GEL Laboratories LLC
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March 05, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 230952
SDG: 230952

Dear Ms. Elizabeth Wessling,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 04, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline A Trudell

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.050104
Chain of Custody: MWHBM20090603_00
Enclosures

GC/MS Volatile Analysis

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952011**	**Date Collected:**	**06/03/2009 10:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.4**
Client ID:	**B1BS0077S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:27**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p114.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:51**	**Aliquot:**	**5.2 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	9.96	ug/kg	2.99	9.96	5.00
79−38−9	Chlorotrifluoroethylene	U	9.96	ug/kg	2.99	9.96	5.00
75−71−8	Dichlorodifluoromethane	U	0.996	ug/kg	0.299	0.996	5.00
74−87−3	Chloromethane	U	0.996	ug/kg	0.299	0.996	5.00
75−01−4	Vinyl chloride	U	0.996	ug/kg	0.299	0.996	2.00
74−83−9	Bromomethane	U	0.996	ug/kg	0.299	0.996	5.00
75−00−3	Chloroethane	U	0.996	ug/kg	0.299	0.996	5.00
75−69−4	Trichlorofluoromethane	U	0.996	ug/kg	0.568	0.996	5.00
67−64−1	Acetone	U	4.98	ug/kg	1.65	4.98	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	0.996	ug/kg	0.299	0.996	5.00
75−09−2	Methylene chloride	U	4.98	ug/kg	1.99	4.98	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	0.996	ug/kg	0.299	0.996	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	0.996	ug/kg	0.299	0.996	2.00
75−34−3	1,1−Dichloroethane	U	0.996	ug/kg	0.299	0.996	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	4.98	ug/kg	1.24	4.98	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	0.996	ug/kg	0.299	0.996	2.00
594−20−7	2,2−Dichloropropane	U	0.996	ug/kg	0.299	0.996	1.00
67−66−3	Chloroform	U	0.996	ug/kg	0.299	0.996	2.00
74−97−5	Bromochloromethane	U	0.996	ug/kg	0.299	0.996	5.00
71−55−6	1,1,1−Trichloroethane	U	0.996	ug/kg	0.299	0.996	2.00
563−58−6	1,1−Dichloropropene	U	0.996	ug/kg	0.299	0.996	2.00
56−23−5	Carbon tetrachloride	U	0.996	ug/kg	0.299	0.996	1.00
107−06−2	1,2−Dichloroethane	U	0.996	ug/kg	0.299	0.996	2.00
71−43−2	Benzene	U	0.996	ug/kg	0.299	0.996	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	0.996	ug/kg	0.299	0.996	2.00
78−87−5	1,2−Dichloropropane	U	0.996	ug/kg	0.299	0.996	2.00
75−27−4	Bromodichloromethane	U	0.996	ug/kg	0.299	0.996	2.00
74−95−3	Dibromomethane	U	0.996	ug/kg	0.299	0.996	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	4.98	ug/kg	1.24	4.98	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	4.98	ug/kg	1.24	4.98	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	0.996	ug/kg	0.299	0.996	2.00
108−88−3	Toluene		2.03	ug/kg	0.299	0.996	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952011**	**Date Collected:**	**06/03/2009 10:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.4**
Client ID:	**B1BS0077S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:27**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p114.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:51**	**Aliquot:**	**5.2 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	0.996	ug/kg	0.299	0.996	2.00
79−00−5	1,1,2−Trichloroethane	U	0.996	ug/kg	0.299	0.996	2.00
591−78−6	2−Hexanone	U	4.98	ug/kg	1.49	4.98	10.0
142−28−9	1,3−Dichloropropane	U	0.996	ug/kg	0.299	0.996	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	0.996	ug/kg	0.299	0.996	2.00
124−48−1	Dibromochloromethane	U	0.996	ug/kg	0.299	0.996	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	0.996	ug/kg	0.299	0.996	2.00
108−90−7	Chlorobenzene	U	0.996	ug/kg	0.299	0.996	2.00
100−41−4	Ethylbenzene	U	0.996	ug/kg	0.299	0.996	2.00
179601−23−1	m,p−Xylenes	U	1.99	ug/kg	0.299	1.99	2.00
95−47−6	o−Xylene	U	0.996	ug/kg	0.299	0.996	2.00
100−42−5	Styrene	J	0.847	ug/kg	0.299	0.996	2.00
75−25−2	Bromoform	U	0.996	ug/kg	0.299	0.996	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	0.996	ug/kg	0.299	0.996	2.00
96−18−4	1,2,3−Trichloropropane	U	0.996	ug/kg	0.299	0.996	1.00
108−86−1	Bromobenzene	U	0.996	ug/kg	0.299	0.996	5.00
103−65−1	n−Propylbenzene	U	0.996	ug/kg	0.299	0.996	2.00
95−49−8	2−Chlorotoluene	U	0.996	ug/kg	0.299	0.996	5.00
98−82−8	Isopropylbenzene	U	0.996	ug/kg	0.299	0.996	2.00
108−67−8	1,3,5−Trimethylbenzene	U	0.996	ug/kg	0.299	0.996	2.00
106−43−4	4−Chlorotoluene	U	0.996	ug/kg	0.299	0.996	5.00
98−06−6	tert−Butylbenzene	U	0.996	ug/kg	0.299	0.996	5.00
95−63−6	1,2,4−Trimethylbenzene	U	0.996	ug/kg	0.299	0.996	2.00
135−98−8	sec−Butylbenzene	U	0.996	ug/kg	0.299	0.996	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	0.996	ug/kg	0.299	0.996	2.00
541−73−1	1,3−Dichlorobenzene	U	0.996	ug/kg	0.299	0.996	2.00
106−46−7	1,4−Dichlorobenzene	U	0.996	ug/kg	0.299	0.996	2.00
104−51−8	n−Butylbenzene	U	0.996	ug/kg	0.299	0.996	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	0.996	ug/kg	0.498	0.996	5.00
87−68−3	Hexachlorobutadiene	U	0.996	ug/kg	0.299	0.996	5.00
87−61−6	1,2,3−Trichlorobenzene	U	0.996	ug/kg	0.299	0.996	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	4.98	ug/kg	1.59	4.98	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952011**	**Date Collected:**	**06/03/2009 10:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.4**
Client ID:	**B1BS0077S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:27**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p114.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:51**	**Aliquot:**	**5.2 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	0.996	ug/kg	0.299	0.996	1.00
120−82−1	1,2,4−Trichlorobenzene	U	0.996	ug/kg	0.299	0.996	5.00
95−50−1	1,2−Dichlorobenzene	U	0.996	ug/kg	0.299	0.996	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	53.6	50.0	ug/L	107	(68%−131%)
Bromofluorobenzene	53.6	50.0	ug/L	107	(68%−133%)
Toluene−d8	52.0	50.0	ug/L	104	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952009**	**Date Collected:**	**06/03/2009 09:35**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**5.9**
Client ID:	**B1BS0078S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 21:32**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p112.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:45**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	9.66	ug/kg	2.90	9.66	5.00
79−38−9	Chlorotrifluoroethylene	U	9.66	ug/kg	2.90	9.66	5.00
75−71−8	Dichlorodifluoromethane	U	0.966	ug/kg	0.290	0.966	5.00
74−87−3	Chloromethane	U	0.966	ug/kg	0.290	0.966	5.00
75−01−4	Vinyl chloride	U	0.966	ug/kg	0.290	0.966	2.00
74−83−9	Bromomethane	U	0.966	ug/kg	0.290	0.966	5.00
75−00−3	Chloroethane	U	0.966	ug/kg	0.290	0.966	5.00
75−69−4	Trichlorofluoromethane	U	0.966	ug/kg	0.551	0.966	5.00
67−64−1	Acetone	U	4.83	ug/kg	1.60	4.83	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	0.966	ug/kg	0.290	0.966	5.00
75−09−2	Methylene chloride	U	4.83	ug/kg	1.93	4.83	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	0.966	ug/kg	0.290	0.966	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	0.966	ug/kg	0.290	0.966	2.00
75−34−3	1,1−Dichloroethane	U	0.966	ug/kg	0.290	0.966	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	4.83	ug/kg	1.21	4.83	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	0.966	ug/kg	0.290	0.966	2.00
594−20−7	2,2−Dichloropropane	U	0.966	ug/kg	0.290	0.966	1.00
67−66−3	Chloroform	U	0.966	ug/kg	0.290	0.966	2.00
74−97−5	Bromochloromethane	U	0.966	ug/kg	0.290	0.966	5.00
71−55−6	1,1,1−Trichloroethane	U	0.966	ug/kg	0.290	0.966	2.00
563−58−6	1,1−Dichloropropene	U	0.966	ug/kg	0.290	0.966	2.00
56−23−5	Carbon tetrachloride	U	0.966	ug/kg	0.290	0.966	1.00
107−06−2	1,2−Dichloroethane	U	0.966	ug/kg	0.290	0.966	2.00
71−43−2	Benzene	U	0.966	ug/kg	0.290	0.966	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	0.966	ug/kg	0.290	0.966	2.00
78−87−5	1,2−Dichloropropane	U	0.966	ug/kg	0.290	0.966	2.00
75−27−4	Bromodichloromethane	U	0.966	ug/kg	0.290	0.966	2.00
74−95−3	Dibromomethane	U	0.966	ug/kg	0.290	0.966	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	4.83	ug/kg	1.21	4.83	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	4.83	ug/kg	1.21	4.83	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	0.966	ug/kg	0.290	0.966	2.00
108−88−3	Toluene	J	0.459	ug/kg	0.290	0.966	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952009**	**Date Collected:**	**06/03/2009 09:35**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**5.9**
Client ID:	**B1BS0078S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 21:32**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p112.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:45**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	0.966	ug/kg	0.290	0.966	2.00
79−00−5	1,1,2−Trichloroethane	U	0.966	ug/kg	0.290	0.966	2.00
591−78−6	2−Hexanone	U	4.83	ug/kg	1.45	4.83	10.0
142−28−9	1,3−Dichloropropane	U	0.966	ug/kg	0.290	0.966	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	0.966	ug/kg	0.290	0.966	2.00
124−48−1	Dibromochloromethane	U	0.966	ug/kg	0.290	0.966	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	0.966	ug/kg	0.290	0.966	2.00
108−90−7	Chlorobenzene	U	0.966	ug/kg	0.290	0.966	2.00
100−41−4	Ethylbenzene	U	0.966	ug/kg	0.290	0.966	2.00
179601−23−1	m,p−Xylenes	U	1.93	ug/kg	0.290	1.93	2.00
95−47−6	o−Xylene	U	0.966	ug/kg	0.290	0.966	2.00
100−42−5	Styrene	J	0.586	ug/kg	0.290	0.966	2.00
75−25−2	Bromoform	U	0.966	ug/kg	0.290	0.966	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	0.966	ug/kg	0.290	0.966	2.00
96−18−4	1,2,3−Trichloropropane	U	0.966	ug/kg	0.290	0.966	1.00
108−86−1	Bromobenzene	U	0.966	ug/kg	0.290	0.966	5.00
103−65−1	n−Propylbenzene	U	0.966	ug/kg	0.290	0.966	2.00
95−49−8	2−Chlorotoluene	U	0.966	ug/kg	0.290	0.966	5.00
98−82−8	Isopropylbenzene	U	0.966	ug/kg	0.290	0.966	2.00
108−67−8	1,3,5−Trimethylbenzene	U	0.966	ug/kg	0.290	0.966	2.00
106−43−4	4−Chlorotoluene	U	0.966	ug/kg	0.290	0.966	5.00
98−06−6	tert−Butylbenzene	U	0.966	ug/kg	0.290	0.966	5.00
95−63−6	1,2,4−Trimethylbenzene	U	0.966	ug/kg	0.290	0.966	2.00
135−98−8	sec−Butylbenzene	U	0.966	ug/kg	0.290	0.966	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	0.966	ug/kg	0.290	0.966	2.00
541−73−1	1,3−Dichlorobenzene	U	0.966	ug/kg	0.290	0.966	2.00
106−46−7	1,4−Dichlorobenzene	U	0.966	ug/kg	0.290	0.966	2.00
104−51−8	n−Butylbenzene	U	0.966	ug/kg	0.290	0.966	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	0.966	ug/kg	0.483	0.966	5.00
87−68−3	Hexachlorobutadiene	U	0.966	ug/kg	0.290	0.966	5.00
87−61−6	1,2,3−Trichlorobenzene	U	0.966	ug/kg	0.290	0.966	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	4.83	ug/kg	1.55	4.83	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952009**	**Date Collected:**	**06/03/2009 09:35**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**5.9**
Client ID:	**B1BS0078S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 21:32**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p112.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:45**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	0.966	ug/kg	0.290	0.966	1.00
120−82−1	1,2,4−Trichlorobenzene	U	0.966	ug/kg	0.290	0.966	5.00
95−50−1	1,2−Dichlorobenzene	U	0.966	ug/kg	0.290	0.966	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	53.3	50.0	ug/L	107	(68%−131%)
Bromofluorobenzene	52.4	50.0	ug/L	105	(68%−133%)
Toluene−d8	51.7	50.0	ug/L	103	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952001**	**Date Collected:**	**06/03/2009 00:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**4.6**
Client ID:	**B1BS0080D001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:11**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p109.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:30**	**Aliquot:**	**5.3 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	9.89	ug/kg	2.97	9.89	5.00
79−38−9	Chlorotrifluoroethylene	U	9.89	ug/kg	2.97	9.89	5.00
75−71−8	Dichlorodifluoromethane	U	0.989	ug/kg	0.297	0.989	5.00
74−87−3	Chloromethane	U	0.989	ug/kg	0.297	0.989	5.00
75−01−4	Vinyl chloride	U	0.989	ug/kg	0.297	0.989	2.00
74−83−9	Bromomethane	U	0.989	ug/kg	0.297	0.989	5.00
75−00−3	Chloroethane	U	0.989	ug/kg	0.297	0.989	5.00
75−69−4	Trichlorofluoromethane	U	0.989	ug/kg	0.564	0.989	5.00
67−64−1	Acetone	U	4.94	ug/kg	1.64	4.94	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	0.989	ug/kg	0.297	0.989	5.00
75−09−2	Methylene chloride	U	4.94	ug/kg	1.98	4.94	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	0.989	ug/kg	0.297	0.989	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	0.989	ug/kg	0.297	0.989	2.00
75−34−3	1,1−Dichloroethane	U	0.989	ug/kg	0.297	0.989	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	4.94	ug/kg	1.24	4.94	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	0.989	ug/kg	0.297	0.989	2.00
594−20−7	2,2−Dichloropropane	U	0.989	ug/kg	0.297	0.989	1.00
67−66−3	Chloroform	U	0.989	ug/kg	0.297	0.989	2.00
74−97−5	Bromochloromethane	U	0.989	ug/kg	0.297	0.989	5.00
71−55−6	1,1,1−Trichloroethane	U	0.989	ug/kg	0.297	0.989	2.00
563−58−6	1,1−Dichloropropene	U	0.989	ug/kg	0.297	0.989	2.00
56−23−5	Carbon tetrachloride	U	0.989	ug/kg	0.297	0.989	1.00
107−06−2	1,2−Dichloroethane	U	0.989	ug/kg	0.297	0.989	2.00
71−43−2	Benzene	U	0.989	ug/kg	0.297	0.989	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	0.989	ug/kg	0.297	0.989	2.00
78−87−5	1,2−Dichloropropane	U	0.989	ug/kg	0.297	0.989	2.00
75−27−4	Bromodichloromethane	U	0.989	ug/kg	0.297	0.989	2.00
74−95−3	Dibromomethane	U	0.989	ug/kg	0.297	0.989	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	4.94	ug/kg	1.24	4.94	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	4.94	ug/kg	1.24	4.94	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	0.989	ug/kg	0.297	0.989	2.00
108−88−3	Toluene		2.19	ug/kg	0.297	0.989	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952001**	**Date Collected:**	**06/03/2009 00:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**4.6**
Client ID:	**B1BS0080D001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:11**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p109.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:30**	**Aliquot:**	**5.3 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	0.989	ug/kg	0.297	0.989	2.00
79−00−5	1,1,2−Trichloroethane	U	0.989	ug/kg	0.297	0.989	2.00
591−78−6	2−Hexanone	U	4.94	ug/kg	1.48	4.94	10.0
142−28−9	1,3−Dichloropropane	U	0.989	ug/kg	0.297	0.989	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	0.989	ug/kg	0.297	0.989	2.00
124−48−1	Dibromochloromethane	U	0.989	ug/kg	0.297	0.989	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	0.989	ug/kg	0.297	0.989	2.00
108−90−7	Chlorobenzene	U	0.989	ug/kg	0.297	0.989	2.00
100−41−4	Ethylbenzene	U	0.989	ug/kg	0.297	0.989	2.00
179601−23−1	m,p−Xylenes	U	1.98	ug/kg	0.297	1.98	2.00
95−47−6	o−Xylene	U	0.989	ug/kg	0.297	0.989	2.00
100−42−5	Styrene	J	0.761	ug/kg	0.297	0.989	2.00
75−25−2	Bromoform	U	0.989	ug/kg	0.297	0.989	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	0.989	ug/kg	0.297	0.989	2.00
96−18−4	1,2,3−Trichloropropane	U	0.989	ug/kg	0.297	0.989	1.00
108−86−1	Bromobenzene	U	0.989	ug/kg	0.297	0.989	5.00
103−65−1	n−Propylbenzene	U	0.989	ug/kg	0.297	0.989	2.00
95−49−8	2−Chlorotoluene	U	0.989	ug/kg	0.297	0.989	5.00
98−82−8	Isopropylbenzene	U	0.989	ug/kg	0.297	0.989	2.00
108−67−8	1,3,5−Trimethylbenzene	U	0.989	ug/kg	0.297	0.989	2.00
106−43−4	4−Chlorotoluene	U	0.989	ug/kg	0.297	0.989	5.00
98−06−6	tert−Butylbenzene	U	0.989	ug/kg	0.297	0.989	5.00
95−63−6	1,2,4−Trimethylbenzene	U	0.989	ug/kg	0.297	0.989	2.00
135−98−8	sec−Butylbenzene	U	0.989	ug/kg	0.297	0.989	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	0.989	ug/kg	0.297	0.989	2.00
541−73−1	1,3−Dichlorobenzene	U	0.989	ug/kg	0.297	0.989	2.00
106−46−7	1,4−Dichlorobenzene	U	0.989	ug/kg	0.297	0.989	2.00
104−51−8	n−Butylbenzene	U	0.989	ug/kg	0.297	0.989	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	0.989	ug/kg	0.494	0.989	5.00
87−68−3	Hexachlorobutadiene	U	0.989	ug/kg	0.297	0.989	5.00
87−61−6	1,2,3−Trichlorobenzene	U	0.989	ug/kg	0.297	0.989	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	4.94	ug/kg	1.58	4.94	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952001**	**Date Collected:**	**06/03/2009 00:00**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**4.6**
Client ID:	**B1BS0080D001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:11**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p109.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:30**	**Aliquot:**	**5.3 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	0.989	ug/kg	0.297	0.989	1.00
120−82−1	1,2,4−Trichlorobenzene	U	0.989	ug/kg	0.297	0.989	5.00
95−50−1	1,2−Dichlorobenzene	U	0.989	ug/kg	0.297	0.989	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	52.5	50.0	ug/L	105	(68%−131%)
Bromofluorobenzene	54.3	50.0	ug/L	109	(68%−133%)
Toluene−d8	51.5	50.0	ug/L	103	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952003**	**Date Collected:**	**06/03/2009 07:43**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.9**
Client ID:	**B1BS0080S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:38**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p110.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:35**	**Aliquot:**	**5.1 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.2	ug/kg	3.06	10.2	5.00
79−38−9	Chlorotrifluoroethylene	U	10.2	ug/kg	3.06	10.2	5.00
75−71−8	Dichlorodifluoromethane	U	1.02	ug/kg	0.306	1.02	5.00
74−87−3	Chloromethane	U	1.02	ug/kg	0.306	1.02	5.00
75−01−4	Vinyl chloride	U	1.02	ug/kg	0.306	1.02	2.00
74−83−9	Bromomethane	U	1.02	ug/kg	0.306	1.02	5.00
75−00−3	Chloroethane	U	1.02	ug/kg	0.306	1.02	5.00
75−69−4	Trichlorofluoromethane	U	1.02	ug/kg	0.581	1.02	5.00
67−64−1	Acetone	U	5.10	ug/kg	1.69	5.10	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.02	ug/kg	0.306	1.02	5.00
75−09−2	Methylene chloride	U	5.10	ug/kg	2.04	5.10	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.02	ug/kg	0.306	1.02	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.02	ug/kg	0.306	1.02	2.00
75−34−3	1,1−Dichloroethane	U	1.02	ug/kg	0.306	1.02	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	5.10	ug/kg	1.27	5.10	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.02	ug/kg	0.306	1.02	2.00
594−20−7	2,2−Dichloropropane	U	1.02	ug/kg	0.306	1.02	1.00
67−66−3	Chloroform	U	1.02	ug/kg	0.306	1.02	2.00
74−97−5	Bromochloromethane	U	1.02	ug/kg	0.306	1.02	5.00
71−55−6	1,1,1−Trichloroethane	U	1.02	ug/kg	0.306	1.02	2.00
563−58−6	1,1−Dichloropropene	U	1.02	ug/kg	0.306	1.02	2.00
56−23−5	Carbon tetrachloride	U	1.02	ug/kg	0.306	1.02	1.00
107−06−2	1,2−Dichloroethane	U	1.02	ug/kg	0.306	1.02	2.00
71−43−2	Benzene	U	1.02	ug/kg	0.306	1.02	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.02	ug/kg	0.306	1.02	2.00
78−87−5	1,2−Dichloropropane	U	1.02	ug/kg	0.306	1.02	2.00
75−27−4	Bromodichloromethane	U	1.02	ug/kg	0.306	1.02	2.00
74−95−3	Dibromomethane	U	1.02	ug/kg	0.306	1.02	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.10	ug/kg	1.27	5.10	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.10	ug/kg	1.27	5.10	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.02	ug/kg	0.306	1.02	2.00
108−88−3	Toluene		1.03	ug/kg	0.306	1.02	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952003**	**Date Collected:**	**06/03/2009 07:43**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.9**
Client ID:	**B1BS0080S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:38**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p110.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:35**	**Aliquot:**	**5.1 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.02	ug/kg	0.306	1.02	2.00
79−00−5	1,1,2−Trichloroethane	U	1.02	ug/kg	0.306	1.02	2.00
591−78−6	2−Hexanone	U	5.10	ug/kg	1.53	5.10	10.0
142−28−9	1,3−Dichloropropane	U	1.02	ug/kg	0.306	1.02	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.02	ug/kg	0.306	1.02	2.00
124−48−1	Dibromochloromethane	U	1.02	ug/kg	0.306	1.02	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.02	ug/kg	0.306	1.02	2.00
108−90−7	Chlorobenzene	U	1.02	ug/kg	0.306	1.02	2.00
100−41−4	Ethylbenzene	U	1.02	ug/kg	0.306	1.02	2.00
179601−23−1	m,p−Xylenes	U	2.04	ug/kg	0.306	2.04	2.00
95−47−6	o−Xylene	U	1.02	ug/kg	0.306	1.02	2.00
100−42−5	Styrene	J	0.730	ug/kg	0.306	1.02	2.00
75−25−2	Bromoform	U	1.02	ug/kg	0.306	1.02	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.02	ug/kg	0.306	1.02	2.00
96−18−4	1,2,3−Trichloropropane	U	1.02	ug/kg	0.306	1.02	1.00
108−86−1	Bromobenzene	U	1.02	ug/kg	0.306	1.02	5.00
103−65−1	n−Propylbenzene	U	1.02	ug/kg	0.306	1.02	2.00
95−49−8	2−Chlorotoluene	U	1.02	ug/kg	0.306	1.02	5.00
98−82−8	Isopropylbenzene	U	1.02	ug/kg	0.306	1.02	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.02	ug/kg	0.306	1.02	2.00
106−43−4	4−Chlorotoluene	U	1.02	ug/kg	0.306	1.02	5.00
98−06−6	tert−Butylbenzene	U	1.02	ug/kg	0.306	1.02	5.00
95−63−6	1,2,4−Trimethylbenzene	U	1.02	ug/kg	0.306	1.02	2.00
135−98−8	sec−Butylbenzene	U	1.02	ug/kg	0.306	1.02	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.02	ug/kg	0.306	1.02	2.00
541−73−1	1,3−Dichlorobenzene	U	1.02	ug/kg	0.306	1.02	2.00
106−46−7	1,4−Dichlorobenzene	U	1.02	ug/kg	0.306	1.02	2.00
104−51−8	n−Butylbenzene	U	1.02	ug/kg	0.306	1.02	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.02	ug/kg	0.510	1.02	5.00
87−68−3	Hexachlorobutadiene	U	1.02	ug/kg	0.306	1.02	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.02	ug/kg	0.306	1.02	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.10	ug/kg	1.63	5.10	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952003**	**Date Collected:**	**06/03/2009 07:43**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**3.9**
Client ID:	**B1BS0080S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874468**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 20:38**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p110.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874467**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:35**	**Aliquot:**	**5.1 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.02	ug/kg	0.306	1.02	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.02	ug/kg	0.306	1.02	5.00
95−50−1	1,2−Dichlorobenzene	U	1.02	ug/kg	0.306	1.02	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	53.2	50.0	ug/L	106	(68%−131%)
Bromofluorobenzene	53.4	50.0	ug/L	107	(68%−133%)
Toluene−d8	52.2	50.0	ug/L	104	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952002**	**Date Collected:**	**06/03/2009 07:00**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**B1TB2008T001**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 11:42**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m205.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 11:42**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.0	ug/L	3.00	10.0	5.00
79−38−9	Chlorotrifluoroethylene	U	10.0	ug/L	3.00	10.0	5.00
75−71−8	Dichlorodifluoromethane	U	1.00	ug/L	0.500	1.00	5.00
74−87−3	Chloromethane	U	1.00	ug/L	0.300	1.00	5.00
75−01−4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	2.00
74−83−9	Bromomethane	U	1.00	ug/L	0.500	1.00	5.00
75−00−3	Chloroethane	U	1.00	ug/L	0.300	1.00	5.00
75−69−4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	5.00
67−64−1	Acetone	U	5.00	ug/L	1.50	5.00	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	5.00
75−09−2	Methylene chloride	U	5.00	ug/L	2.00	5.00	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.00	ug/L	0.250	1.00	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	2.00
75−34−3	1,1−Dichloroethane	U	1.00	ug/L	0.300	1.00	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	5.00	ug/L	1.25	5.00	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	2.00
594−20−7	2,2−Dichloropropane	U	1.00	ug/L	0.300	1.00	1.00
67−66−3	Chloroform	U	1.00	ug/L	0.250	1.00	2.00
74−97−5	Bromochloromethane	U	1.00	ug/L	0.360	1.00	5.00
71−55−6	1,1,1−Trichloroethane	U	1.00	ug/L	0.325	1.00	2.00
563−58−6	1,1−Dichloropropene	U	1.00	ug/L	0.250	1.00	2.00
56−23−5	Carbon tetrachloride	U	1.00	ug/L	0.260	1.00	1.00
107−06−2	1,2−Dichloroethane	U	1.00	ug/L	0.250	1.00	1.00
71−43−2	Benzene	U	1.00	ug/L	0.300	1.00	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.00	ug/L	0.250	1.00	2.00
78−87−5	1,2−Dichloropropane	U	1.00	ug/L	0.250	1.00	2.00
75−27−4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	2.00
74−95−3	Dibromomethane	U	1.00	ug/L	0.300	1.00	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.00	ug/L	1.50	5.00	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.00	ug/L	1.25	5.00	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.00	ug/L	0.250	1.00	2.00
108−88−3	Toluene	U	1.00	ug/L	0.250	1.00	2.00

