for re-extraction/reanalysis if necessary.
Resolution 3: In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples. If re-extraction/reanalysis is necessary, the laboratory will contact the SMO coordinator and wait for a resolution.

-Missing temperature blank-
Issue 4: The laboratory received a cooler with a missing temperature blank. The laboratory used a calibrated IR gun determine the temperature to be 3 degrees.
Resolution 4: In accordance with previous direction from Region 5, the laboratory will note the issue, and the metho used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples. The resoluti will be applied to all Organic samples received for this Case without a temperature blank as long as the temperature determined to be less than or equal to 10°C.

Let me know if you have any questions.

Issue 3: The laboratory received only 1 container for SVOA analysis for sample E5320. There is sufficient volume for analysis; however, there will be insufficient volume for re-extraction/reanalysis if necessary.
Resolution 3: In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples. If re-extraction/reanalysis is necessary, the laboratory will contact the SMO coordinator and wait for a resolution.

-Missing temperature blank-
Issue 4: The laboratory received a cooler with a missing temperature blank. The laboratory used a calibrated IR gun to determine the temperature to be 3 degrees.
Resolution 4: In accordance with previous direction from Region 5, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples. The resolution will be applied to all Organic samples received for this Case without a temperature blank as long as the temperature is determined to be less than or equal to 10°C.

Let me know if you have any questions.
Thanks,

Ryan Mroz
Environmental Coordinator - Regions 5 & 8
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | phone: 703.818.4568 | fax: 703.818.4602 | rmroz@fedcsc.com | www.csc.com

---
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From: Ryan Lunt [mailto:rlunt@seagullenvirotech.com]
Sent: Friday, January 14, 2011 2:50 PM
To: Mroz, Ryan
Cc: Carlene Thomas; Howard Pham; roberman.alida@epa.gov; Prendiville.Timothy@epamail.epa.gov; Warren Layne
Subject: Re: Region 05 | Case 40949 | Lab DATAC | Issue Multiple

Ryan,
-Non-sampler issues-
Issue 1: There was a FedEx issue and cooler shipped under airbill 799754110420 was delayed.
Resolution 1: I have contacted Fedex, the cooler is still in Memphis,TN. Fedex said they will try and delivery the cooler for a Saturday delivery.
-Discrepancies with tags, jars and/or TR/COC-
Issue 2: The TR/COC and sample tag, lists the sample ID as E5320; however the sample container label lists the sample ID as E52Z3.
Resolution 2: Please use the TR/COC and sample tag ID E5320. Please note the issue in the SDG Narrative and proceed with the analysis of the samples.

Thank you and if you have any questions, just let me know.

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Roberman.Alida@epamail.epa.gov [mailto:Roberman.Alida@epamail.epa.gov]
Sent: Friday, January 14, 2011 3:31 PM
To: Mroz, Ryan
Cc: Thomas.Carlene@epamail.epa.gov; Pham.Howard@epamail.epa.gov; Prendiville.Timothy@epamail.epa.gov; Layne.Warren@epamail.epa.gov
Subject: Re: Region 05 | Case 40949 | Lab DATAC | Issue Multiple

Ryan,

The proposed resolutions are acceptable for issues 1 and 2.

Alida Roberman, Ph.D
Chemist,
[redacted]st Jackson Blvd
[redacted]go, IL 60604-3608
tel.: 312-886-7185
fax: 312-697-2066

From: Mroz, Ryan
Sent: Friday, January 14, 2011 3:02 PM
To: 'Carlene Thomas'; 'Howard Pham'; 'roberman.alida@epa.gov'; 'Tim Prendiville (Prendiville.Timothy@epamail.epa.gov)'; 'Warren Layne'
Subject: Region 05 | Case 40949 | Lab DATAC | Issue Multiple

Warren/Alida (not sure if Warren is still out)

DATAC is reporting the following Issues with Case 40949. Please advise if the PROPOSED Resolutions are acceptable for Issues 1 and 2.

-Non-sampler issues-
Issue 1: There was a FedEx issue and cooler shipped under airbill 799754110420 was delayed.
PROPOSED Resolution 1: Per Region 5, the sampler has contacted FedEx and the coolers will be delivered for Saturday delivery. Please note the issue in the SDG Narrative and proceed.

-Discrepancies with tags, jars and/or TR/COC-
Issue 2: The TR/COC and sample tag, lists the sample ID as E5320; however the sample container label lists the sample [redacted]E52Z3.
[redacted]OSED Resolution 2: Per Region 5, the lab shall use ID E5320 from the sample tag and TR/COC, note the Issue in the SDG Narrative, and proceed with analysis.

-Insufficient volume-

Olson, Roxanne

From: Mroz, Ryan [rmroz@fedcsc.com]
Sent: Friday, January 14, 2011 1:59 PM
To: Meredith Edwards; Roxanne W. Olson
Cc: rlunt@seagullenvirotech.com; Carlene Thomas; Howard Pham; roberman.alida@epa.gov; Prendiville.Timothy@epamail.epa.gov; Warren Layne
Subject: Region 05 | Case 40949 | Lab DATAC | Issue Multiple | FINAL

Roxy,

Summary Start
-Non-sampler issues-
Issue 1: There was a FedEx issue and cooler shipped under airbill 799754110420 was delayed.
Resolution 1: Per Region 5, the sampler has contacted FedEx and the coolers will be delivered for Saturday delivery. Please note the issue in the SDG Narrative and proceed.

-Discrepancies with tags, jars and/or TR/COC-
Issue 2: The TR/COC and sample tag, lists the sample ID as E5320; however the sample container label lists the sample ID as E52Z3.
Resolution 2: Per Region 5, the lab shall use ID E5320 from the sample tag and TR/COC, note the Issue in the SDG Narrative, and proceed with analysis.

-Insufficient volume-
Issue 3: The laboratory received only 1 container for SVOA analysis for sample E5320. There is sufficient volume for analysis; however, there will be insufficient volume for re-extraction/reanalysis if necessary.
Resolution 3: In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples. If re-extraction/reanalysis is necessary, the laboratory will contact the SMO coordinator and wait for a resolution.

-Missing temperature blank-
Issue 4: The laboratory received a cooler with a missing temperature blank. The laboratory used a calibrated IR gun to determine the temperature to be 3 degrees.
Resolution 4: In accordance with previous direction from Region 5, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples. The resolution will be applied to all Organic samples received for this Case without a temperature blank as long as the temperature is determined to be less than or equal to 10°C.
Summary End

Please note: To waive any defect(s) associated with this issue, please contact your PO.

Please let me know if you have any additional questions.
Thanks,

Ryan Mroz
Environmental Coordinator - Regions 5 & 8
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | phone: 703.818.4568 | fax: 703.818.4602 | rmroz@fedcsc.com | www.csc.com

Water:

$$\text{Concentration } \mu g/L = \frac{(A_x)\ (I_s)\ (V_t)\ (DF)\ (GPC)}{(A_{is})\ (\overline{RRF})\ (V_o)\ (V_i)}$$

Soil:

$$\text{Concentration } \mu g/Kg \text{ (Dry weight basis)} = \frac{(A_x)\ (I_s)\ (V_t)\ (DF)\ (GPC)}{(A_{is})\ (\overline{RRF})\ (V_i)\ (W_s)\ (D)}$$

where all variables are as defined in Exhibit D/SVOA Sections 11.2.1.6 and 9.3.4.1.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

1-19-11

Reed A. Hendricks January 19, 2011

each other without baseline resolution between the two peaks The automated peak finding routine quite often integrates both peaks as if they were one, and it is necessary to manually separate the isomers 4-chloroaniline sometimes has the baseline drawn too high when the computer gets confused because of a near-eluting peak causing it to think the valley between peaks is actually the baseline. Bis(2-chloroethyl)ether sometimes needs to be manually separated from the near-eluting aniline. Caprolactam has a tail, especially at higher concentrations, that is often truncated, leaving the need to manually include the tail. Some phenolics and carbazole sometimes have the need to manually include the tailing. Acetophenone sometimes needs to be manually separated from a near-eluting 3-carbon alklyated benzene TIC peak. Benzo(ghi)perylene and dibenz(a,h)anthracene will sometimes be sliced in half by the automatic integration routine and a manual integration would be needed to include the entire peak. Perylene-d12 in the SIM analysis often needs to be manually separated from the baseline arising from benzo(a)pyrene-d12, a near-eluting and considerably larger isomer peak. Sometimes the automatic peak finding routine will simply miss a peak, making it necessary to manually include it. This was the case with all analytes not mentioned above.