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952002**	**Date Collected:**	**06/03/2009 07:00**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**B1TB2008T001**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 11:42**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m205.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 11:42**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.00	ug/L	0.250	1.00	2.00
79−00−5	1,1,2−Trichloroethane	U	1.00	ug/L	0.250	1.00	2.00
591−78−6	2−Hexanone	U	5.00	ug/L	1.25	5.00	10.0
142−28−9	1,3−Dichloropropane	U	1.00	ug/L	0.250	1.00	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.00	ug/L	0.450	1.00	2.00
124−48−1	Dibromochloromethane	U	1.00	ug/L	0.260	1.00	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.00	ug/L	0.250	1.00	2.00
108−90−7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
100−41−4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
179601−23−1	m,p−Xylenes	U	2.00	ug/L	0.430	2.00	2.00
95−47−6	o−Xylene	U	1.00	ug/L	0.250	1.00	2.00
100−42−5	Styrene	U	1.00	ug/L	0.250	1.00	2.00
75−25−2	Bromoform	U	1.00	ug/L	0.250	1.00	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.00	ug/L	0.250	1.00	2.00
96−18−4	1,2,3−Trichloropropane	U	1.00	ug/L	0.300	1.00	1.00
108−86−1	Bromobenzene	U	1.00	ug/L	0.250	1.00	5.00
103−65−1	n−Propylbenzene	U	1.00	ug/L	0.250	1.00	2.00
95−49−8	2−Chlorotoluene	U	1.00	ug/L	0.250	1.00	5.00
98−82−8	Isopropylbenzene	U	1.00	ug/L	0.250	1.00	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
106−43−4	4−Chlorotoluene	U	1.00	ug/L	0.250	1.00	5.00
98−06−6	tert−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
95−63−6	1,2,4−Trimethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
135−98−8	sec−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.00	ug/L	0.250	1.00	2.00
541−73−1	1,3−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
106−46−7	1,4−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
104−51−8	n−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.00	ug/L	0.500	1.00	5.00
87−68−3	Hexachlorobutadiene	U	1.00	ug/L	0.440	1.00	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.00	ug/L	0.332	1.00	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.00	ug/L	1.00	5.00	5.00

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952002**	**Date Collected:**	**06/03/2009 07:00**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**B1TB2008T001**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 11:42**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m205.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 11:42**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.00	ug/L	0.300	1.00	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.00	ug/L	0.300	1.00	5.00
95−50−1	1,2−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	57.6	50.0	ug/L	115	(59%−130%)
Bromofluorobenzene	48.2	50.0	ug/L	96.4	(71%−126%)
Toluene−d8	48.8	50.0	ug/L	97.6	(76%−129%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952022**	**Date Collected:**	**06/03/2009 13:30**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**EBQW2217**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 12:14**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m206.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 12:14**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.0	ug/L	3.00	10.0	5.00
79−38−9	Chlorotrifluoroethylene	U	10.0	ug/L	3.00	10.0	5.00
75−71−8	Dichlorodifluoromethane	U	1.00	ug/L	0.500	1.00	5.00
74−87−3	Chloromethane	U	1.00	ug/L	0.300	1.00	5.00
75−01−4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	2.00
74−83−9	Bromomethane	U	1.00	ug/L	0.500	1.00	5.00
75−00−3	Chloroethane	U	1.00	ug/L	0.300	1.00	5.00
75−69−4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	5.00
67−64−1	Acetone	U	5.00	ug/L	1.50	5.00	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	5.00
75−09−2	Methylene chloride	U	5.00	ug/L	2.00	5.00	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.00	ug/L	0.250	1.00	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	2.00
75−34−3	1,1−Dichloroethane	U	1.00	ug/L	0.300	1.00	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	5.00	ug/L	1.25	5.00	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.00	ug/L	0.300	1.00	2.00
594−20−7	2,2−Dichloropropane	U	1.00	ug/L	0.300	1.00	1.00
67−66−3	Chloroform	U	1.00	ug/L	0.250	1.00	2.00
74−97−5	Bromochloromethane	U	1.00	ug/L	0.360	1.00	5.00
71−55−6	1,1,1−Trichloroethane	U	1.00	ug/L	0.325	1.00	2.00
563−58−6	1,1−Dichloropropene	U	1.00	ug/L	0.250	1.00	2.00
56−23−5	Carbon tetrachloride	U	1.00	ug/L	0.260	1.00	1.00
107−06−2	1,2−Dichloroethane	U	1.00	ug/L	0.250	1.00	1.00
71−43−2	Benzene	U	1.00	ug/L	0.300	1.00	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.00	ug/L	0.250	1.00	2.00
78−87−5	1,2−Dichloropropane	U	1.00	ug/L	0.250	1.00	2.00
75−27−4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	2.00
74−95−3	Dibromomethane	U	1.00	ug/L	0.300	1.00	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.00	ug/L	1.50	5.00	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.00	ug/L	1.25	5.00	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.00	ug/L	0.250	1.00	2.00
108−88−3	Toluene	U	1.00	ug/L	0.250	1.00	2.00

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952022**	**Date Collected:**	**06/03/2009 13:30**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**EBQW2217**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 12:14**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m206.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 12:14**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.00	ug/L	0.250	1.00	2.00
79−00−5	1,1,2−Trichloroethane	U	1.00	ug/L	0.250	1.00	2.00
591−78−6	2−Hexanone	U	5.00	ug/L	1.25	5.00	10.0
142−28−9	1,3−Dichloropropane	U	1.00	ug/L	0.250	1.00	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.00	ug/L	0.450	1.00	2.00
124−48−1	Dibromochloromethane	U	1.00	ug/L	0.260	1.00	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.00	ug/L	0.250	1.00	2.00
108−90−7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
100−41−4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
179601−23−1	m,p−Xylenes	U	2.00	ug/L	0.430	2.00	2.00
95−47−6	o−Xylene	U	1.00	ug/L	0.250	1.00	2.00
100−42−5	Styrene	U	1.00	ug/L	0.250	1.00	2.00
75−25−2	Bromoform	U	1.00	ug/L	0.250	1.00	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.00	ug/L	0.250	1.00	2.00
96−18−4	1,2,3−Trichloropropane	U	1.00	ug/L	0.300	1.00	1.00
108−86−1	Bromobenzene	U	1.00	ug/L	0.250	1.00	5.00
103−65−1	n−Propylbenzene	U	1.00	ug/L	0.250	1.00	2.00
95−49−8	2−Chlorotoluene	U	1.00	ug/L	0.250	1.00	5.00
98−82−8	Isopropylbenzene	U	1.00	ug/L	0.250	1.00	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
106−43−4	4−Chlorotoluene	U	1.00	ug/L	0.250	1.00	5.00
98−06−6	tert−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
95−63−6	1,2,4−Trimethylbenzene	U	1.00	ug/L	0.250	1.00	2.00
135−98−8	sec−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.00	ug/L	0.250	1.00	2.00
541−73−1	1,3−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
106−46−7	1,4−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00
104−51−8	n−Butylbenzene	U	1.00	ug/L	0.250	1.00	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.00	ug/L	0.500	1.00	5.00
87−68−3	Hexachlorobutadiene	U	1.00	ug/L	0.440	1.00	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.00	ug/L	0.332	1.00	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.00	ug/L	1.00	5.00	5.00

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952022**	**Date Collected:**	**06/03/2009 13:30**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**EBQW2217**			**Prep Basis:**	**As Received**
Batch ID:	**874620**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/09/2009 12:14**	**Analyst:**	**CDS1**	**Instrument:**	**VOA7.I**
Data File:	**7m206.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874620**	**Prep Method:**	**SW846 8260B**		
Prep Date:	**06/09/2009 12:14**				

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.00	ug/L	0.300	1.00	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.00	ug/L	0.300	1.00	5.00
95−50−1	1,2−Dichlorobenzene	U	1.00	ug/L	0.250	1.00	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	56.1	50.0	ug/L	112	(59%−130%)
Bromofluorobenzene	48.5	50.0	ug/L	97.0	(71%−126%)
Toluene−d8	49.2	50.0	ug/L	98.5	(76%−129%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