Sample	Analyte	RT (min)	Scan start-stop	
SSTD080DJ	2,4-Dinitrophenol	9 10	880	893
SSTD010DJ	Indeno(1,2,3-c,d)pyrene	21.67	3005	3035
SSTD005DJ	4-Nitrophenol	9 19	895	946
SSTD005DJ	4-Nitrophenol-d4	9 19	893	951
SSTD005DJ	Indeno(1,2,3-c,d)pyrene	21 66	3003	3038
SSTD010DJ	2,4-Dinitrophenol	9 09	879	914
SSTD010DJ	Indeno(1,2,3-c,d)pyrene	21.66	3003	3036
SSTD020DK	Indeno(1,2,3-c,d)pyrene	21.65	3002	3034

With regard to the naming of tentatively-identified compounds (TICs), spectral matches above 85 percent are reported as a specific isomer unless the analyst has a specific reason to assign a different name. Reasons for assigning a TIC name other than the match with the highest fit value above 85% include instances in which the analyst has previous experience with respect to a specific compound. When the first computer-generated match is a target compound and retention time information clearly indicates the TIC is in fact not the target compound, the analyst reserves the right to give a more appropriate tentative identification. There may be instances in which a specific compound name is assigned to more than one peak. Even though specific names will usually be given to TICs with spectral fits above 85%, it must be understood by the data user that TIC names are very tentative, and it cannot be assumed that the specific isomers reported are correct. One case where specific names are not given to spectral matches above 85% is for alkanes, because the SOW requires alkanes to be reported as either straight-chain, branched or cyclic and summarized as "total alkanes."

Results on the raw data are expressed in units of ug/mL (micrograms per milliliter of the solution that was injected onto the GC/MS system). Final results are calculated by the following equations:

DATA CHEM LABORATORIES, INC.

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS

SDG Narrative
Semivolatiles Fraction

Contract: EP-W-05-026
Case: 40949
SDG: E52Z1
Laboratory Name: DataChem Laboratories
DCL Set ID.: 1101428, 1101504
Sample No.: E52Z1, E52Z2, E52Z8, E5300, E5302, E5314, E5315, E5316, E5320, E5302MS, E5302MSD.
General SDG Information: Samples were analyzed according to USEPA CLP Statement of Work SOM01.2. There are no deviations from the SOW. All samples listed above are billable.

Instrumentation: Agilent GC/MS system (ID 5975-D)
Column: J&W Scientific DB-5ms column, 95% dimethyl-(5%)-diphenylsiloxane, nonpolar 30 m x 0.32 mm I.D. with a 0.50 µm film thickness

Sample Preparation: Samples were prepared as stated in the SOW.

Instrument Calibration: (i.e.DFTPP tunes) All tunes met ion intensity ratio requirements. All samples and standards were analyzed within the twelve hour CCV period.

Initial and Continuing Calibration Verification: All initial and continuing calibration standards met minimum response factor, RSD and %D criteria.

Blank Analysis: The extraction blanks met method criteria.

Sample Analysis: All samples passed internal standard area and DMC recovery QC criteria.

MS/MSD Analysis: Matrix spiking was performed on Sample E5302.

Dilutions: None.

Miscellaneous Comments: Manual edits were made in the calibration standards for a variety of miscalled peaks. Every manual integration is noted by an "m" footnote on the quantitation report, and an additional graphics page is included for each manual integration to show how the peak was integrated. In order to satisfy the requirements of Exhibit B Section 2.5.1 which asks for a listing of each instance of manual integration, these manual integrations are also listed in the table below. The explanation for each of these manual integrations is that the data system did not correctly integrate the peak in its automated data evaluation procedure. More specifically, some of the more common mis-integrated peaks are described as follows: Indeno(1,2,3-c,d)pyrene elutes near dibenz(a,h)anthracene, and a hump from the 276 ion in dibenz(a,h)anthracene sometimes needs to be manually excluded from Indeno(1,2,3-c,d)pyrene. Isomers such as anthracene and benzo(a)anthracene are often called as the similar and near-eluting phenanthrene or chrysene peak Benzo(b) and Benzo(k)fluoranthene elute very closely to

Concentration in ug/L: $$C = \left[\frac{(A_x)\,(I_s)\,(Df)}{(A_{is})\,(RRF)\,(V_o)} \right]$$

Where I_s is the amount of internal standard spiked in ng (250 ng), Df is a dilution factor (1 if no dilutions are made), RRF is the mean relative response factor (assumed to be 1 for non target analytes) and V_o is the total volume purged in mL.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

January 20, 2011

Joseph Gress
Chemist
Volatile Organic Analysis Section

the Dioxanes. A continuing calibration standard (CCAL) was analyzed prior to sample analysis. A final calibration standard (FCAL) was analyzed after sample analysis All calibration standards met all method criteria as specified in the SOW except for the minimum RRF for the Dioxanes. Manual edits were made in the calibration standards and in some samples for various mis-called peaks. Every manual integration is noted by an "m" footnote on the quantitation report, and an additional graphics page is included for each manual integration to show how the peak was integrated. Analytes that required manual integrations are listed.

Blank Analysis: Method blanks were prepared using 5 mL of spiked reagent water. The blanks were analyzed prior to sample analysis and were free of volatile organic contaminants within the specifications of the SOW.

Sample Analysis: All deuterated monitoring compounds and internal standard area responses were within the required acceptance criteria. All samples were analyzed within ten days of verified sample receipt.

MS/MSD Analysis: Matrix spike (MS) and matrix spike duplicate (MSD) analyses for the water samples were performed using sample E5302. The matrix spike compounds are 1,1-Dichloroethene, Benzene, Trichloroethene, Toluene and Chlorobenzene; each is spiked in at a concentration of 50 µg/L. All percent recoveries and RPD's were within QC limits.

Miscellaneous Comments: As instructed in the SOW, alkanes are not reported separately on the Form 1J but rather are summarized as "total alkanes."

With regard to the naming of tentatively-identified compounds (TICs), spectral matches above 85 percent are reported as a specific isomer unless the analyst has a specific reason to assign a different name. The exact isomer configuration, as reported, may not be absolutely accurate Reasons for assigning a TIC name other than the match with the highest fit value above 85% include: instances in which the analyst has previous experience with respect to a specific compound; when the first computer-generated match is a target compound and retention time information clearly indicates the TIC is in fact not the target compound; and when a specific compound name has already been assigned to a peak. Even though specific names will usually be given to TICs with spectral fits above 85%, it must be understood by the data user that TIC names are very tentative, and it cannot be assumed that the specific isomers reported are correct.