GC/MS Semivolatile Analysis

Semi−Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952022**	**Date Collected:**	**06/03/2009 13:30**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**EBQW2217**			**Prep Basis:**	**As Received**
Batch ID:	**875054**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL−OA−E−009**
Run Date:	**06/11/2009 14:56**	**Analyst:**	**JMB3**	**Instrument:**	**MSD4.I**
Data File:	**s4f1113.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**875053**	**Prep Method:**	**SW846 3510C**	**Prep SOP Ref:**	**GL−OA−E−013**
Prep Date:	**06/10/2009 16:15**	**Aliquot:**	**1060 mL**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62−75−9	n−Nitrosodimethylamine *N−Methyl−N−nitrosomethylamine*	U	0.472	ug/L	0.0943	0.472	10.0
83−32−9	Acenaphthene	U	0.472	ug/L	0.146	0.472	10.0
129−00−0	Pyrene	U	0.472	ug/L	0.142	0.472	10.0
91−20−3	Naphthalene	U	0.472	ug/L	0.142	0.472	10.0
91−57−6	2−Methylnaphthalene	U	0.472	ug/L	0.142	0.472	10.0
90−12−0	1−Methylnaphthalene	U	0.472	ug/L	0.142	0.472	10.0
131−11−3	Dimethylphthalate	U	0.472	ug/L	0.142	0.472	10.0
208−96−8	Acenaphthylene	U	0.472	ug/L	0.0943	0.472	10.0
84−66−2	Diethylphthalate	U	0.472	ug/L	0.142	0.472	10.0
86−73−7	Fluorene	U	0.472	ug/L	0.0943	0.472	10.0
85−01−8	Phenanthrene	U	0.472	ug/L	0.0943	0.472	10.0
120−12−7	Anthracene	U	0.472	ug/L	0.0943	0.472	10.0
84−74−2	Di−n−butylphthalate	U	0.472	ug/L	0.142	0.472	10.0
206−44−0	Fluoranthene	U	0.472	ug/L	0.0943	0.472	10.0
85−68−7	Butyl benzyl phthalate *Butylbenzylphthalate*	U	0.472	ug/L	0.142	0.472	10.0
56−55−3	Benzo(a)anthracene	U	0.472	ug/L	0.0943	0.472	10.0
218−01−9	Chrysene	U	0.472	ug/L	0.0943	0.472	10.0
117−81−7	bis(2−Ethylhexyl)phthalate	J	0.182	ug/L	0.142	0.472	10.0
117−84−0	Di−n−octyl−phthalate *Di−n−octylphthalate*	U	0.472	ug/L	0.142	0.472	10.0
205−99−2	Benzo(b)fluoranthene	U	0.472	ug/L	0.0943	0.472	10.0
207−08−9	Benzo(k)fluoranthene	U	0.472	ug/L	0.0943	0.472	10.0
50−32−8	Benzo(a)pyrene	U	0.472	ug/L	0.0943	0.472	10.0
193−39−5	Indeno(1,2,3−cd)pyrene	U	0.472	ug/L	0.0943	0.472	10.0
53−70−3	Dibenzo(a,h)anthracene	U	0.472	ug/L	0.0943	0.472	20.0
191−24−2	Benzo(ghi)perylene	U	0.472	ug/L	0.0943	0.472	10.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2−Fluorobiphenyl	13.1	23.6	ug/L	55.7	(35%−100%)
Nitrobenzene−d5	16.2	23.6	ug/L	68.9	(40%−112%)
p−Terphenyl−d14	19.0	23.6	ug/L	80.5	(46%−130%)
2,4,6−Tribromophenol	28.7	47.2	ug/L	60.9	(39%−115%)
2−Fluorophenol	16.7	47.2	ug/L	35.3	(25%−92%)
Phenol−d5	11.1	47.2	ug/L	23.6	(15%−73%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Semi−Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952021**	**Date Collected:**	**06/03/2009 13:05**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**7.4**
Client ID:	**ILBS0249S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874333**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL−OA−E−009**
Run Date:	**06/10/2009 16:34**	**Analyst:**	**JLD1**	**Instrument:**	**MSD3.I**
Data File:	**s3f1019.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**874332**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL−OA−E−010**
Prep Date:	**06/09/2009 21:26**	**Aliquot:**	**30.05 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62−75−9	n−Nitrosodimethylamine *N−Methyl−N−nitrosomethylamine*	U	18.0	ug/kg	3.59	18.0	20.0
83−32−9	Acenaphthene	U	18.0	ug/kg	6.00	18.0	20.0
129−00−0	Pyrene		35.9	ug/kg	5.64	18.0	20.0
91−20−3	Naphthalene	U	18.0	ug/kg	5.39	18.0	20.0
91−57−6	2−Methylnaphthalene	U	18.0	ug/kg	3.59	18.0	20.0
90−12−0	1−Methylnaphthalene	U	18.0	ug/kg	5.39	18.0	20.0
131−11−3	Dimethylphthalate	U	18.0	ug/kg	5.39	18.0	20.0
208−96−8	Acenaphthylene	U	18.0	ug/kg	5.39	18.0	20.0
84−66−2	Diethylphthalate	U	18.0	ug/kg	5.39	18.0	20.0
86−73−7	Fluorene	U	18.0	ug/kg	5.39	18.0	20.0
85−01−8	Phenanthrene	U	18.0	ug/kg	5.39	18.0	20.0
120−12−7	Anthracene	U	18.0	ug/kg	3.59	18.0	20.0
84−74−2	Di−n−butylphthalate	J	6.59	ug/kg	5.39	18.0	20.0
206−44−0	Fluoranthene		26.1	ug/kg	5.39	18.0	20.0
85−68−7	Butyl benzyl phthalate *Butylbenzylphthalate*	U	18.0	ug/kg	5.39	18.0	20.0
56−55−3	Benzo(a)anthracene		37.8	ug/kg	5.39	18.0	20.0
218−01−9	Chrysene		34.6	ug/kg	5.39	18.0	20.0
117−81−7	bis(2−Ethylhexyl)phthalate		21.3	ug/kg	5.93	18.0	20.0
117−84−0	Di−n−octyl−phthalate *Di−n−octylphthalate*	U	18.0	ug/kg	5.39	18.0	20.0
205−99−2	Benzo(b)fluoranthene		87.7	ug/kg	5.39	18.0	20.0
207−08−9	Benzo(k)fluoranthene	U	18.0	ug/kg	5.39	18.0	20.0
50−32−8	Benzo(a)pyrene		49.4	ug/kg	5.39	18.0	20.0
193−39−5	Indeno(1,2,3−cd)pyrene		22.4	ug/kg	5.39	18.0	20.0
53−70−3	Dibenzo(a,h)anthracene	U	18.0	ug/kg	5.39	18.0	20.0
191−24−2	Benzo(ghi)perylene		25.8	ug/kg	5.39	18.0	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6−Tribromophenol	1230	1800	ug/kg	68.6	(37%−106%)
2−Fluorophenol	795	1800	ug/kg	44.3	(35%−96%)
Phenol−d5	930	1800	ug/kg	51.8	(36%−96%)
2−Fluorobiphenyl	410	898	ug/kg	45.7	(36%−100%)
Nitrobenzene−d5	350	898	ug/kg	39.0	(34%−104%)
p−Terphenyl−d14	718	898	ug/kg	79.9	(40%−124%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Semi−Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952019**	**Date Collected:**	**06/03/2009 12:45**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**8.5**
Client ID:	**ILBS0250S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874333**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL−OA−E−009**
Run Date:	**06/10/2009 16:13**	**Analyst:**	**JLD1**	**Instrument:**	**MSD3.I**
Data File:	**s3f1018.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**874332**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL−OA−E−010**
Prep Date:	**06/09/2009 21:26**	**Aliquot:**	**30.07 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62−75−9	n−Nitrosodimethylamine *N−Methyl−N−nitrosomethylamine*	U	18.2	ug/kg	3.63	18.2	20.0
83−32−9	Acenaphthene	U	18.2	ug/kg	6.07	18.2	20.0
129−00−0	Pyrene	U	18.2	ug/kg	5.70	18.2	20.0
91−20−3	Naphthalene	U	18.2	ug/kg	5.45	18.2	20.0
91−57−6	2−Methylnaphthalene	U	18.2	ug/kg	3.63	18.2	20.0
90−12−0	1−Methylnaphthalene	U	18.2	ug/kg	5.45	18.2	20.0
131−11−3	Dimethylphthalate	U	18.2	ug/kg	5.45	18.2	20.0
208−96−8	Acenaphthylene	U	18.2	ug/kg	5.45	18.2	20.0
84−66−2	Diethylphthalate	U	18.2	ug/kg	5.45	18.2	20.0
86−73−7	Fluorene	U	18.2	ug/kg	5.45	18.2	20.0
85−01−8	Phenanthrene	U	18.2	ug/kg	5.45	18.2	20.0
120−12−7	Anthracene	U	18.2	ug/kg	3.63	18.2	20.0
84−74−2	Di−n−butylphthalate	J	5.57	ug/kg	5.45	18.2	20.0
206−44−0	Fluoranthene	U	18.2	ug/kg	5.45	18.2	20.0
85−68−7	Butyl benzyl phthalate *Butylbenzylphthalate*	U	18.2	ug/kg	5.45	18.2	20.0
56−55−3	Benzo(a)anthracene	U	18.2	ug/kg	5.45	18.2	20.0
218−01−9	Chrysene	U	18.2	ug/kg	5.45	18.2	20.0
117−81−7	bis(2−Ethylhexyl)phthalate	J	12.5	ug/kg	5.99	18.2	20.0
117−84−0	Di−n−octyl−phthalate *Di−n−octylphthalate*	U	18.2	ug/kg	5.45	18.2	20.0
205−99−2	Benzo(b)fluoranthene	U	18.2	ug/kg	5.45	18.2	20.0
207−08−9	Benzo(k)fluoranthene	U	18.2	ug/kg	5.45	18.2	20.0
50−32−8	Benzo(a)pyrene	U	18.2	ug/kg	5.45	18.2	20.0
193−39−5	Indeno(1,2,3−cd)pyrene	U	18.2	ug/kg	5.45	18.2	20.0
53−70−3	Dibenzo(a,h)anthracene	U	18.2	ug/kg	5.45	18.2	20.0
191−24−2	Benzo(ghi)perylene	U	18.2	ug/kg	5.45	18.2	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6−Tribromophenol	1330	1820	ug/kg	73.4	(37%−106%)
2−Fluorophenol	812	1820	ug/kg	44.7	(35%−96%)
Phenol−d5	945	1820	ug/kg	52.0	(36%−96%)
2−Fluorobiphenyl	386	908	ug/kg	42.5	(36%−100%)
Nitrobenzene−d5	353	908	ug/kg	38.9	(34%−104%)
p−Terphenyl−d14	765	908	ug/kg	84.2	(40%−124%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Semi−Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952017**	**Date Collected:**	**06/03/2009 12:20**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**4.7**
Client ID:	**ILBS0251S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874333**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL−OA−E−009**
Run Date:	**06/10/2009 15:53**	**Analyst:**	**JLD1**	**Instrument:**	**MSD3.I**
Data File:	**s3f1017.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**874332**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL−OA−E−010**
Prep Date:	**06/09/2009 21:26**	**Aliquot:**	**30 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62−75−9	n−Nitrosodimethylamine *N−Methyl−N−nitrosomethylamine*	U	17.5	ug/kg	3.50	17.5	20.0
83−32−9	Acenaphthene	U	17.5	ug/kg	5.84	17.5	20.0
129−00−0	Pyrene		42.6	ug/kg	5.49	17.5	20.0
91−20−3	Naphthalene	U	17.5	ug/kg	5.25	17.5	20.0
91−57−6	2−Methylnaphthalene	U	17.5	ug/kg	3.50	17.5	20.0
90−12−0	1−Methylnaphthalene	U	17.5	ug/kg	5.25	17.5	20.0
131−11−3	Dimethylphthalate	U	17.5	ug/kg	5.25	17.5	20.0
208−96−8	Acenaphthylene	U	17.5	ug/kg	5.25	17.5	20.0
84−66−2	Diethylphthalate	U	17.5	ug/kg	5.25	17.5	20.0
86−73−7	Fluorene	U	17.5	ug/kg	5.25	17.5	20.0
85−01−8	Phenanthrene	U	17.5	ug/kg	5.25	17.5	20.0
120−12−7	Anthracene	U	17.5	ug/kg	3.50	17.5	20.0
84−74−2	Di−n−butylphthalate	J	5.93	ug/kg	5.25	17.5	20.0
206−44−0	Fluoranthene		39.4	ug/kg	5.25	17.5	20.0
85−68−7	Butyl benzyl phthalate *Butylbenzylphthalate*	U	17.5	ug/kg	5.25	17.5	20.0
56−55−3	Benzo(a)anthracene		30.1	ug/kg	5.25	17.5	20.0
218−01−9	Chrysene		32.0	ug/kg	5.25	17.5	20.0
117−81−7	bis(2−Ethylhexyl)phthalate		21.5	ug/kg	5.77	17.5	20.0
117−84−0	Di−n−octyl−phthalate *Di−n−octylphthalate*	U	17.5	ug/kg	5.25	17.5	20.0
205−99−2	Benzo(b)fluoranthene		61.0	ug/kg	5.25	17.5	20.0
207−08−9	Benzo(k)fluoranthene	U	17.5	ug/kg	5.25	17.5	20.0
50−32−8	Benzo(a)pyrene		41.1	ug/kg	5.25	17.5	20.0
193−39−5	Indeno(1,2,3−cd)pyrene	J	16.9	ug/kg	5.25	17.5	20.0
53−70−3	Dibenzo(a,h)anthracene	U	17.5	ug/kg	5.25	17.5	20.0
191−24−2	Benzo(ghi)perylene		19.6	ug/kg	5.25	17.5	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6−Tribromophenol	1290	1750	ug/kg	73.9	(37%−106%)
2−Fluorophenol	863	1750	ug/kg	49.3	(35%−96%)
Phenol−d5	950	1750	ug/kg	54.3	(36%−96%)
2−Fluorobiphenyl	491	874	ug/kg	56.2	(36%−100%)
Nitrobenzene−d5	406	874	ug/kg	46.4	(34%−104%)
p−Terphenyl−d14	694	874	ug/kg	79.4	(40%−124%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Semi−Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952013**	**Date Collected:**	**06/03/2009 10:55**	**Matrix:**	**Soil**
		Date Received:	**06/04/2009 09:45**	**%Moisture:**	**8.9**
Client ID:	**ILBS0253S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874333**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL−OA−E−009**
Run Date:	**06/10/2009 14:51**	**Analyst:**	**JLD1**	**Instrument:**	**MSD3.I**
Data File:	**s3f1014.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**874332**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL−OA−E−010**
Prep Date:	**06/09/2009 21:26**	**Aliquot:**	**30.03 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62−75−9	n−Nitrosodimethylamine *N−Methyl−N−nitrosomethylamine*	U	18.3	ug/kg	3.65	18.3	20.0
83−32−9	Acenaphthene	U	18.3	ug/kg	6.10	18.3	20.0
129−00−0	Pyrene	U	18.3	ug/kg	5.74	18.3	20.0
91−20−3	Naphthalene	U	18.3	ug/kg	5.48	18.3	20.0
91−57−6	2−Methylnaphthalene	U	18.3	ug/kg	3.65	18.3	20.0
90−12−0	1−Methylnaphthalene	U	18.3	ug/kg	5.48	18.3	20.0
131−11−3	Dimethylphthalate	U	18.3	ug/kg	5.48	18.3	20.0
208−96−8	Acenaphthylene	U	18.3	ug/kg	5.48	18.3	20.0
84−66−2	Diethylphthalate	U	18.3	ug/kg	5.48	18.3	20.0
86−73−7	Fluorene	U	18.3	ug/kg	5.48	18.3	20.0
85−01−8	Phenanthrene	U	18.3	ug/kg	5.48	18.3	20.0
120−12−7	Anthracene	U	18.3	ug/kg	3.65	18.3	20.0
84−74−2	Di−n−butylphthalate	J	6.40	ug/kg	5.48	18.3	20.0
206−44−0	Fluoranthene	U	18.3	ug/kg	5.48	18.3	20.0
85−68−7	Butyl benzyl phthalate *Butylbenzylphthalate*	U	18.3	ug/kg	5.48	18.3	20.0
56−55−3	Benzo(a)anthracene	U	18.3	ug/kg	5.48	18.3	20.0
218−01−9	Chrysene	U	18.3	ug/kg	5.48	18.3	20.0
117−81−7	bis(2−Ethylhexyl)phthalate	J	15.0	ug/kg	6.03	18.3	20.0
117−84−0	Di−n−octyl−phthalate *Di−n−octylphthalate*	U	18.3	ug/kg	5.48	18.3	20.0
205−99−2	Benzo(b)fluoranthene	U	18.3	ug/kg	5.48	18.3	20.0
207−08−9	Benzo(k)fluoranthene	U	18.3	ug/kg	5.48	18.3	20.0
50−32−8	Benzo(a)pyrene	U	18.3	ug/kg	5.48	18.3	20.0
193−39−5	Indeno(1,2,3−cd)pyrene	U	18.3	ug/kg	5.48	18.3	20.0
53−70−3	Dibenzo(a,h)anthracene	U	18.3	ug/kg	5.48	18.3	20.0
191−24−2	Benzo(ghi)perylene	U	18.3	ug/kg	5.48	18.3	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6−Tribromophenol	1440	1830	ug/kg	78.6	(37%−106%)
2−Fluorophenol	1010	1830	ug/kg	55.2	(35%−96%)
Phenol−d5	1120	1830	ug/kg	61.4	(36%−96%)
2−Fluorobiphenyl	523	913	ug/kg	57.3	(36%−100%)
Nitrobenzene−d5	447	913	ug/kg	49.0	(34%−104%)
p−Terphenyl−d14	673	913	ug/kg	73.7	(40%−124%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

GC
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Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	230952	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	230952022	**Date Collected:**	06/03/2009 13:30	**Matrix:**	Water
		Date Received:	06/04/2009 09:45		
Client ID:	EBQW2217			**Prep Basis:**	As Received
Batch ID:	874288	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/12/2009 20:02	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	018f1801.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	874286	**Prep Method:**	SW846 3510C	**Prep SOP Ref:**	GL-OA-E-013
Prep Date:	06/08/2009 16:23	**Aliquot:**	1060 mL	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 - C	EFH (>C11 - C14)	U	94.3	ug/L	31.1	94.3	100
EFH (>C14 - C2	EFH (>C14 - C20)	U	94.3	ug/L	31.1	94.3	100
EFH (>C20 - C3	EFH (>C20 - C30)	U	94.3	ug/L	31.1	94.3	100
EFH (C8 - C11)	EFH (C8 - C11)	U	94.3	ug/L	31.1	94.3	100

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	31.5	47.2	ug/L	66.8	(35%-103%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	230952	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	230952001	**Date Collected:**	06/03/2009 00:00	**Matrix:**	Soil
		Date Received:	06/04/2009 09:45	**%Moisture:**	4.6
Client ID:	B1BS0080D001			**Prep Basis:**	Dry Weight
Batch ID:	874410	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/12/2009 23:43	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	024f2401.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	874409	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	06/09/2009 13:26	**Aliquot:**	30.07 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 - C1	EFH (>C11 - C14)	U	3.49	mg/kg	1.15	3.49	5.00
EFH (>C14 - C2	EFH (>C14 - C20)	U	3.49	mg/kg	1.15	3.49	5.00
EFH (>C20 - C3	EFH (>C20 - C30)		4.72	mg/kg	1.15	3.49	5.00
EFH (C8 - C11)	EFH (C8 - C11)	U	3.49	mg/kg	1.15	3.49	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	1.26	1.74	mg/kg	72.1	(34%-108%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Page 1 of 1

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	230952	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	230952003	**Date Collected:**	06/03/2009 07:43	**Matrix:**	Soil
		Date Received:	06/04/2009 09:45	**%Moisture:**	3.9
Client ID:	B1BS0080S001			**Prep Basis:**	Dry Weight
Batch ID:	874410	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/13/2009 00:20	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	025f2501.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	874409	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	06/09/2009 13:26	**Aliquot:**	30.14 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 – C1	EFH (>C11 – C14)	U	3.45	mg/kg	1.14	3.45	5.00
EFH (>C14 – C2	EFH (>C14 – C20)	U	3.45	mg/kg	1.14	3.45	5.00
EFH (>C20 – C3	EFH (>C20 – C30)	J	2.39	mg/kg	1.14	3.45	5.00
EFH (C8 – C11)	EFH (C8 – C11)	BJ	3.00	mg/kg	1.14	3.45	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery %	Acceptable Limits
5–alpha–Androstane	1.10	1.73	mg/kg	63.6	(34%–108%)

Comments:

B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	230952	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	230952009	**Date Collected:**	06/03/2009 09:35	**Matrix:**	Soil
		Date Received:	06/04/2009 09:45	**%Moisture:**	5.9
Client ID:	B1BS0078S001			**Prep Basis:**	Dry Weight
Batch ID:	874410	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/13/2009 00:57	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	026f2601.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	874409	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	06/09/2009 13:26	**Aliquot:**	30.02 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 - C	EFH (>C11 - C14)	U	3.54	mg/kg	1.17	3.54	5.00
EFH (>C14 - C2	EFH (>C14 - C20)	U	3.54	mg/kg	1.17	3.54	5.00
EFH (>C20 - C3	EFH (>C20 - C30)		8.18	mg/kg	1.17	3.54	5.00
EFH (C8 - C11)	EFH (C8 - C11)	U	3.54	mg/kg	1.17	3.54	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	1.16	1.77	mg/kg	65.6	(34%-108%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	230952	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	230952011	**Date Collected:**	06/03/2009 10:00	**Matrix:**	Soil
		Date Received:	06/04/2009 09:45	**%Moisture:**	3.4
Client ID:	B1BS0077S001			**Prep Basis:**	Dry Weight
Batch ID:	874410	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/13/2009 01:33	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	027f2701.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	874409	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	06/09/2009 13:26	**Aliquot:**	30.08 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 – C	EFH (>C11 – C14)	U	3.44	mg/kg	1.14	3.44	5.00
EFH (>C14 – C2	EFH (>C14 – C20)	U	3.44	mg/kg	1.14	3.44	5.00
EFH (>C20 – C	EFH (>C20 – C30)		14.0	mg/kg	1.14	3.44	5.00
EFH (C8 – C11)	EFH (C8 – C11)	U	3.44	mg/kg	1.14	3.44	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	1.22	1.72	mg/kg	71.1	(34%-108%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

GC SEMIVOLATILE PCB ANALYSIS

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**230952**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**230952022**	**Date Collected:**	**06/03/2009 13:30**	**Matrix:**	**Water**
		Date Received:	**06/04/2009 09:45**		
Client ID:	**EBQW2217**			**Prep Basis:**	**As Received**
Batch ID:	**875960**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Run Date:	**06/15/2009 10:50**	**Analyst:**	**YS1**	**Instrument:**	**ECD1A.I**
Data File:	**Dual Column**	**Inj. Vol:**	**1 uL**	**Dilution:**	**1**
Prep Batch:	**875959**	**Prep Method:**	**SW846 3510C**	**Prep SOP Ref:**	**GL-OA-E-013**
Prep Date:	**06/12/2009 23:52**	**Aliquot:**	**1060 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL	Data File
12674-11-2	Aroclor-1016	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d
11104-28-2	Aroclor-1221	U	0.0943	ug/L	0.0314	0.0943	0.200	015f1501.d
11141-16-5	Aroclor-1232	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d
53469-21-9	Aroclor-1242	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d
12672-29-6	Aroclor-1248	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d
11097-69-1	Aroclor-1254	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d
11096-82-5	Aroclor-1260	U	0.0943	ug/L	0.0314	0.0943	0.100	015f1501.d

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits	Data File
Decachlorobiphenyl	0.109	0.189	ug/L	58.0	(34%-118%)	015b1501.d
4cmx	0.107	0.189	ug/L	56.7	(29%-103%)	015f1501.d

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Metals Analysis

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952001 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: B1BS0080D001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 95.4

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7429−90−5	Aluminum	10300	mg/kg		7.06	20.8	10	1	P	HSC	06/08/09 19:46	060809A−1	873370
7440−41−7	Beryllium	0.480	mg/kg		0.0202	0.101	0.3	2	MS	BAJ	06/12/09 01:17	090611−4	873263
7440−43−9	Cadmium	0.129	mg/kg	J	0.0202	0.202	0.2	2	MS	BAJ	06/12/09 01:17	090611−4	873263
7440−50−8	Copper	5.16	mg/kg	EN	0.0403	0.202	0.2	2	MS	BAJ	06/12/09 01:17	090611−4	873263
7439−92−1	Lead	5.12	mg/kg		0.101	0.403	0.4	2	MS	BAJ	06/12/09 16:49	090612−10	873263
7782−49−2	Selenium	0.504	mg/kg	U	0.504	1.01	1	2	MS	BAJ	06/12/09 01:17	090611−4	873263
7440−66−6	Zinc	48.8	mg/kg		2.02	10.1	5	10	MS	BAJ	06/12/09 11:42	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.52	g	50	mL	06/05/09	AXG2
873370	873369	SW846 3050B	0.505	g	50	mL	06/08/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952003 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: B1BS0080S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 96.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7429−90−5	Aluminum	10300	mg/kg		6.75	19.9	10	1	P	HSC	06/08/09 19:53	060809A−1	873370
7440−41−7	Beryllium	0.490	mg/kg		0.0203	0.101	0.3	2	MS	BAJ	06/12/09 01:23	090611−4	873263
7440−43−9	Cadmium	0.147	mg/kg	J	0.0203	0.203	0.2	2	MS	BAJ	06/12/09 01:23	090611−4	873263
7440−50−8	Copper	5.68	mg/kg	EN	0.0406	0.203	0.2	2	MS	BAJ	06/12/09 01:23	090611−4	873263
7439−92−1	Lead	5.8	mg/kg		0.101	0.406	0.4	2	MS	BAJ	06/12/09 16:51	090612−10	873263
7782−49−2	Selenium	0.507	mg/kg	U	0.507	1.01	1	2	MS	BAJ	06/12/09 01:23	090611−4	873263
7440−66−6	Zinc	54	mg/kg		2.03	10.1	5	10	MS	BAJ	06/12/09 11:44	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.513	g	50	mL	06/05/09	AXG2
873370	873369	SW846 3050B	0.524	g	50	mL	06/08/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952008 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: B1BS0081S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 96.8

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7429−90−5	Aluminum	10800	mg/kg		7.03	20.7	10	1	P	HSC	06/08/09 20:27	060809A−1	873370
7440−41−7	Beryllium	0.409	mg/kg		0.0201	0.101	0.3	2	MS	BAJ	06/12/09 02:07	090611−4	873263
7440−43−9	Cadmium	0.186	mg/kg	J	0.0201	0.201	0.2	2	MS	BAJ	06/12/09 02:07	090611−4	873263
7782−49−2	Selenium	0.504	mg/kg	U	0.504	1.01	1	2	MS	BAJ	06/12/09 02:07	090611−4	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.513	g	50	mL	06/05/09	AXG2
873370	873369	SW846 3050B	0.5	g	50	mL	06/08/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952009 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: B1BS0078S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 94.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7429−90−5	Aluminum	12300	mg/kg		7.06	20.8	10	1	P	HSC	06/08/09 20:34	060809A−1	873370
7440−41−7	Beryllium	0.610	mg/kg		0.0212	0.106	0.3	2	MS	BAJ	06/12/09 02:13	090611−4	873263
7440−43−9	Cadmium	0.713	mg/kg		0.0212	0.212	0.2	2	MS	BAJ	06/12/09 02:13	090611−4	873263
7440−50−8	Copper	11.3	mg/kg	EN	0.0424	0.212	0.2	2	MS	BAJ	06/12/09 02:13	090611−4	873263
7439−92−1	Lead	10.4	mg/kg		0.106	0.424	0.4	2	MS	BAJ	06/12/09 17:06	090612−10	873263
7782−49−2	Selenium	0.530	mg/kg	U	0.53	1.06	1	2	MS	BAJ	06/12/09 02:13	090611−4	873263
7440−66−6	Zinc	82.4	mg/kg		2.12	10.6	5	10	MS	BAJ	06/12/09 11:59	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.501	g	50	mL	06/05/09	AXG2
873370	873369	SW846 3050B	0.512	g	50	mL	06/08/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952011 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: B1BS0077S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 96.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−43−9	Cadmium	0.104	mg/kg	J	0.0206	0.206	0.2	2	MS	BAJ	06/12/09 02:19	090611−4	873263
7440−50−8	Copper	9.4	mg/kg	EN	0.0412	0.206	0.2	2	MS	BAJ	06/12/09 02:19	090611−4	873263
7439−92−1	Lead	3.94	mg/kg		0.103	0.412	0.4	2	MS	BAJ	06/12/09 17:07	090612−10	873263
7782−49−2	Selenium	0.515	mg/kg	U	0.515	1.03	1	2	MS	BAJ	06/12/09 02:19	090611−4	873263
7440−66−6	Zinc	52	mg/kg		2.06	10.3	5	10	MS	BAJ	06/12/09 12:01	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.503	g	50	mL	06/05/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952013 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0253S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 91.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	6.67	mg/kg		0.325	1.08	0.5	2	MS	BAJ	06/12/09 02:25	090611−4	873263
7440−43−9	Cadmium	0.0624	mg/kg	J	0.0217	0.217	0.2	2	MS	BAJ	06/12/09 02:25	090611−4	873263
7440−50−8	Copper	5.92	mg/kg	EN	0.0434	0.217	0.2	2	MS	BAJ	06/12/09 02:25	090611−4	873263
7439−92−1	Lead	5.8	mg/kg		0.108	0.434	0.4	2	MS	BAJ	06/12/09 17:09	090612−10	873263
7439−97−6	Mercury	0.00644	mg/kg	JEN	0.00405	0.0119	0.01	1	AV	JXL1	06/08/09 10:31	060809S1−12	873264
7440−66−6	Zinc	48.4	mg/kg		2.17	10.8	5	10	MS	BAJ	06/12/09 12:02	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.506	g	50	mL	06/05/09	AXG2
873264	873262	SW846 7471A Prep	0.552	g	30	mL	06/05/09	TXB3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952015 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0252S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 94.7

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	8.1	mg/kg		0.305	1.02	0.5	2	MS	BAJ	06/12/09 02:31	090611−4	873263
7439−97−6	Mercury	0.00738	mg/kg	JEN	0.00405	0.0119	0.01	1	AV	JXL1	06/08/09 10:41	060809S1−12	873264

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.519	g	50	mL	06/05/09	AXG2
873264	873262	SW846 7471A Prep	0.532	g	30	mL	06/05/09	TXB3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952017 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0251S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 95.3

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	13.3	mg/kg		0.306	1.02	0.5	2	MS	BAJ	06/12/09 02:37	090611−4	873263
7440−43−9	Cadmium	0.358	mg/kg		0.0204	0.204	0.2	2	MS	BAJ	06/12/09 02:37	090611−4	873263
7440−50−8	Copper	11.7	mg/kg	EN	0.0408	0.204	0.2	2	MS	BAJ	06/12/09 02:37	090611−4	873263
7439−92−1	Lead	30.2	mg/kg		0.51	2.04	0.4	10	MS	BAJ	06/12/09 17:13	090612−10	873263
7439−97−6	Mercury	0.0235	mg/kg	EN	0.00422	0.0124	0.01	1	AV	JXL1	06/08/09 10:43	060809S1−12	873264
7440−66−6	Zinc	195	mg/kg		10.2	51	5	50	MS	BAJ	06/12/09 12:11	090612−5	873263

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873263	873261	SW846 3050B	0.514	g	50	mL	06/05/09	AXG2
873264	873262	SW846 7471A Prep	0.507	g	30	mL	06/05/09	TXB3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952019 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0250S001 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 91.5

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−97−6	Mercury	0.00434	mg/kg	UEN	0.00434	0.0128	0.01	1	AV	JXL1	06/08/09 10:50	060809S1−12	873264

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873264	873262	SW846 7471A Prep	0.513	g	30	mL	06/05/09	TXB3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952021 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0249S002 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 92.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−97−6	Mercury	0.190	mg/kg	EN	0.00431	0.0127	0.01	1	AV	JXL1	06/11/09 11:12	061109S1−13	874500

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
874500	874499	SW846 7471A Prep	0.511	g	30	mL	06/10/09	TXB3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 230952 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 230952022 **BASIS:** As Received **DATE COLLECTED** 03−JUN−09

CLIENT ID: EBQW2217 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: WATER **%SOLIDS:** 0

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7429−90−5	Aluminum	68	ug/L	U	68	200	200	1	P	HSC	06/08/09 11:32	060809A−1	873358
7440−38−2	Arsenic	1.5	ug/L	U	1.5	5	5	1	MS	BAJ	06/09/09 05:33	090608−2	873385
7440−41−7	Beryllium	0.10	ug/L	U	0.1	0.5	0.5	1	MS	BAJ	06/09/09 05:33	090608−2	873385
7440−43−9	Cadmium	0.110	ug/L	U	0.11	1	1	1	MS	BAJ	06/09/09 05:33	090608−2	873385
7440−50−8	Copper	0.30	ug/L	U	0.3	1	1	1	MS	BAJ	06/09/09 05:33	090608−2	873385
7439−92−1	Lead	0.50	ug/L	U	0.5	2	2	1	MS	BAJ	06/09/09 15:18	090609−3	873385
7439−97−6	Mercury	0.067	ug/L	U	0.067	0.2	0.2	1	AV	JXL1	06/08/09 10:53	060809W1−11	873260
7782−49−2	Selenium	1	ug/L	U	1	5	5	1	MS	BAJ	06/09/09 05:33	090608−2	873385
7440−66−6	Zinc	2.6	ug/L	U	2.6	10	10	1	MS	BAJ	06/09/09 05:33	090608−2	873385

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
873260	873259	SW846 7470A Prep	20	mL	20	mL	06/05/09	TXB3
873358	873357	SW846 3005A	50	mL	50	mL	06/05/09	AXG2
873385	873384	SW846 3005A	50	mL	50	mL	06/05/09	AXG2

GEL Laboratories LLC
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March 05, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 231342
SDG: 231342H

Dear Ms. Elizabeth Wessling,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 04, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.054521
Chain of Custody: MWHBM20090603_00
Enclosures