Sample Calculations:

Relative Response Factor: $$RRF = \left[\frac{A_x}{A_{is}}\right]\left[\frac{C_{is}}{C_x}\right]$$

Where A_x is the area of the characteristic ion for the compound to be measured, A_{is} is the area of the characteristic ion for the internal standard , C_{is} is the concentration of the internal standard, and C_x is the concentration of the compound to be measured.

DATA CHEM LABORATORIES, INC.

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS

SDG Narrative
Low/Medium Volatiles

Contract: EPW05026
Case: 40949
SDG: E52Z1
Laboratory Name: ALS Datachem Laboratories

Sample Number	DCL Sample ID	pH	Dilution
E52Z1	1101428001	1	
E52Z2	1101428002	1	
E52Z8	1101428003	1	
E5300	1101428004	1	
E5302	1101428005	1	
E5302MS	1101428006	1	
E5302MSD	1101428007	1	
E5314	1101428008	1	
E5315	1101428009	1	
E5316	1101428010	1	
E5317	1101428011	1	
E5320	1101428012	6	

General SDG Information: Samples were analyzed according to USEPA CLP Statement of Work SOM01.2. There were no deviations from the SOW except as listed below.

Instrumentation: Agilent 5975-B GC/MSD with electron impact ionization and quadrupole detector scanning at a mass range of 35 to 300 amu.
Column: RTX-VMS - 30 meters, 0.25 mm id., 1.4 µm film
Temperature Program: 45°C (5.0 min) 15°/min ramp to 200° ;30°/min ramp to 220°C
Carrier Gas: Helium Purge Gas: Helium
Purge & Trap Device: OI Analytical-Eclipse 4660 & Varian Archon
Purge Flow: 40 mL/min Trap: OI #10 Trap Temp: 35°C Heated Purge: 40°C

Sample Preparation: This method has no extraction procedure for the water matrix. Five milliliters of water sample was spiked with Internal Standard/DMC Solution and purged.

Instrument Calibration: The GC/MS was hardware tuned to meet the criteria for a 50 ng purging of 4-Bromofluorobenzene as specified in the SOW. This tune check is valid for 12 hours.

Initial and Continuing Calibration Verification: The five point initial calibration curve, which was analyzed prior to sample analysis, met the specified criteria in the SOW except for the minimum RRF for

JAN 2 4 2011

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

SDG Administrative Narrative

Contract: GP-W-05-026

Case: 40949

SDG: E5271

Set ID No.: 1101428, 1101504

Cooler # and temperatures of each (upon receipt)

Cooler Number C10- NA Arrival temperature was 3 °C

Cooler Number C10- NA Arrival temperature was 3 °C

Cooler Number C10- _____ Arrival temperature was 6 °C

Cooler Number C10- _____ Arrival temperature was _____ °C

Cooler Number C10- _____ Arrival temperature was _____ °C

Cooler Number C10- _____ Arrival temperature was _____ °C

Cooler Number C10- _____ Arrival temperature was _____ °C

Cooler Number C10- _____ Arrival temperature was _____ °C

Cooler Number C10- _____ Arrival temperature was _____ °C

1/21/11

Communications:

Any sample receiving issues with this SDG are fully documented through the email communications which are included as a portion of this SDG Narrative and immediately follow this page Copies of each of these email communications are also located in the communication section of this datapackage. In addition, any analytical issues pertinent to a given fraction are fully documented by the analyst in the associated narrative for the applicable fraction

Comments:

None.

Signature: _____ Date: 1/21/11

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40949
DAS No:
SDG No: E5221

L

Date Shipped:	1/13/2011
Carrier Name:	FedEx
Airbill:	
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Ryan M. Lunt	01/13/2010	Merrell Elwood	1/14/11 934
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No: EPW5026
Unit Price: N/A
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E5317	Ground Water/ Ryan M. Lunt	L/G	CLP VOA (7)	5C-030525 (HCL), 5C-030526 (HCL), 5C-030527 (HCL) (3)	GW-TB	S: 1/11/2011 18:00		
E5320	Ground Water/ Kirk Mammoliti	L/G	CLP SVOA (7), CLP VOA (7)	5C-030505 (Not preserved), 5C-030506 (HCL), 5C-030507 (HCL), 5C-030508 (HCL) (4)	GW-3	S: 1/12/2011 12:50	ME5320	

ment for Case mplete?N	Sample(s) to be used for laboratory QC: E5302	Additional Sampler Signature(s): K. Mammoliti	Cooler Temperature Upon Receipt: 8/8	Chain of Custody Seal Number:
alysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

.P SVOA = CLP TCL Semivolatiles, CLP VOA = CLP TCL Volatiles

Number: 5[redacted]1334765-011311-0004

LABORATORY COP[redacted]

rovides preliminary res[redacted]quests for preliminary results will increase analytical costs.
l Copy to: Sample Ma[redacted]ent Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/8[redacted]200; Fax 703/818-4602

EPA

U.S. EPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40949
DAS No:
SDG No: E5721

Date Shipped:	1/13/2011
Carrier Name:	FedEx
Airbill:	
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Ryan M. Lunt	01/13/2011 1900	Marcel Island	1/14/11 934
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No: EPM05026
Unit Price: n/a
Transfer To: AH 1/14/11
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E5302	Ground Water/ Ryan M Lunt	L/G	CLP SVOA (7), CLP VOA (7)	5C-030539 (Not preserved), 5C-030540 (Not preserved), 5C-030541 (Not preserved), 5C-030542 (Not preserved), 5C-030543 (Not preserved), 5C-030544 (Not preserved), 5C-030545 (HCL), 5C-030546 (HCL), 5C-030547 (HCL), 5C-030548 (HCL), 5C-030549 (HCL), 5C-030550 (HCL), 5C-030551 (HCL), 5C-030552 (HCL), 5C-030553 (HCL) (15)	CW-2	S: 1/12/2011	11:07	ME5302	AH 1/14/11
E5314	Ground Water/ Kirk Mammoliti	L/G	CLP SVOA (7), CLP VOA (7)	5C-030498 (Not preserved), 5C-030499 (Not preserved), 5C-030500 (HCL), 5C-030501 (HCL), 5C-030502 (HCL) (5)	GW-2-FD	S: 1/12/2011	11:15	ME5314	
E5315	Ground Water/ Ryan M. Lunt	L/G	CLP SVOA (7), CLP VOA (7)	5C-030512 (Not preserved), 5C-030513 (Not preserved), 5C-030514 (HCL), 5C-030515 (HCL), 5C-030516 (HCL) (5)	GW-FB	S: 1/11/2011	18:05	ME5315	
E5316	Ground Water/ Ryan M. Lunt	L/G	CLP SVOA (7), CLP VOA (7)	5C-030519 (Not preserved), 5C-030520 (Not preserved), 5C-030521 (HCL), 5C-030522 (HCL), 5C-030523 (HCL) (5)	GW-Rinsate	S: 1/12/2011	16:10	ME5316	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E5302	K. Mammoliti	3/3	

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? y Shipment Iced? X

CLP SVOA = CLP TCL Semivolatiles, CLP VOA = CLP TCL Volatiles

R Number: 5-241334765-011311-0004

LABORATORY COPY

R provides preliminary results. Requests for preliminary results will increase analytical costs.
end Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

1101428

tract Laboratory Program
ıffic Report & Chain of Custody Record

Case No: 40949
DAS No·
SDG No: E5271

L

Date Shipped:	1/13/2011
Carrier Name:	FedEx
Airbill:	
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Ryan M. Lunt	01/13/2011 1700	[illegible]	1/14/11 0934
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No: EPW 5026
Unit Price: N/A
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E52Z1	Ground Water/ Kirk Mammoliti	L/G	CLP SVOA (7), CLP VOA (7)	5C-030485 (Not preserved), 5C-030486 (Not preserved), 5C-030487 (HCL), 5C-030488 (HCL), 5C-030489 (HCL) (5)	GW-1	S: 1/12/2011	9:15	ME52Z1	
E52Z2	Ground Water/ Kirk Mammoliti	L/G	CLP SVOA (7), CLP VOA (7)	5C-030492 (Not preserved), 5C-030493 (HCL), 5C-030494 (HCL), 5C-030495 (HCL), 5C-030562 (Not preserved) (5)	GW-2	S· 1/12/2011	11:15	ME52Z2	
E52Z8	Ground Water/ Ryan M. Lunt	L/G	CLP SVOA (7), CLP VOA (7)	5C-030471 (Not preserved), 5C-030472 (Not preserved), 5C-030473 (HCL), 5C-030474 (HCL), 5C-030475 (HCL) (5)	RW-1	S: 1/11/2011	15:57	ME52Z8	
E5300	Ground Water/ Ryan M. Lunt	L/G	CLP SVOA (7), CLP VOA (7)	5C-030478 (Not preserved), 5C-030479 (Not preserved), 5C-030480 (HCL), 5C-030481 (HCL), 5C-030482 (HCL) (5)	RW-3	S: 1/11/2011	17.35	ME5300	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Yes	~~[illegible]~~ E5302	K. Mammoliti	3/3	

Analysis Key: **Concentration:** L = Low, M = Low/Medium, H = High **Type/Designate:** Composite = C, Grab = G **Custody Seal Intact?** Y **Shipment Iced?** X

CLP SVOA = CLP TCL Semivolatiles, CLP VOA = CLP TCL Volatiles

'R Number: [redacted]241334765-011311-0004 [redacted] LABORATORY CO[redacted]

R provides preliminary [redacted] Requests for preliminary results will increase analytical costs.
end Copy to: Sample [redacted]gement Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 7[redacted]18-4200; Fax 703/818-4602

F2V5.1.047 Page [redacted] 3

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: E52Z1

☐ ARO ☐ PEST ☒ BNA ☐ BNASIM ☐ VT ☐ VOASIM ☒ VLM

Laboratory Name: ALS Laboratory Group (SLC)

Laboratory Code: DATAC

Contract No.: EPW05026

Case No.: 40949

Analysis Price N/A

SDG Turnaround: 7

Modified Analysis Requested: NO

Modification Reference No.: N/A

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) E52Z1	7) E5315	13)	19)
2) E52Z2	8) E5316	14)	20)
3) E52Z8	9) E5317	15)	21)
4) E5300	10) E5320	16)	22)
5) E5302	11)	17)	23)
6) E5314	12)	18)	24)

E52Z1	E5320
First Sample in SDG	Last Sample in SDG
01/14/11	01/15/11
First Sample Receipt Date	Last Sample Receipt Date

Note: *There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach the TR/COC records to this form in alphanumeric order (the order listed above on this form)*

Signature: [illegible]

Date: 1/20/2011

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 24 JAN 2011

FROM: Timothy Prendiville, Supervisor (**SR-6J**)
Superfund Contract Management Section

TO: Data User: Seaguee

We have reviewed the data for the following case:

SITE NAME: Chemetco (Fr)

CASE NUMBER: 40949 SDG NUMBER: E52Z1

Number and Type of Samples: 10 water samples

Sample Numbers: E52Z1-~~Z8~~ Z2; Z8; E5300; E5302; E5314-17

E5320

Laboratory: ALS Laboratory Group Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: **SA-5J**

National Functional Guidelines Repo

9:35 Tue 2011

ATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5320 Location=GW-3 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier

National Functional Guidelines Report # 9

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5316 Location=GW-Rinsate Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown (1)	9 7335	3.9035		J

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5315 Location=GW-FB Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
95-16-9	Benzothiazole	6 6514	6 1437	ug/L	JN
	Unknown (1)	7.6573	2 1527		J
74367-34-3	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trime	7.8337	2.5673		JN
134-62-3	Diethyltoluamide	9 6689	3 2883		JN
	Unknown (2)	19 1565	18.32		J
	Unknown (3)	24.715	17.5345		J

National Functional Guidelines Report # 9

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5314 Location=GW-2-FD Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown (1)	6 5515	2.498	ug/L	J
	Unknown (2)	6.722	3.047		J
2948-46-1	.alpha ,.alpha.,.alpha.',.alpha.'-Tetramethyl-1,	8.6043	3.2115		JN
	Unknown (3)	14 6333	2.1267		J

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5302 Location=CW-2 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier

National Functional Guidelines Report # 9

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E5300 Location=RW-3 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E52Z8 Location=RW-1 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown (1)	6.5339	2.7786	ug/L	J
	Unknown (2)	16.8626	2.1156		J

National Functional Guidelines Report # 9

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E52Z2 Location=GW-2 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown (1)	6.5456	2.6642	ug/L	J
	Unknown (2)	6 7162	2.9543		J
2948-46-1	.alpha.,.alpha.,.alpha.',.alpha.'-Tetramethyl-1,	8 6043	3.4425		JN
	Unknown (4)	22.421	2.1026		J

National Functional Guidelines Rep[illegible]9

9:35 T[illegible], 2011

DATAC (ALS Laboratory Group) **SDG** E52Z1 **Case** 40949 **Contract** EPW05026 **Region** 5 **DDTID** 113312 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E52Z1 Location=GW-1 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
20548-62-3	Phthalic acid, bis(7-methyloctyl) ester	16.8567	4 1916	ug/L	JN
	Unknown (1)	17.0391	2.6193		J
	Unknown (2)	17.1096	2.4439		J
	Unknown (3)	17 192	2.3021		J
	Unknown (4)	17.2332	2 8988		J
	Unknown (5)	17 3096	2 6818		J
	Unknown (6)	17.4155	2.8253		J
	Unknown (7)	17 4919	2 0795		J