GC/MS Volatile Analysis

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342003**	**Date Collected:**	**06/03/2009 10:15**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952012**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**10.3**
Client ID:	**B1BS0077S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:54**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p115.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:54**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.1	ug/kg	3.04	10.1	5.00
79−38−9	Chlorotrifluoroethylene	U	10.1	ug/kg	3.04	10.1	5.00
75−71−8	Dichlorodifluoromethane	U	1.01	ug/kg	0.304	1.01	5.00
74−87−3	Chloromethane	U	1.01	ug/kg	0.304	1.01	5.00
75−01−4	Vinyl chloride	U	1.01	ug/kg	0.304	1.01	2.00
74−83−9	Bromomethane	U	1.01	ug/kg	0.304	1.01	5.00
75−00−3	Chloroethane	U	1.01	ug/kg	0.304	1.01	5.00
75−69−4	Trichlorofluoromethane	U	1.01	ug/kg	0.577	1.01	5.00
67−64−1	Acetone		61.5	ug/kg	1.68	5.06	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.01	ug/kg	0.304	1.01	5.00
75−09−2	Methylene chloride	U	5.06	ug/kg	2.03	5.06	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.01	ug/kg	0.304	1.01	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.01	ug/kg	0.304	1.01	2.00
75−34−3	1,1−Dichloroethane	U	1.01	ug/kg	0.304	1.01	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*		11.7	ug/kg	1.27	5.06	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.01	ug/kg	0.304	1.01	2.00
594−20−7	2,2−Dichloropropane	U	1.01	ug/kg	0.304	1.01	1.00
67−66−3	Chloroform	U	1.01	ug/kg	0.304	1.01	2.00
74−97−5	Bromochloromethane	U	1.01	ug/kg	0.304	1.01	5.00
71−55−6	1,1,1−Trichloroethane	U	1.01	ug/kg	0.304	1.01	2.00
563−58−6	1,1−Dichloropropene	U	1.01	ug/kg	0.304	1.01	2.00
56−23−5	Carbon tetrachloride	U	1.01	ug/kg	0.304	1.01	1.00
107−06−2	1,2−Dichloroethane	U	1.01	ug/kg	0.304	1.01	2.00
71−43−2	Benzene	U	1.01	ug/kg	0.304	1.01	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.01	ug/kg	0.304	1.01	2.00
78−87−5	1,2−Dichloropropane	U	1.01	ug/kg	0.304	1.01	2.00
75−27−4	Bromodichloromethane	U	1.01	ug/kg	0.304	1.01	2.00
74−95−3	Dibromomethane	U	1.01	ug/kg	0.304	1.01	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.06	ug/kg	1.27	5.06	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.06	ug/kg	1.27	5.06	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.01	ug/kg	0.304	1.01	2.00
108−88−3	Toluene	J	0.538	ug/kg	0.304	1.01	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342003**	**Date Collected:**	**06/03/2009 10:15**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952012**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**10.3**
Client ID:	**B1BS0077S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:54**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p115.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:54**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.01	ug/kg	0.304	1.01	2.00
79−00−5	1,1,2−Trichloroethane	U	1.01	ug/kg	0.304	1.01	2.00
591−78−6	2−Hexanone	U	5.06	ug/kg	1.52	5.06	10.0
142−28−9	1,3−Dichloropropane	U	1.01	ug/kg	0.304	1.01	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.01	ug/kg	0.304	1.01	2.00
124−48−1	Dibromochloromethane	U	1.01	ug/kg	0.304	1.01	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.01	ug/kg	0.304	1.01	2.00
108−90−7	Chlorobenzene	U	1.01	ug/kg	0.304	1.01	2.00
100−41−4	Ethylbenzene	U	1.01	ug/kg	0.304	1.01	2.00
179601−23−1	m,p−Xylenes	J	0.427	ug/kg	0.304	2.03	2.00
95−47−6	o−Xylene	U	1.01	ug/kg	0.304	1.01	2.00
100−42−5	Styrene	J	0.819	ug/kg	0.304	1.01	2.00
75−25−2	Bromoform	U	1.01	ug/kg	0.304	1.01	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.01	ug/kg	0.304	1.01	2.00
96−18−4	1,2,3−Trichloropropane	U	1.01	ug/kg	0.304	1.01	1.00
108−86−1	Bromobenzene	U	1.01	ug/kg	0.304	1.01	5.00
103−65−1	n−Propylbenzene	U	1.01	ug/kg	0.304	1.01	2.00
95−49−8	2−Chlorotoluene	U	1.01	ug/kg	0.304	1.01	5.00
98−82−8	Isopropylbenzene	U	1.01	ug/kg	0.304	1.01	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.01	ug/kg	0.304	1.01	2.00
106−43−4	4−Chlorotoluene	U	1.01	ug/kg	0.304	1.01	5.00
98−06−6	tert−Butylbenzene	U	1.01	ug/kg	0.304	1.01	5.00
95−63−6	1,2,4−Trimethylbenzene	U	1.01	ug/kg	0.304	1.01	2.00
135−98−8	sec−Butylbenzene	U	1.01	ug/kg	0.304	1.01	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.01	ug/kg	0.304	1.01	2.00
541−73−1	1,3−Dichlorobenzene	U	1.01	ug/kg	0.304	1.01	2.00
106−46−7	1,4−Dichlorobenzene	U	1.01	ug/kg	0.304	1.01	2.00
104−51−8	n−Butylbenzene	U	1.01	ug/kg	0.304	1.01	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.01	ug/kg	0.506	1.01	5.00
87−68−3	Hexachlorobutadiene	U	1.01	ug/kg	0.304	1.01	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.01	ug/kg	0.304	1.01	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.06	ug/kg	1.62	5.06	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342003**	**Date Collected:**	**06/03/2009 10:15**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952012**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**10.3**
Client ID:	**B1BS0077S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:54**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p115.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:54**	**Aliquot:**	**5.5 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.01	ug/kg	0.304	1.01	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.01	ug/kg	0.304	1.01	5.00
95−50−1	1,2−Dichlorobenzene	U	1.01	ug/kg	0.304	1.01	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	54.2	50.0	ug/L	108	(68%−131%)
Bromofluorobenzene	53.8	50.0	ug/L	108	(68%−133%)
Toluene−d8	53.0	50.0	ug/L	106	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342002**	**Date Collected:**	**06/03/2009 09:40**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952010**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.1**
Client ID:	**B1BS0078S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:00**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p113.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:48**	**Aliquot:**	**4.8 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.7	ug/kg	3.22	10.7	5.00
79−38−9	Chlorotrifluoroethylene	U	10.7	ug/kg	3.22	10.7	5.00
75−71−8	Dichlorodifluoromethane	U	1.07	ug/kg	0.322	1.07	5.00
74−87−3	Chloromethane	U	1.07	ug/kg	0.322	1.07	5.00
75−01−4	Vinyl chloride	U	1.07	ug/kg	0.322	1.07	2.00
74−83−9	Bromomethane	U	1.07	ug/kg	0.322	1.07	5.00
75−00−3	Chloroethane	U	1.07	ug/kg	0.322	1.07	5.00
75−69−4	Trichlorofluoromethane	U	1.07	ug/kg	0.613	1.07	5.00
67−64−1	Acetone	U	5.37	ug/kg	1.78	5.37	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.07	ug/kg	0.322	1.07	5.00
75−09−2	Methylene chloride	U	5.37	ug/kg	2.15	5.37	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.07	ug/kg	0.322	1.07	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.07	ug/kg	0.322	1.07	2.00
75−34−3	1,1−Dichloroethane	U	1.07	ug/kg	0.322	1.07	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	5.37	ug/kg	1.34	5.37	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.07	ug/kg	0.322	1.07	2.00
594−20−7	2,2−Dichloropropane	U	1.07	ug/kg	0.322	1.07	1.00
67−66−3	Chloroform	U	1.07	ug/kg	0.322	1.07	2.00
74−97−5	Bromochloromethane	U	1.07	ug/kg	0.322	1.07	5.00
71−55−6	1,1,1−Trichloroethane	U	1.07	ug/kg	0.322	1.07	2.00
563−58−6	1,1−Dichloropropene	U	1.07	ug/kg	0.322	1.07	2.00
56−23−5	Carbon tetrachloride	U	1.07	ug/kg	0.322	1.07	1.00
107−06−2	1,2−Dichloroethane	U	1.07	ug/kg	0.322	1.07	2.00
71−43−2	Benzene	U	1.07	ug/kg	0.322	1.07	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.07	ug/kg	0.322	1.07	2.00
78−87−5	1,2−Dichloropropane	U	1.07	ug/kg	0.322	1.07	2.00
75−27−4	Bromodichloromethane	U	1.07	ug/kg	0.322	1.07	2.00
74−95−3	Dibromomethane	U	1.07	ug/kg	0.322	1.07	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.37	ug/kg	1.34	5.37	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.37	ug/kg	1.34	5.37	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.07	ug/kg	0.322	1.07	2.00
108−88−3	Toluene	U	1.07	ug/kg	0.322	1.07	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342002**	**Date Collected:**	**06/03/2009 09:40**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952010**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.1**
Client ID:	**B1BS0078S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:00**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p113.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:48**	**Aliquot:**	**4.8 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.07	ug/kg	0.322	1.07	2.00
79−00−5	1,1,2−Trichloroethane	U	1.07	ug/kg	0.322	1.07	2.00
591−78−6	2−Hexanone	U	5.37	ug/kg	1.61	5.37	10.0
142−28−9	1,3−Dichloropropane	U	1.07	ug/kg	0.322	1.07	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.07	ug/kg	0.322	1.07	2.00
124−48−1	Dibromochloromethane	U	1.07	ug/kg	0.322	1.07	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.07	ug/kg	0.322	1.07	2.00
108−90−7	Chlorobenzene	U	1.07	ug/kg	0.322	1.07	2.00
100−41−4	Ethylbenzene	U	1.07	ug/kg	0.322	1.07	2.00
179601−23−1	m,p−Xylenes	U	2.15	ug/kg	0.322	2.15	2.00
95−47−6	o−Xylene	U	1.07	ug/kg	0.322	1.07	2.00
100−42−5	Styrene	J	1.04	ug/kg	0.322	1.07	2.00
75−25−2	Bromoform	U	1.07	ug/kg	0.322	1.07	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.07	ug/kg	0.322	1.07	2.00
96−18−4	1,2,3−Trichloropropane	U	1.07	ug/kg	0.322	1.07	1.00
108−86−1	Bromobenzene	U	1.07	ug/kg	0.322	1.07	5.00
103−65−1	n−Propylbenzene	U	1.07	ug/kg	0.322	1.07	2.00
95−49−8	2−Chlorotoluene	U	1.07	ug/kg	0.322	1.07	5.00
98−82−8	Isopropylbenzene	U	1.07	ug/kg	0.322	1.07	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.07	ug/kg	0.322	1.07	2.00
106−43−4	4−Chlorotoluene	U	1.07	ug/kg	0.322	1.07	5.00
98−06−6	tert−Butylbenzene	U	1.07	ug/kg	0.322	1.07	5.00
95−63−6	1,2,4−Trimethylbenzene	U	1.07	ug/kg	0.322	1.07	2.00
135−98−8	sec−Butylbenzene	U	1.07	ug/kg	0.322	1.07	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.07	ug/kg	0.322	1.07	2.00
541−73−1	1,3−Dichlorobenzene	U	1.07	ug/kg	0.322	1.07	2.00
106−46−7	1,4−Dichlorobenzene	U	1.07	ug/kg	0.322	1.07	2.00
104−51−8	n−Butylbenzene	U	1.07	ug/kg	0.322	1.07	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.07	ug/kg	0.537	1.07	5.00
87−68−3	Hexachlorobutadiene	U	1.07	ug/kg	0.322	1.07	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.07	ug/kg	0.322	1.07	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.37	ug/kg	1.72	5.37	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342002**	**Date Collected:**	**06/03/2009 09:40**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952010**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.1**
Client ID:	**B1BS0078S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 22:00**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p113.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:48**	**Aliquot:**	**4.8 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.07	ug/kg	0.322	1.07	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.07	ug/kg	0.322	1.07	5.00
95−50−1	1,2−Dichlorobenzene	U	1.07	ug/kg	0.322	1.07	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	53.7	50.0	ug/L	107	(68%−131%)
Bromofluorobenzene	56.2	50.0	ug/L	112	(68%−133%)
Toluene−d8	52.9	50.0	ug/L	106	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342001**	**Date Collected:**	**06/03/2009 07:50**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952004**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.7**
Client ID:	**B1BS0080S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 23:21**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p116.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:41**	**Aliquot:**	**4.9 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
75−88−7	2−Chloro−1,1,1−trifluoroethane	U	10.6	ug/kg	3.18	10.6	5.00
79−38−9	Chlorotrifluoroethylene	U	10.6	ug/kg	3.18	10.6	5.00
75−71−8	Dichlorodifluoromethane	U	1.06	ug/kg	0.318	1.06	5.00
74−87−3	Chloromethane	U	1.06	ug/kg	0.318	1.06	5.00
75−01−4	Vinyl chloride	U	1.06	ug/kg	0.318	1.06	2.00
74−83−9	Bromomethane	U	1.06	ug/kg	0.318	1.06	5.00
75−00−3	Chloroethane	U	1.06	ug/kg	0.318	1.06	5.00
75−69−4	Trichlorofluoromethane	U	1.06	ug/kg	0.604	1.06	5.00
67−64−1	Acetone	U	5.30	ug/kg	1.76	5.30	10.0
75−35−4	1,1−Dichloroethene *1,1−Dichloroethylene*	U	1.06	ug/kg	0.318	1.06	5.00
75−09−2	Methylene chloride	U	5.30	ug/kg	2.12	5.30	5.00
1634−04−4	Methyl−tert−butyl Ether (MTBE) *tert−Butyl methyl ether*	U	1.06	ug/kg	0.318	1.06	5.00
156−60−5	trans−1,2−Dichloroethene *trans−1,2−Dichloroethylene*	U	1.06	ug/kg	0.318	1.06	2.00
75−34−3	1,1−Dichloroethane	U	1.06	ug/kg	0.318	1.06	2.00
78−93−3	2−Butanone (MEK) *2−Butanone*	U	5.30	ug/kg	1.32	5.30	10.0
156−59−2	cis−1,2−Dichloroethene *cis−1,2−Dichloroethylene*	U	1.06	ug/kg	0.318	1.06	2.00
594−20−7	2,2−Dichloropropane	U	1.06	ug/kg	0.318	1.06	1.00
67−66−3	Chloroform	U	1.06	ug/kg	0.318	1.06	2.00
74−97−5	Bromochloromethane	U	1.06	ug/kg	0.318	1.06	5.00
71−55−6	1,1,1−Trichloroethane	U	1.06	ug/kg	0.318	1.06	2.00
563−58−6	1,1−Dichloropropene	U	1.06	ug/kg	0.318	1.06	2.00
56−23−5	Carbon tetrachloride	U	1.06	ug/kg	0.318	1.06	1.00
107−06−2	1,2−Dichloroethane	U	1.06	ug/kg	0.318	1.06	2.00
71−43−2	Benzene	J	0.334	ug/kg	0.318	1.06	2.00
79−01−6	Trichloroethene *Trichloroethylene*	U	1.06	ug/kg	0.318	1.06	2.00
78−87−5	1,2−Dichloropropane	U	1.06	ug/kg	0.318	1.06	2.00
75−27−4	Bromodichloromethane	U	1.06	ug/kg	0.318	1.06	2.00
74−95−3	Dibromomethane	U	1.06	ug/kg	0.318	1.06	1.00
110−75−8	2−Chloroethyl vinyl ether *2−Chloroethylvinyl ether*	U	5.30	ug/kg	1.32	5.30	5.00
108−10−1	4−Methyl−2−pentanone (MIBK) *4−Methyl−2−pentanone*	U	5.30	ug/kg	1.32	5.30	5.00
10061−01−5	cis−1,3−Dichloropropene *cis−1,3−Dichloropropylene*	U	1.06	ug/kg	0.318	1.06	2.00
108−88−3	Toluene		6.45	ug/kg	0.318	1.06	2.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342001**	**Date Collected:**	**06/03/2009 07:50**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952004**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.7**
Client ID:	**B1BS0080S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 23:21**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p116.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:41**	**Aliquot:**	**4.9 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
10061−02−6	trans−1,3−Dichloropropene *trans−1,3−Dichloropropylene*	U	1.06	ug/kg	0.318	1.06	2.00
79−00−5	1,1,2−Trichloroethane	U	1.06	ug/kg	0.318	1.06	2.00
591−78−6	2−Hexanone	U	5.30	ug/kg	1.59	5.30	10.0
142−28−9	1,3−Dichloropropane	U	1.06	ug/kg	0.318	1.06	2.00
127−18−4	Tetrachloroethene *Tetrachloroethylene*	U	1.06	ug/kg	0.318	1.06	2.00
124−48−1	Dibromochloromethane	U	1.06	ug/kg	0.318	1.06	2.00
106−93−4	1,2−Dibromoethane (EDB) *1,2−Dibromoethane*	U	1.06	ug/kg	0.318	1.06	2.00
108−90−7	Chlorobenzene	U	1.06	ug/kg	0.318	1.06	2.00
100−41−4	Ethylbenzene	J	0.538	ug/kg	0.318	1.06	2.00
179601−23−1	m,p−Xylenes	J	1.49	ug/kg	0.318	2.12	2.00
95−47−6	o−Xylene	U	1.06	ug/kg	0.318	1.06	2.00
100−42−5	Styrene	J	0.927	ug/kg	0.318	1.06	2.00
75−25−2	Bromoform	U	1.06	ug/kg	0.318	1.06	5.00
79−34−5	1,1,2,2−Tetrachloroethane	U	1.06	ug/kg	0.318	1.06	2.00
96−18−4	1,2,3−Trichloropropane	U	1.06	ug/kg	0.318	1.06	1.00
108−86−1	Bromobenzene	U	1.06	ug/kg	0.318	1.06	5.00
103−65−1	n−Propylbenzene	U	1.06	ug/kg	0.318	1.06	2.00
95−49−8	2−Chlorotoluene	U	1.06	ug/kg	0.318	1.06	5.00
98−82−8	Isopropylbenzene	U	1.06	ug/kg	0.318	1.06	2.00
108−67−8	1,3,5−Trimethylbenzene	U	1.06	ug/kg	0.318	1.06	2.00
106−43−4	4−Chlorotoluene	U	1.06	ug/kg	0.318	1.06	5.00
98−06−6	tert−Butylbenzene	U	1.06	ug/kg	0.318	1.06	5.00
95−63−6	1,2,4−Trimethylbenzene	J	0.392	ug/kg	0.318	1.06	2.00
135−98−8	sec−Butylbenzene	U	1.06	ug/kg	0.318	1.06	5.00
99−87−6	p−Isopropyltoluene *4−Isopropyltoluene*	U	1.06	ug/kg	0.318	1.06	2.00
541−73−1	1,3−Dichlorobenzene	U	1.06	ug/kg	0.318	1.06	2.00
106−46−7	1,4−Dichlorobenzene	U	1.06	ug/kg	0.318	1.06	2.00
104−51−8	n−Butylbenzene	U	1.06	ug/kg	0.318	1.06	5.00
96−12−8	1,2−Dibromo−3−chloropropane	U	1.06	ug/kg	0.530	1.06	5.00
87−68−3	Hexachlorobutadiene	U	1.06	ug/kg	0.318	1.06	5.00
87−61−6	1,2,3−Trichlorobenzene	U	1.06	ug/kg	0.318	1.06	5.00
76−13−1	1,1,2−Trichloro−1,2,2−trifluoroethane *Trichlorotrifluoroethane*	U	5.30	ug/kg	1.69	5.30	5.00