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: VHBLKW1	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH.	Sample Date	Sample Time.
% Moisture :		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	10	ug/L	1.0	U	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1 0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No. 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code: DATAC
Sample Number: VBLKW2	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH.	Sample Date:	Sample Time:
% Moisture .		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.60	ug/L	1.0	J	J	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	10	ug/L	1.0	U	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1 0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	0.27	ug/L	1.0	J	J	Yes	
[illegible]chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: VBLKW1	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH.	Sample Date:	Sample Time.
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.77	ug/L	1.0	J	J	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.49	ug/L	1.0	J	J	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.43	ug/L	1.0	J	J	Yes	
1,4-Dichlorobenzene	0.59	ug/L	1.0	J	J	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	10	ug/L	1.0	U	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	UJ	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	U	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	0.15	ug/L	1.0	J	J	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	0.34	ug/L	1.0	J	J	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	0.39	ug/L	1.0	J	J	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	0.34	ug/L	1.0	J	J	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	0.16	ug/L	1.0	J	J	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	0.28	ug/L	1.0	J	J	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	0.32	ug/L	1.0	J	J	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: SBLK75	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH.	Sample Date.	Sample Time.
% Moisture :		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
Methylphenol	5.0	ug/L	1.0	U	U	Yes	
Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	0.23	ug/L	1.0	J	J	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	1.9	ug/L	1.0	J	J	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	3.1	ug/L	1.0	J	J	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	0.44	ug/L	1.0	J	J	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	5.0	ug/L	1.0	U	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	0.20	ug/L	1.0	J	J	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code: DATAC
Sample Number: SBLK39	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location.	pH.	Sample Date.	Sample Time:
% Moisture .		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.3	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.3	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.3	ug/L	1.0	U	U	Yes	
Naphthalene	5.3	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.3	ug/L	1.0	U	U	Yes	
Pentachlorophenol	11	ug/L	1.0	U	U	Yes	
Phenanthrene	5.3	ug/L	1.0	U	U	Yes	
Phenol	5.3	ug/L	1.0	J	U	Yes	
Phthalic acid, monoethyl ester			1.0	JN	U	Yes	
Phthalic anhydride			1.0	JN	U	Yes	
Pyrene	5.3	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	11	ug/L	1.0	U	U	Yes	
Acenaphthene	5.3	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.3	ug/L	1.0	U	U	Yes	
Acetophenone	5.3	ug/L	1.0	JB	U	Yes	
Anthracene	5.3	ug/L	1.0	U	U	Yes	
Atrazine	5.3	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.3	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.3	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.3	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.3	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.3	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.3	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.3	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.3	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	27	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	5.3	ug/L	1.0	U	U	Yes	
Caprolactam	5.3	ug/L	1.0	U	U	Yes	
Carbazole	5.3	ug/L	1.0	U	U	Yes	
Chrysene	5.3	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.3	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.3	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.3	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.3	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.3	ug/L	1.0	J	U	Yes	
Dimethylphthalate	5.3	ug/L	1.0	U	U	Yes	
Fluoranthene	5.3	ug/L	1.0	U	U	Yes	
Fluorene	5.3	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.3	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.3	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.3	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.3	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.3	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code DATAC
Sample Number: E5320	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-3	pH 6.0	Sample Date. 01122011	Sample Time. 12:50.00
% Moisture .		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.3	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	0.17	ug/L	1.0	J	J	Yes	
2,2'-Oxybis(1-chloropropane)	5.3	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.3	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.3	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.3	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.3	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.3	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	11	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.3	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.3	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.3	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.3	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.3	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.3	ug/L	1.0	U	U	Yes	
2-Nitroaniline	11	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.3	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.3	ug/L	1.0	U	U	Yes	
3-Nitroaniline	11	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	11	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.3	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.3	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.3	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.3	ug/L	1.0	U	U	Yes	
Methylphenol	5.3	ug/L	1.0	U	U	Yes	
Nitroaniline	11	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	0.61	ug/L	1.0	J	J	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	0.35	ug/L	1.0	J	J	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	2.8	ug/L	1.0	J	J	Yes	
Toluene	5.0	ug/L	1.0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0			Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	0.83	ug/L	1.0	J	J	Yes	
cis-1,2-Dichloroethene	9.4	ug/L	1.0			Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	0.44	ug/L	1.0	J	J	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.70	ug/L	1.0	J	J	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: E5320	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-3	pH: 6.0	Sample Date: 01122011	Sample Time. 12:50.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	62	ug/L	1.0			Yes	
1,1-Dichloroethene	19	ug/L	1.0			Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	JB	U	Yes	
Dibromo-3-oropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.64	ug/L	1.0	J	J	Yes	
1,4-Dichlorobenzene	2.0	ug/L	1.0	J	J	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	1.0	ug/L	1.0	J	J	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
on disulfide	0.43	ug/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	0.39	ug/L	1.0	J	J	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E5317	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-TB	pH. 1.0	Sample Date. 01112011	Sample Time. 18.00:00
% Moisture :		% Solids ·	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
[illegible]Dibromo-3-[illegible]loropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	5.0	ug/L	1.0	J	J	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
[illegible]romomethane	5.0	ug/L	1.0	U	U	Yes	
[illegible]on disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Pentanoic acid, 2,2,4-trimethyl-3-carboxyisoprop			1.0	JN		Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	JB	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzothiazole			1.0	JN	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-[illegible]oethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	0.24	ug/L	1.0	J	J	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	J	U	Yes	
Caprolactam	5.0	ug/L	1.0	J	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1 0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	J	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclo[illegible]pentadiene	5.0	ug/L	1.0	U	U	Yes	
[illegible]achloroethane	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code: DATAC
Sample Number: E5316	Method: BNA	Matrix. Water	MA Number: DEFAULT
Sample Location: GW-Rinsate	pH. 6.0	Sample Date. 01122011	Sample Time. 16.10.00
% Moisture :		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1 0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	1.4	ug/L	1.0	J	J	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1 0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: E5316	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-Rinsate	pH 1.0	Sample Date. 01122011	Sample Time 16:10.00
% Moisture .		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	0.34	ug/L	1.0	J	J	Yes	
Phthalic acid, monoethyl ester			1.0	JN		Yes	
Picolinyl 8-(5-hexyl-2-furyl)-octanoate			1.0	JN		Yes	
Propanoic acid, 2-methyl-, 2,2-[illegible]ethyl-1-(2-[illegible] hyd[illegible]			1.0	JN		Yes	
[illegible]panoic acid, 2-methyl-, 3-hydroxy-2,4,4-trime[illegible]			1.0	JN		Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzothiazole			1.0	JN		Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	0.25	ug/L	1.0	J	J	Yes	
Caprolactam	2.0	ug/L	1.0	J	J	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	3.5	ug/L	1.0	J	J	Yes	
Diethyltoluamid			1.0	JN		Yes	
Dimethylphthalate	0.27	ug/L	1.0	J	J	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No: E52Z1	Lab Code: DATAC
Sample Number: E5315	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-FB	pH. 6.0	Sample Date. 01112011	Sample Time. 18.05:00
% Moisture .		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
[illegible]ethylphenol	5.0	ug/L	1.0	U	U	Yes	
[illegible]itroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E5315	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-FB	pH: 1.0	Sample Date. 01112011	Sample Time. 18.05.00
% Moisture .		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Dibromo-3-oropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
on disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
Methyl octyl ether			1.0	JN		Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	J	U	Yes	
Phthalic anhydride			1.0	JN	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1 0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: E5314	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-2-FD	pH 6.0	Sample Date. 01122011	Sample Time. 11.15.00
% Moisture .		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
.alpha.,.alpha.,.alpha.',.alpha.'-Tetramethyl-1,			1.0	JN		Yes	
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,1'-Methylenebis(3-methylpiperidine)			1.0	JN		Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1-Hexanol, 6-mercapto-			1.0	JN		Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
2-Thiazolamine, 4-(4-methoxyphenyl)-N-(4-methylp			1.0	JN	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochlorom ethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzen e	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexa ne	5.0	ug/L	1 0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethen e	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code DATAC
Sample Number: E5314	Method: VOA_Low_Med	Matrix· Water	MA Number: DEFAULT
Sample Location. GW-2-FD	pH. 1 0	Sample Date. 01122011	Sample Time 11:15.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	10	ug/L	1.0	U	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	0.28	ug/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	48	ug/L	1.0			Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	51	ug/L	1.0			Yes	
Trichloroethene	55	ug/L	1.0			Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1 0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code: DATAC
Sample Number: E5302MSD	Method: VOA_Low_Med	Matrix: Water	MA Number DEFAULT
Sample Location:	pH· 1.0	Sample Date: 01122011	Sample Time. 11.07.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1 0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	58	ug/L	1.0			Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	61	ug/L	1.0			Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	34	ug/L	1.0			Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	40	ug/L	1.0			Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	28	ug/L	1.0	B		Yes	
Pyrene	44	ug/L	1.0			Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	39	ug/L	1.0			Yes	
Acenaphthene	36	ug/L	1.0			Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	5.0	ug/L	1.0	U	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E5302MSD	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH: 6.0	Sample Date. 01122011	Sample Time 11.07.00
% Moisture :		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	0.35	ug/L	1.0	J	J	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	38	ug/L	1 0			Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	28	ug/L	1.0			Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	34	ug/L	1.0			Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1 0	U	U	Yes	
Methylphenol	5.0	ug/L	1.0	U	U	Yes	
Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	34	ug/L	1.0			Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	33	ug/L	1.0			Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	30	ug/L	1.0	B		Yes	
Pyrene	35	ug/L	1.0			Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	34	ug/L	1.0			Yes	
Acenaphthene	31	ug/L	1.0			Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	5.0	ug/L	1.0	U	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	U	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: E5302MS	Method: BNA	Matrix: Water	MA Number. DEFAULT
Sample Location.	pH. 6.0	Sample Date 01122011	Sample Time: 11:07.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	0.30	ug/L	1.0	J	J	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	33	ug/L	1.0			Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	29	ug/L	1.0			Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	31	ug/L	1.0			Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	50	ug/L	1.0			Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
[illegible]chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	54	ug/L	1.0			Yes	
Trichloroethene	57	ug/L	1.0			Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1 0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code DATAC
Sample Number: E5302MS	Method. VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH. 1.0	Sample Date: 01122011	Sample Time. 11.07.00
% Moisture :		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	61	ug/L	1.0		J	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	63	ug/L	1.0			Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N,N'-Bis(2-hydroxy-alpha-methylbenzylidene)ethyl			1.0	JN	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	JB	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5 0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	J	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number. E5302	Method: BNA	Matrix: Water	MA Number· DEFAULT
Sample Location: CW-2	pH. 6.0	Sample Date. 01122011	Sample Time. 11:07.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-[illegible]trotoluene	5.0	ug/L	1 0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5 0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1 0	U	U	Yes	
[illegible]Methylphenol	5.0	ug/L	1.0	U	U	Yes	
[illegible]itroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5 0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochlorom ethane	5.0	ug/L	1 0	U	U	Yes	
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1 0	U	U	Yes	
Isopropylbenzen e	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethen e	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5 0	ug/L	1.0	U	U	Yes	
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No. 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E5302	Method: VOA_Low_Med	Matrix: Water	MA Number. DEFAULT
Sample Location: CW-2	pH. 1.0	Sample Date. 01122011	Sample Time. 11.07.00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Dibromo-3-bropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
on disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No. E52Z1	Lab Code DATAC
Sample Number: E5300	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: RW-3	pH. 1.0	Sample Date. 01112011	Sample Time. 17:35:00
% Moisture		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5 0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Dibromo-3-bropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0		U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
on disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Hexachloroethane	5.0	ug/L	1 0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	J	U	Yes	
Phthalic anhydride			1.0	JN	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	U	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie			1.0	JN	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	5.0	ug/L	1.0	U	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E5300	Method: BNA	Matrix: Water	MA Number. DEFAULT
Sample Location: RW-3	pH. 6 0	Sample Date: 01112011	Sample Time. 17:35:00
% Moisture .		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Hexachlorocyclo pentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethan e	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenyla mine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophen ol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	J	U	Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Picolinyl 8-(5-hexyl-2-furyl)-octanoate			1.0	JN	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	JB	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie			1.0	JN	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	J	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
Ethanol, 2-[(2-ethylhexyl)oxy]-			1.0	JN		Yes	
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code DATAC

Sample Number:	E52Z8	Method:	BNA	Matrix:	Water	MA Number:	DEFAULT
Sample Location.	RW-1	pH:	6.0	Sample Date.	01112011	Sample Time	15:57.00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1 0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	.1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	U	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E52Z8	Method: VOA_Low_Med	Matrix. Water	MA Number. DEFAULT
Sample Location: RW-1	pH. 1 0	Sample Date. 01112011	Sample Time. 15.57.00
% Moisture :		% Solids	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
[illegible] Dibromo-3-[illegible]ropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1 0	U	U	Yes	
[illegible]bon disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5 0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code. DATAC
Sample Number: E52Z2	Method: VOA_Low_Med	Matrix: Water	MA Number· DEFAULT
Sample Location: GW-2	pH. 1.0	Sample Date. 01122011	Sample Time. 11.15.00
% Moisture .		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
[illegible]Dibromo-3-[illegible]ropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	U	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
[illegible]on disulfide	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	J	U	Yes	
Phthalic anhydride			1.0	JN	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	JB	U	Yes	
zo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
zo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie			1.0	JN	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	5 0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	U	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	J	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	
anol, 2-[(2-hexyl)oxy]-			1.0	JN		Yes	

Case No: 40949	Contract. EPW05026	SDG No. E52Z1	Lab Code. DATAC
Sample Number: E52Z2	Method. BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-2	pH. 6.0	Sample Date. 01122011	Sample Time. 11:15 00
% Moisture .		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
.alpha.,.alpha.,.alpha.',.alpha.'-Tetramethyl-1,			1.0	JN		Yes	
1,1'-Biphenyl	5.0	ug/L	1 0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1-Hexanol, 6-mercapto-			1.0	JN		Yes	
16-Hexadecanoyl hydrazide			1.0	JN		Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5 0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Chloroethane	5.0	ug/L	1.0	U	U	Yes	
Chloroform	5.0	ug/L	1.0	U	U	Yes	
Chloromethane	5.0	ug/L	1.0	U	U	Yes	
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Dichlorodifluoromethane	5.0	ug/L	1.0	U	U	Yes	
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	
Styrene	5.0	ug/L	1.0	U	U	Yes	
chloroethene	5.0	ug/L	1.0	U	U	Yes	
Toluene	5.0	ug/L	1.0	J	U	Yes	
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	
o-Xylene	5.0	ug/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	