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**231342H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**231342001**	**Date Collected:**	**06/03/2009 07:50**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952004**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**3.7**
Client ID:	**B1BS0080S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**874859**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL−OA−E−038**
Run Date:	**06/08/2009 23:21**	**Analyst:**	**ACJ**	**Instrument:**	**VOA4.I**
Data File:	**4p116.d**	**Purge Vol:**	**5 mL**	**Dilution:**	**1**
Prep Batch:	**874858**	**Prep Method:**	**SW846 5035**	**Prep SOP Ref:**	**GL−OA−E−039**
Prep Date:	**06/04/2009 12:41**	**Aliquot:**	**4.9 g**	**Final Volume:**	**5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
630−20−6	1,1,1,2−Tetrachloroethane	U	1.06	ug/kg	0.318	1.06	1.00
120−82−1	1,2,4−Trichlorobenzene	U	1.06	ug/kg	0.318	1.06	5.00
95−50−1	1,2−Dichlorobenzene	U	1.06	ug/kg	0.318	1.06	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
1,2−Dichloroethane−d4	54.4	50.0	ug/L	109	(68%−131%)
Bromofluorobenzene	59.2	50.0	ug/L	118	(68%−133%)
Toluene−d8	53.6	50.0	ug/L	107	(75%−129%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

GEL Laboratories LLC
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March 05, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 232668
SDG: 232668H

Dear Ms. Elizabeth Wessling,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2009, June 02, 2009, June 03, 2009 and June 04, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline A Trudell

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.054521
Chain of Custody: MWHAR20090630_00, MWHBM20090601_00, MWHBM20090602_00, MWHBM20090603_00, MWHBM20090630_00 and MWHSD20090630_00
Enclosures

GC/MS Semivolatile Analysis

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668015**	**Date Collected:**	**06/02/2009 09:47**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230859011**	**Date Received:**	**06/03/2009 09:15**	**%Moisture:**	**1.9**
Client ID:	**ENBS0082S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882908**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL-OA-E-009**
Run Date:	**07/08/2009 10:42**	**Analyst:**	**JMB3**	**Instrument:**	**MSD4.I**
Data File:	**s4g0807.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**882907**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 23:50**	**Aliquot:**	**30.03 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	n-Nitrosodimethylamine *N-Methyl-N-nitrosomethylamine*	Uh	17.0	ug/kg	3.39	17.0	20.0
83-32-9	Acenaphthene	Uh	17.0	ug/kg	5.67	17.0	20.0
129-00-0	Pyrene	Uh	17.0	ug/kg	5.33	17.0	20.0
91-20-3	Naphthalene	Uh	17.0	ug/kg	5.09	17.0	20.0
91-57-6	2-Methylnaphthalene	Uh	17.0	ug/kg	3.39	17.0	20.0
90-12-0	1-Methylnaphthalene	Uh	17.0	ug/kg	5.09	17.0	20.0
131-11-3	Dimethylphthalate	Uh	17.0	ug/kg	5.09	17.0	20.0
208-96-8	Acenaphthylene	Uh	17.0	ug/kg	5.09	17.0	20.0
84-66-2	Diethylphthalate	Uh	17.0	ug/kg	5.09	17.0	20.0
86-73-7	Fluorene	Uh	17.0	ug/kg	5.09	17.0	20.0
85-01-8	Phenanthrene	Uh	17.0	ug/kg	5.09	17.0	20.0
120-12-7	Anthracene	Uh	17.0	ug/kg	3.39	17.0	20.0
84-74-2	Di-n-butylphthalate	Uh	17.0	ug/kg	5.09	17.0	20.0
206-44-0	Fluoranthene	Uh	17.0	ug/kg	5.09	17.0	20.0
85-68-7	Butyl benzyl phthalate *Butylbenzylphthalate*	Uh	17.0	ug/kg	5.09	17.0	20.0
56-55-3	Benzo(a)anthracene	Uh	17.0	ug/kg	5.09	17.0	20.0
218-01-9	Chrysene	Uh	17.0	ug/kg	5.09	17.0	20.0
117-81-7	bis(2-Ethylhexyl)phthalate	BJh	10.6	ug/kg	5.60	17.0	20.0
117-84-0	Di-n-octyl-phthalate *Di-n-octylphthalate*	Uh	17.0	ug/kg	5.09	17.0	20.0
205-99-2	Benzo(b)fluoranthene	Uh	17.0	ug/kg	5.09	17.0	20.0
207-08-9	Benzo(k)fluoranthene	Uh	17.0	ug/kg	5.09	17.0	20.0
50-32-8	Benzo(a)pyrene	Uh	17.0	ug/kg	5.09	17.0	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	Uh	17.0	ug/kg	5.09	17.0	20.0
53-70-3	Dibenzo(a,h)anthracene	Uh	17.0	ug/kg	5.09	17.0	20.0
191-24-2	Benzo(ghi)perylene	Uh	17.0	ug/kg	5.09	17.0	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	1160	1700	ug/kg	68.5	(37%-106%)
2-Fluorophenol	1100	1700	ug/kg	64.8	(35%-96%)
Phenol-d5	1140	1700	ug/kg	67.3	(36%-96%)
2-Fluorobiphenyl	604	849	ug/kg	71.1	(36%-100%)
Nitrobenzene-d5	562	849	ug/kg	66.2	(34%-104%)
p-Terphenyl-d14	718	849	ug/kg	84.6	(40%-124%)

Comments:

B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
h Preparation or preservation holding time was exceeded

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668016**	**Date Collected:**	**06/02/2009 10:05**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230859012**	**Date Received:**	**06/03/2009 09:15**	**%Moisture:**	**1.5**
Client ID:	**ENBS0083S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882908**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL-OA-E-009**
Run Date:	**07/08/2009 11:29**	**Analyst:**	**JMB3**	**Instrument:**	**MSD4.I**
Data File:	**s4g0809.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**882907**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 23:50**	**Aliquot:**	**30 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	n-Nitrosodimethylamine *N-Methyl-N-nitrosomethylamine*	Uh	16.9	ug/kg	3.38	16.9	20.0
83-32-9	Acenaphthene	Uh	16.9	ug/kg	5.65	16.9	20.0
129-00-0	Pyrene	Jh	6.63	ug/kg	5.31	16.9	20.0
91-20-3	Naphthalene	Uh	16.9	ug/kg	5.08	16.9	20.0
91-57-6	2-Methylnaphthalene	Uh	16.9	ug/kg	3.38	16.9	20.0
90-12-0	1-Methylnaphthalene	Uh	16.9	ug/kg	5.08	16.9	20.0
131-11-3	Dimethylphthalate	Uh	16.9	ug/kg	5.08	16.9	20.0
208-96-8	Acenaphthylene	Uh	16.9	ug/kg	5.08	16.9	20.0
84-66-2	Diethylphthalate	Uh	16.9	ug/kg	5.08	16.9	20.0
86-73-7	Fluorene	Uh	16.9	ug/kg	5.08	16.9	20.0
85-01-8	Phenanthrene	Uh	16.9	ug/kg	5.08	16.9	20.0
120-12-7	Anthracene	Uh	16.9	ug/kg	3.38	16.9	20.0
84-74-2	Di-n-butylphthalate	Jh	6.70	ug/kg	5.08	16.9	20.0
206-44-0	Fluoranthene	Jh	5.64	ug/kg	5.08	16.9	20.0
85-68-7	Butyl benzyl phthalate *Butylbenzylphthalate*	Uh	16.9	ug/kg	5.08	16.9	20.0
56-55-3	Benzo(a)anthracene	Jh	5.08	ug/kg	5.08	16.9	20.0
218-01-9	Chrysene	Jh	5.91	ug/kg	5.08	16.9	20.0
117-81-7	bis(2-Ethylhexyl)phthalate	BJh	14.4	ug/kg	5.58	16.9	20.0
117-84-0	Di-n-octyl-phthalate *Di-n-octylphthalate*	Uh	16.9	ug/kg	5.08	16.9	20.0
205-99-2	Benzo(b)fluoranthene	Jh	8.88	ug/kg	5.08	16.9	20.0
207-08-9	Benzo(k)fluoranthene	Uh	16.9	ug/kg	5.08	16.9	20.0
50-32-8	Benzo(a)pyrene	Uh	16.9	ug/kg	5.08	16.9	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	Uh	16.9	ug/kg	5.08	16.9	20.0
53-70-3	Dibenzo(a,h)anthracene	Uh	16.9	ug/kg	5.08	16.9	20.0
191-24-2	Benzo(ghi)perylene	Jh	5.19	ug/kg	5.08	16.9	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	1330	1690	ug/kg	78.7	(37%-106%)
2-Fluorophenol	993	1690	ug/kg	58.7	(35%-96%)
Phenol-d5	1130	1690	ug/kg	66.6	(36%-96%)
2-Fluorobiphenyl	599	846	ug/kg	70.8	(36%-100%)
Nitrobenzene-d5	457	846	ug/kg	54.1	(34%-104%)
p-Terphenyl-d14	855	846	ug/kg	101	(40%-124%)

Comments:

B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
h Preparation or preservation holding time was exceeded

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668017**	**Date Collected:**	**06/02/2009 10:17**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230859013**	**Date Received:**	**06/03/2009 09:15**	**%Moisture:**	**2.6**
Client ID:	**ENBS0084S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882908**	**Method:**	**SW846 8270C Low Level**	**SOP Ref:**	**GL-OA-E-009**
Run Date:	**07/08/2009 13:47**	**Analyst:**	**JMB3**	**Instrument:**	**MSD4.I**
Data File:	**s4g0815.d**	**Inj. Vol:**	**.5 uL**	**Dilution:**	**1**
Prep Batch:	**882907**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 23:50**	**Aliquot:**	**30 g**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	n-Nitrosodimethylamine *N-Methyl-N-nitrosomethylamine*	Uh	17.1	ug/kg	3.42	17.1	20.0
83-32-9	Acenaphthene	Uh	17.1	ug/kg	5.72	17.1	20.0
129-00-0	Pyrene	Jh	5.48	ug/kg	5.37	17.1	20.0
91-20-3	Naphthalene	Uh	17.1	ug/kg	5.14	17.1	20.0
91-57-6	2-Methylnaphthalene	Uh	17.1	ug/kg	3.42	17.1	20.0
90-12-0	1-Methylnaphthalene	Uh	17.1	ug/kg	5.14	17.1	20.0
131-11-3	Dimethylphthalate	Uh	17.1	ug/kg	5.14	17.1	20.0
208-96-8	Acenaphthylene	Uh	17.1	ug/kg	5.14	17.1	20.0
84-66-2	Diethylphthalate	Uh	17.1	ug/kg	5.14	17.1	20.0
86-73-7	Fluorene	Uh	17.1	ug/kg	5.14	17.1	20.0
85-01-8	Phenanthrene	Uh	17.1	ug/kg	5.14	17.1	20.0
120-12-7	Anthracene	Uh	17.1	ug/kg	3.42	17.1	20.0
84-74-2	Di-n-butylphthalate	Uh	17.1	ug/kg	5.14	17.1	20.0
206-44-0	Fluoranthene	Uh	17.1	ug/kg	5.14	17.1	20.0
85-68-7	Butyl benzyl phthalate *Butylbenzylphthalate*	Jh	12.3	ug/kg	5.14	17.1	20.0
56-55-3	Benzo(a)anthracene	Uh	17.1	ug/kg	5.14	17.1	20.0
218-01-9	Chrysene	Uh	17.1	ug/kg	5.14	17.1	20.0
117-81-7	bis(2-Ethylhexyl)phthalate	Bh	34.9	ug/kg	5.65	17.1	20.0
117-84-0	Di-n-octyl-phthalate *Di-n-octylphthalate*	Uh	17.1	ug/kg	5.14	17.1	20.0
205-99-2	Benzo(b)fluoranthene	Jh	7.90	ug/kg	5.14	17.1	20.0
207-08-9	Benzo(k)fluoranthene	Uh	17.1	ug/kg	5.14	17.1	20.0
50-32-8	Benzo(a)pyrene	Uh	17.1	ug/kg	5.14	17.1	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	Uh	17.1	ug/kg	5.14	17.1	20.0
53-70-3	Dibenzo(a,h)anthracene	Uh	17.1	ug/kg	5.14	17.1	20.0
191-24-2	Benzo(ghi)perylene	Uh	17.1	ug/kg	5.14	17.1	20.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
2,4,6-Tribromophenol	1390	1710	ug/kg	81.5	(37%-106%)
2-Fluorophenol	1250	1710	ug/kg	73.1	(35%-96%)
Phenol-d5	1370	1710	ug/kg	80.2	(36%-96%)
2-Fluorobiphenyl	672	856	ug/kg	78.5	(36%-100%)
Nitrobenzene-d5	595	856	ug/kg	69.5	(34%-104%)
p-Terphenyl-d14	950	856	ug/kg	111	(40%-124%)

Comments:

B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
h Preparation or preservation holding time was exceeded