Case No: 40949	Contract: EPW05026	SDG No: E52Z1	Lab Code: DATAC
Sample Number: E52Z1	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location. GW-1	pH 1.0	Sample Date. 01122011	Sample Time. 09.15.00
% Moisture .		% Solids .	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	
2-Butanone	10	ug/L	1.0	U	U	Yes	
2-Hexanone	10	ug/L	1.0	U	U	Yes	
4-Methyl-2-Pentanone	10	ug/L	1.0	U	U	Yes	
Acetone	20	ug/L	1.0	J	U	Yes	
Benzene	5.0	ug/L	1.0	U	U	Yes	
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	
Bromoform	5.0	ug/L	1.0	U	UJ	Yes	
Bromomethane	5.0	ug/L	1.0	U	U	Yes	
Carbon disulfide	1.2	ug/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ester			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, isohexyl tetradecyl ester			1.0	JN		Yes	
Picolinyl 8-(5-hexyl-2-furyl)-octanoate			1 0	JN	U	Yes	
Pyrene	5.0	ug/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Fluorene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorobutadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachlorocyclopentadiene	5.0	ug/L	1.0	U	U	Yes	
Hexachloroethane	5.0	ug/L	1.0	U	U	Yes	
Indeno(1,2,3-cd)pyrene	5.0	ug/L	1.0	U	U	Yes	
Isophorone	5.0	ug/L	1.0	U	U	Yes	
N-Nitroso-di-n-propylamine	5.0	ug/L	1.0	U	U	Yes	
N-Nitrosodiphenylamine	5.0	ug/L	1.0	U	U	Yes	
Naphthalene	5.0	ug/L	1.0	U	U	Yes	
Nitrobenzene	5.0	ug/L	1.0	U	U	Yes	
Pentachlorophenol	10	ug/L	1.0	U	U	Yes	
Phenanthrene	5.0	ug/L	1.0	U	U	Yes	
Phenol	5.0	ug/L	1.0	J	U	Yes	
Phthalic acid, 2-(2-methoxyethyl)he			1.0	JN		Yes	
Phthalic acid, 5-methoxy-3-methylpent-2-yl nonyl			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-methyloctyl)			1.0	JN		Yes	
Phthalic acid, bis(7-			1.0	JN		Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
4-Chloro-3-methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Chloroaniline	5.0	ug/L	1.0	U	U	Yes	
4-Chlorophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	
4-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
4-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4-Nitrophenol	10	ug/L	1.0	U	U	Yes	
Acenaphthene	5.0	ug/L	1.0	U	U	Yes	
Acenaphthylene	5.0	ug/L	1.0	U	U	Yes	
Acetophenone	5.0	ug/L	1.0	JB	U	Yes	
Anthracene	5.0	ug/L	1.0	U	U	Yes	
Atrazine	5.0	ug/L	1.0	U	U	Yes	
Benzaldehyde	5.0	ug/L	1.0	JB	U	Yes	
Benzo(a)anthracene	5.0	ug/L	1.0	U	U	Yes	
Benzo(a)pyrene	5.0	ug/L	1.0	U	U	Yes	
Benzo(b)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo(g,h,i)perylene	5.0	ug/L	1.0	JB	U	Yes	
Benzo(k)fluoranthene	5.0	ug/L	1.0	U	U	Yes	
Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie			1.0	JN	U	Yes	
Bis(2-chloroethoxy)methane	5.0	ug/L	1.0	U	U	Yes	
Bis(2-chloroethyl)ether	5.0	ug/L	1.0	U	U	Yes	
Bis(2-ethylhexyl)phthalate	25	ug/L	1.0	JB	U	Yes	
Butylbenzylphthalate	5.0	ug/L	1.0	U	U	Yes	
Caprolactam	5.0	ug/L	1.0	U	U	Yes	
Carbazole	5.0	ug/L	1.0	U	U	Yes	
Chrysene	5.0	ug/L	1.0	U	U	Yes	
Di-n-butylphthalate	5.0	ug/L	1.0	JB	U	Yes	
Di-n-octylphthalate	5.0	ug/L	1.0	U	U	Yes	
Dibenzo(a,h)anthracene	5.0	ug/L	1.0	JB	U	Yes	
Dibenzofuran	5.0	ug/L	1.0	U	U	Yes	
Diethylphthalate	5.0	ug/L	1.0	J	U	Yes	
Dimethylphthalate	5.0	ug/L	1.0	U	U	Yes	

Sample Summary Report

Case No:	40949	Contract:	EPW05026	SDG No:	E52Z1	Lab Code.	DATAC
Sample Number:	E52Z1	Method:	BNA	Matrix:	Water	MA Number.	DEFAULT
Sample Location:	GW-1	pH.	6.0	Sample Date.	01122011	Sample Time.	09:15.00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1'-Biphenyl	5.0	ug/L	1.0	U	U	Yes	
1,2,4,5-Tetrachlorobenzene	5.0	ug/L	1.0	U	U	Yes	
1,2-Benzenedicarboxylic acid, dinonyl ester			1.0	JN		Yes	
2,2'-Oxybis(1-chloropropane)	5.0	ug/L	1.0	U	U	Yes	
2,3,4,6-Tetrachlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,5-Trichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4,6-Trichlorophenol	5 0	ug/L	1.0	U	U	Yes	
2,4-Dichlorophenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dimethylphenol	5.0	ug/L	1.0	U	U	Yes	
2,4-Dinitrophenol	10	ug/L	1.0	U	U	Yes	
2,4-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2,6-Dinitrotoluene	5.0	ug/L	1.0	U	U	Yes	
2-Chloronaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Chlorophenol	5.0	ug/L	1.0	U	U	Yes	
2-Methylnaphthalene	5.0	ug/L	1.0	U	U	Yes	
2-Methylphenol	5.0	ug/L	1.0	U	U	Yes	
2-Nitroaniline	10	ug/L	1.0	U	U	Yes	
2-Nitrophenol	5.0	ug/L	1.0	U	U	Yes	
3,3'-Dichlorobenzidine	5.0	ug/L	1.0	U	U	Yes	
3-Nitroaniline	10	ug/L	1.0	U	U	Yes	
4,6-Dinitro-2-methylphenol	10	ug/L	1.0	U	U	Yes	
4-Bromophenyl-phenylether	5.0	ug/L	1.0	U	U	Yes	

Case Number: 40949
Site Name: Chemetco (IL)

SDG Number: E52Z1
Laboratory: ALS Laboratory Group

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Reviewed by: Christina Rice / TechLaw-ESAT
Date: February 4, 2011

CAS No. 20548-62-3 – Phthalic acid, bis(7-methyloctyl)ester
E52Z1

A library search indicates a match below 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "J".

Unknown @ 6.55
E52Z2, E52Z8, E5314

Unknown @ 6.72
E52Z2, E5314

Unknown @ 7.66; Unknown @ 19.16; Unknown @ 24.72
E5315

Unknown @ 9.73
E5316

Unknown @ 14.63
E5314

Unknown @ 16.86
E52Z8

Unknown @ 17.04; Unknown @ 17.11; Unknown @ 17.19; Unknown @ 17.23;
Unknown @ 17.31; Unknown @ 17.42; Unknown @ 17.49
E52Z1

Unknown @ 22.42
E52Z2

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

The following semivolatile samples have a TIC compound incorrectly reported on the laboratory Form I and the TIC report. The TICs were reported with CAS numbers instead of "unknown" when a library search indicated a match below 85%. The TICs were renamed and flagged "J" by the reviewer. Some TICs were ultimately removed and flagged "U" due to blank contamination.

E52Z1, E52Z2, E52Z8, E5300, E5302, E5314, E5315, E5316, E5320

E5320
Vinyl chloride, Carbon disulfide, trans-1,2-Dichloroethene, Benzene, Tetrachloroethene, Chlorobenzene, Ethylbenzene, m,p-Xylene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene

VBLKW1
Styrene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

VBLKW2
1,2,4-Trichlorobenzene

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E5302MS, E5302MSD
2,3,4,6-Tetrachlorophenol

E5315
Phenol, Caprolactam, Dimethylphthalate, Diethylphthalate, Butylbenzylphthalate

E5316
Bis(2-ethylhexyl)phthalate

E5320
1,2,4,5-Tetrachlorobenzene

SBLK39
Benzaldehye, Phenol, Acetophenone, Di-n-butylphthalate, Benzo(g,h,i)perylene

SBLK75
Benzaldehyde, Acetophenone, Di-n-butylphthalate, Bis(2-ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "NJ".

CAS No. 95-16-9 – Benzothiazole;
CAS No. 134-62-3 – Diethyltoluamide;
CAS No. 74367-34-3 – Propanoic acid, 2-methyl-, 3-hydroxy-2,4
E5315

CAS No. 2948-46-1 – .alpha.,.alpha.,.alpha.',.alpha.'-Tetram
E52Z2, E5314

Semivolatile Compounds	E5316
	µg/L, Df 1
Bis(2-ethylhexyl)phthalate	0.24
# SVOA TICs	1

Samples E52Z2 / E5314 were identified as a field duplicate pair. Results are summarized in the following tables:

Volatile Compounds	E52Z2	E5314	%RPDs
	µg/L, Df 1	µg/L, Df 1	
Carbon disulfide	ND	0.28	200

Semivolatile Compounds	E52Z2	E5314	%RPDs
	µg/L, Df 1	µg/L, Df 1	
# SVOA TICs	4	4	0

Results are not qualified based upon the results of the field duplicates.

8. INTERNAL STANDARDS

No problems were found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all low/med volatile and semivolatile compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E52Z1, E5314
Carbon disulfide

E5316
Methylene chloride

E5317
Acetone, Toluene

6A. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample E5302 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

The following semivolatile matrix spike/matrix spike duplicate samples have percent recoveries greater than the upper acceptance criteria but less than 100%. Detected and non-detected compounds in the unspiked sample, E5302, are not qualified.

E5302MS, E5302MSD
4-Nitrophenol

6B. LABORATORY CONTROL SAMPLE

Not applicable to the low/med volatile and semivolatile analyses.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E5317 was identified as a trip blank. Results are summarized in the following table:

Volatile Compounds	**E5317**
	µg/L, Df 1
Acetone	5.0
Toluene	0.39

Sample E5315 was identified as a field blank. Results are summarized in the following table:

Semivolatile Compounds	**E5315**
	µg/L, Df 1
Phenol	0.34
Caprolactam	2.0
Dimethylphthalate	0.27
Diethylphthalate	3.5
Butylbenzylphthalate	0.25
# SVOA TICs	6

Sample E5316 was identified as a rinsate blank. Results are summarized in the following tables:

Volatile Compounds	**E5316**
	µg/L, Df 1
Methylene chloride	1.4

The following semivolatile samples have analyte concentrations reported less than the CRQL. The associated field blank concentration is less than the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

E52Z1, E52Z2, E52Z8, E5320
Phenol, Diethylphthalate

E5300, E5314
Phenol

E5316
Caprolactam, Diethylphthalate, Butylbenzylphthalate

The following semivolatile samples have TIC concentrations reported less than 5X the associated field blank concentration. Detected compounds are re-qualified "U" and deleted from the TIC report.

E52Z1, E52Z2, E52Z8, E5300, E5314, E5320
Unknown @ 19.16, Unknown @ 24.72

E5302
Unknown @ 19.16

E5316
CAS No. 95-16-9 – Benzothiazole

The following semivolatile samples have common contaminant concentrations reported less than 5x the CRQL. The associated rinsate blank concentration is less than 5x the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to 5x the CRQL.

E5302
Bis(2-ethylhexyl)phthalate

5. DEUTERATED MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile sample has DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified "J". Non-detected compounds are not qualified for this criteria.

E5302MS
1,1-Dichloroethene, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane

less than 2x the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to 2x the CRQL.

E52Z1, E52Z2, E52Z8, E5300, E5302, E5302MS, E5302MSD, E5315, E5316, E5320
Acetone

The following volatile samples have analyte concentrations reported less than the CRQL. The associated trip blank concentration is less than the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

E52Z1, E52Z2, E5314, E5315, E5316, E5320
Toluene

The following semivolatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

E52Z1, E52Z2, E52Z8, E5300, E5302, E5302MS, E5302MSD, E5314, E5315, E5316, E5320
Benzaldehyde, Acetophenone

E52Z1, E52Z2, E52Z8, E5300, E5302, E5302MSD, E5314, E5315, E5316, E5320
Di-n-butylphthalate

E52Z1
Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

E52Z2, E52Z8
Benzo(g,h,i)perylene

E5302, E5316
Phenol

The following semivolatile samples have common contaminant concentrations reported less than 5x the CRQL. The associated method blank concentration is less than 5x the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to 5x the CRQL.

E52Z1, E52Z2, E52Z8, E5314, E5315, E5320
Bis(2-ethylhexyl)phthalate

Case Number: 40949
Site Name: Chemetco (IL)

SDG Number: E52Z1
Laboratory: ALS Laboratory Group

1. HOLDING TIME

No problems were found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found.

3. CALIBRATION

The following volatile samples are associated with an initial calibration and opening / closing CCVs with relative response factors (RRFs) outside criteria. The compound was not detected in the samples. Non-detected compounds are qualified "R".

E52Z1, E52Z2, E52Z8, E5300, E5302, E5302MS, E5302MSD, E5314, E5315, E5316, E5317, E5320, VBLKW1, VBLKW2, VHBLKW1
1,4-Dioxane

The following volatile samples are associated with an initial calibration and opening / closing CCVs in which a DMC did not meet relative response factor (RRF) criteria. Detected and non-detected compounds are not qualified.

E52Z1, E52Z2, E52Z8, E5300, E5302, E5302MS, E5302MSD, E5314, E5315, E5316, 35317, E5320, VBLKW1, VBLKW2, VHBLKW1
1,4-Dioxane-d8

The following volatile samples are associated with an opening CCV percent difference (%D) outside criteria. The compound was not detected in the samples. Non-detected compounds are qualified "UJ".

E52Z1, VBLKW1
Bromoform

4. BLANKS

The following volatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified "U". Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

E5320
1,2,4-Trichlorobenzene

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated trip blank has common contaminant analyte concentration

Case Number: 40949
Site Name: Chemetco (IL)

SDG Number: E52Z1
Laboratory: ALS Laboratory Group

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Ten (10) preserved water samples; E52Z1, E52Z2, E52Z8, E5300, E5302, E5314 through E5317, and E5320, were shipped to DataChem (ALS) Laboratory located in Salt Lake City, UT. All samples were collected between 1-11-2011 and 1-12-2011, and received on 1-14-2011 and 1-15-2011 intact and within the proper shipping temperature range of 2 – 6 °C. According to the laboratory, sample E5320 measured at a pH of 6, and is considered unpreserved.

Sample E5317 was analyzed for only the low/med volatile target compounds. The remaining nine (9) samples were analyzed for the low/med volatile and semvolatile target compounds. All samples were analyzed according to CLP SOW SOM01.2 (6/2007) and reviewed according to the NFG for SOM01.2 and the SOP for ESAT 5/TechLaw Validation of Contract Laboratory Program Organic Data (Version 2.4.1).

Sample E5302 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

Sample E5317 was identified as a trip blank. Sample E5315 was identified as a field blank. Sample E5316 was identified as a rinsate blank.

Samples E52Z2 / E5314 were identified as a field duplicate pair.

Controlled Document

ESAT5.216.00204
ACK
2-7-11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: Review of Data
Received for Review on: January 24, 2011

FROM: Timothy Prendiville, Supervisor (SR-6J)
Superfund Contract Management Section

TO: Data User: Seagull
Email: rlunt@seagullenvirotech.com
Level 3 Data Validation

We have reviewed the data for the following case:

Site Name: Chemetco (IL)

Case Number: 40949 SDG Number: E52Z1

Number and Type of Samples: 10 Waters (Low/Med Volatiles, Semivolatiles)

Sample Numbers: E52Z1, E52Z2, E52Z8, E5300, E5302, E5314 – E5317, E5320

Laboratory: ALS Laboratory Group Hrs for Review:_____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SA-5J

ESAT Controlled Number: ESAT5.217.00417 - pj 8 FEB 2011

DATE: February 8, 2011

Seagull Environmental Technologies, Inc.
ATTN: **Mr. Ryan Lunt**
11905 Gillette Street
Overland Park, KS 66213

SITE NAME: Chemetco (IL) – **level 3 data validation**

Case	Lab	Samples	SDG	Matrix
40949	ALS Lab Group	10	E52Z1	water

Analysis: low/med volatiles, semivolatiles

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE!!!! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by: Ryan M. Lunt Date: 03/11/2011

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

Data is Complete

Received by Data Management Coordinator, CRL for file.

Signature: Ryan M. Lunt Date: 03/11/2011

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Chicago Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Joyner
Data Coordinator
ESAT Region 5 **TechLaw**