GC
SEMIVOLATILE
DRO
ANALYSIS

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	232668H	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	232668018	**Date Collected:**	06/03/2009 07:50	**Matrix:**	Soil
Client Sample:	Relog of 230952004	**Date Received:**	06/04/2009 09:45	**%Moisture:**	3.2
Client ID:	B1BS0080S002			**Prep Basis:**	Dry Weight
Batch ID:	885748	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	06/12/2009 13:19	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	007f0701.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	885746	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	06/09/2009 20:59	**Aliquot:**	30.05 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 – C	EFH (>C11 – C14)	U	3.44	mg/kg	1.13	3.44	5.00
EFH (>C14 – C2	EFH (>C14 – C20)	U	3.44	mg/kg	1.13	3.44	5.00
EFH (>C20 – C3	EFH (>C20 – C30)	B	13.2	mg/kg	1.13	3.44	5.00
EFH (C8 – C11)	EFH (C8 – C11)	U	3.44	mg/kg	1.13	3.44	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5–alpha–Androstane	0.992	1.72	mg/kg	57.7	(34%–108%)

Comments:

B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

GC SEMIVOLATILE PCB ANALYSIS

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668019**	**Date Collected:**	**06/03/2009 13:05**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952021**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**7.1**
Client ID:	**ILBS0249S002**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882970**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Run Date:	**07/08/2009 13:52**	**Analyst:**	**YS1**	**Instrument:**	**ECD2A.I**
Data File:	**Dual Column**	**Inj. Vol:**	**1 uL**	**Dilution:**	**5**
Prep Batch:	**882968**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 20:33**	**Aliquot:**	**30.04 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL	Data File
12674-11-2	Aroclor-1016	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
11104-28-2	Aroclor-1221	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
11141-16-5	Aroclor-1232	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
53469-21-9	Aroclor-1242	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
12672-29-6	Aroclor-1248	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
11097-69-1	Aroclor-1254	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d
11096-82-5	Aroclor-1260	U	17.9	ug/kg	5.97	17.9	20.0	030f3001.d

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits	Data File
4cmx	4.39	7.17	ug/kg	61.3	(34%-105%)	030b3001.d
Decachlorobiphenyl	3.35	7.17	ug/kg	46.7	(33%-115%)	030f3001.d

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668020**	**Date Collected:**	**06/03/2009 12:45**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952019**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**8.7**
Client ID:	**ILBS0250S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882970**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Run Date:	**07/08/2009 14:04**	**Analyst:**	**YS1**	**Instrument:**	**ECD2A.I**
Data File:	**Dual Column**	**Inj. Vol:**	**1 uL**	**Dilution:**	**1**
Prep Batch:	**882968**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 20:33**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL	Data File
12674-11-2	Aroclor-1016	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
11104-28-2	Aroclor-1221	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
11141-16-5	Aroclor-1232	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
53469-21-9	Aroclor-1242	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
12672-29-6	Aroclor-1248	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
11097-69-1	Aroclor-1254	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d
11096-82-5	Aroclor-1260	U	3.65	ug/kg	1.22	3.65	20.0	031f3101.d

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits	Data File
4cmx	3.76	7.30	ug/kg	51.5	(34%-105%)	031b3101.d
Decachlorobiphenyl	3.13	7.30	ug/kg	42.8	(33%-115%)	031f3101.d

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668021**	**Date Collected:**	**06/03/2009 12:20**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952017**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**4.5**
Client ID:	**ILBS0251S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882970**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Run Date:	**07/08/2009 14:15**	**Analyst:**	**YS1**	**Instrument:**	**ECD2A.I**
Data File:	**Dual Column**	**Inj. Vol:**	**1 uL**	**Dilution:**	**1**
Prep Batch:	**882968**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 20:33**	**Aliquot:**	**30.08 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL	Data File
12674-11-2	Aroclor-1016	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
11104-28-2	Aroclor-1221	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
11141-16-5	Aroclor-1232	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
53469-21-9	Aroclor-1242	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
12672-29-6	Aroclor-1248	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
11097-69-1	Aroclor-1254	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d
11096-82-5	Aroclor-1260	U	3.48	ug/kg	1.16	3.48	20.0	032f3201.d

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits	Data File
4cmx	4.10	6.96	ug/kg	58.9	(34%-105%)	032b3201.d
Decachlorobiphenyl	3.24	6.96	ug/kg	46.5	(33%-115%)	032f3201.d

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**232668H**	**Client:**	**SSFL001**	**Project:**	**SSFL00149**
Lab Sample ID:	**232668022**	**Date Collected:**	**06/03/2009 10:55**	**Matrix:**	**Soil**
Client Sample:	**Relog of 230952013**	**Date Received:**	**06/04/2009 09:45**	**%Moisture:**	**10.3**
Client ID:	**ILBS0253S001**			**Prep Basis:**	**Dry Weight**
Batch ID:	**882970**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Run Date:	**07/08/2009 14:26**	**Analyst:**	**YS1**	**Instrument:**	**ECD2A.I**
Data File:	**Dual Column**	**Inj. Vol:**	**1 uL**	**Dilution:**	**5**
Prep Batch:	**882968**	**Prep Method:**	**SW846 3550B**	**Prep SOP Ref:**	**GL-OA-E-010**
Prep Date:	**07/07/2009 20:33**	**Aliquot:**	**30.06 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL	Data File
12674-11-2	Aroclor-1016	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
11104-28-2	Aroclor-1221	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
11141-16-5	Aroclor-1232	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
53469-21-9	Aroclor-1242	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
12672-29-6	Aroclor-1248	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
11097-69-1	Aroclor-1254	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d
11096-82-5	Aroclor-1260	U	18.5	ug/kg	6.17	18.5	20.0	033f3301.d

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits	Data File
4cmx	4.09	7.41	ug/kg	55.2	(34%-105%)	033b3301.d
Decachlorobiphenyl	3.26	7.41	ug/kg	44.0	(33%-115%)	033f3301.d

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Metals Analysis

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 232668H **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 232668011 **BASIS:** As Received **DATE COLLECTED** 30−JUN−09

CLIENT ID: FBQW2234 **LEVEL:** Low **DATE RECEIVED** 01−JUL−09

MATRIX: WATER **%SOLIDS:** 0

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−50−8	Copper	0.330	ug/L	U	0.33	1	1	1	MS	PRB	07/08/09 00:21	090707−1	881846
7439−92−1	Lead	0.50	ug/L	U	0.5	2	2	1	MS	PRB	07/08/09 00:21	090707−1	881846

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
881846	881845	SW846 3005A	50	mL	50	mL	07/06/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 232668H **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 232668013 **BASIS:** Dry Weight **DATE COLLECTED** 03−JUN−09

CLIENT ID: ILBS0251S002 **LEVEL:** Low **DATE RECEIVED** 04−JUN−09

MATRIX: SOIL **%SOLIDS:** 92.5

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−97−6	Mercury	0.00439	mg/kg	U	0.00439	0.0129	0.01	1	AV	JXL1	07/06/09 10:20	070609S1−2	881907
7440−66−6	Zinc	50.2	mg/kg		0.427	2.14	5	2	MS	PRB	07/08/09 00:49	090707−1	881849

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
881849	881848	SW846 3050B	0.506	g	50	mL	07/07/09	AXG2
881907	881906	SW846 7471A Prep	0.502	g	30	mL	07/02/09	TXB3

Subcontract Data
Dioxins

Method 1613

B1BS0091S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.224	0.857			
1,2,3,7,8-PeCDD	ND	0.211	4.29			EMPC
1,2,3,4,7,8-HxCDD	0.631	0.209	4.29	35:41	1.33	A
1,2,3,6,7,8-HxCDD	4.77	0.213	4.29	35:46	1.24	
1,2,3,7,8,9-HxCDD	1.89	0.213	4.29	35:59	1.20	A
1,2,3,4,6,7,8-HpCDD	155	0.474	4.29	38:47	1.04	Q
OCDD	3080	0.398	8.57	42:38	0.89	
2,3,7,8-TCDF	0.374	0.161	0.857	28:45	0.8	A Q
1,2,3,7,8-PeCDF	0.295	0.0761	4.29	32:32	1.50	A
2,3,4,7,8-PeCDF	0.434	0.0825	4.29	33:07	1.56	A
1,2,3,4,7,8-HxCDF	0.794	0.136	4.29	35:02	1.17	A
1,2,3,6,7,8-HxCDF	0.437	0.136	4.29	35:08	1.21	A
2,3,4,6,7,8-HxCDF	0.631	0.151	4.29	35:35	1.35	A
1,2,3,7,8,9-HxCDF	0.477	0.179	4.29	36:17	1.22	A
1,2,3,4,6,7,8-HpCDF	10.5	0.188	4.29	37:40	1.03	
1,2,3,4,7,8,9-HpCDF	0.429	0.314	4.29	39:22	1.17	A
OCDF	13.4	0.331	8.57	42:53	0.88	
Total TCDDs	ND	0.224	0.857			Q
Total PeCDDs	ND	0.257	4.29			Q
Total HxCDDs	34.4	0.212	4.29			Q
Total HpCDDs	790	0.474	4.29			
Total TCDFs	0.952	0.161	0.857			Q
Total PeCDFs	3.47	0.0794	4.29			A Q
Total HxCDFs	21.3	0.149	4.29			Q
Total HpCDFs	31.7	0.243	4.29			
WHO-2005 TEQ (ND=0)	3.73					
WHO-2005 TEQ (ND=½)	4.16					

Client Information

Project Name:	SSFL 232668
Sample ID:	B1BS0091S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-1B	
Collection Date/Time:	30-Jun-09	12:13
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	8-Jul-09	23:49

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.05	Grams
Solids / Lipids:	96.8	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-11	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Method 1613

B1BS0091S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.70	85.2	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.91	95.7	33:17	1.60	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.88	94.1	35:41	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.77	88.6	35:46	1.28	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.80	90.1	38:46	1.05	Q
$^{13}C_{12}$-OCDD	4.00	3.45	86.3	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.87	93.7	28:44	0.81	Q
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.90	95.2	32:32	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.89	94.7	33:07	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.89	94.4	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.85	92.6	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.82	90.8	35:35	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.89	94.6	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.66	82.8	37:39	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.65	82.4	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.361	90.3	29:41	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	Q
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.26	

Client Information

Project Name:	SSFL 232668	
Sample ID:	B1BS0091S001	
Laboratory Information		
Project ID:	G341-588	
Sample ID:	G341-588-1B	
Collection Date/Time:	30-Jun-09	12:13
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	08-Jul-09	23:49

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.05	Grams
Solids / Lipids:	96.8	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-11	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: [signature]
Date: 7-15-09

Form Version:[1613_edl]Report

Method 1613

B1BS0092D001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.269	0.856			
1,2,3,7,8-PeCDD	1.86	0.216	4.28	33:17	1.56	A
1,2,3,4,7,8-HxCDD	4.26	0.302	4.28	35:41	1.15	A
1,2,3,6,7,8-HxCDD	41.4	0.312	4.28	35:46	1.26	
1,2,3,7,8,9-HxCDD	13.0	0.309	4.28	36:00	1.25	
1,2,3,4,6,7,8-HpCDD	1440	0.195	4.28	38:47	1.03	
OCDD	25500	0.243	8.56	42:39	0.95	E S
2,3,7,8-TCDF	0.746	0.189	0.856	28:45	0.77	A
1,2,3,7,8-PeCDF	2.04	0.189	4.28	32:32	1.57	A
2,3,4,7,8-PeCDF	3.19	0.195	4.28	33:07	1.49	A
1,2,3,4,7,8-HxCDF	6.51	0.277	4.28	35:02	1.27	
1,2,3,6,7,8-HxCDF	2.57	0.274	4.28	35:08	1.37	A
2,3,4,6,7,8-HxCDF	4.84	0.272	4.28	35:35	1.22	
1,2,3,7,8,9-HxCDF	4.09	0.325	4.28	36:17	1.24	A
1,2,3,4,6,7,8-HpCDF	99.9	0.248	4.28	37:40	1.04	
1,2,3,4,7,8,9-HpCDF	3.26	0.356	4.28	39:22	1.13	A
OCDF	113	0.238	8.56	42:53	0.89	
Total TCDDs	2.09	0.269	0.856			
Total PeCDDs	17.4	0.216	4.28			Q
Total HxCDDs	366	0.308	4.28			
Total HpCDDs	8340	0.195	4.28			
Total TCDFs	3.80	0.189	0.856			
Total PeCDFs	30.2	0.192	4.28			Q
Total HxCDFs	236	0.286	4.28			
Total HpCDFs	334	0.296	4.28			
WHO-2005 TEQ (ND=0)	33.7					
WHO-2005 TEQ (ND=½)	34.0					

Client Information

Project Name:	SSFL 232668		
Sample ID:	B1BS0092D001		

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-2B	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	9-Jul-09	0:37

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.33	Grams
Solids / Lipids:	94.8	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-12	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Method 1613

B1BS0092D001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.54	77.0	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.99	99.6	33:17	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.75	87.6	35:41	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.82	91.2	35:45	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	2.14	107	38:46	1.06	
$^{13}C_{12}$-OCDD	4.00	5.59	140	42:38	0.91	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.55	77.4	28:43	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.79	89.4	32:32	1.59	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.82	90.9	33:06	1.60	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.74	87.2	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.72	86.2	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.74	87.2	35:34	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.83	91.6	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.74	86.8	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.79	89.5	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.334	83.5	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.26	

Client Information

Project Name:	SSFL 232668	
Sample ID:	B1BS0092D001	
Laboratory Information		
Project ID:	G341-588	
Sample ID:	G341-588-2B	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	09-Jul-09	0:37

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.33	Grams
Solids / Lipids:	94.8	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-12	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: TM
Date: 7-15-09

Form Version:[1613_edl]Report

TCDF Confirmation - Method 1613
B1BS0092D001
General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	Adj. EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDF	0.811	0.138	0.856	20.02	0.68	A

Labeled Standard	Spiked Amount (ng)	RT (min.)	Ratio	Qualifier
Extraction Standards				
13C12-2,3,7,8-TCDF	2	20.00	0.76	

Client Information			**Sample Information**		
Project Name:	SSFL 232668		Report Basis:	Dry	
			Matrix:	Soil	
Sample ID:	B1BS0092D001		Weight / Volume:	12.33	g
			Solids / Lipids:	94.8	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17183	
Project ID:	G341-588		Instrument:	hrms3	
Sample ID:	G341-588-2B		Filename:	c10jul09a-12	
Collection Date/Time:	06/30/09	10:33	Retchk:	c10jul09a-2	
Receipt Date:	07/02/09	10:00	Begin ConCal:	c10jul09a-11	
Extraction Date:	07/07/09				
Analysis Date/Time:	07/10/09	17:13	Initial Cal:	mcf-c042709a	

Analyzed by: _____
Date: 07/14/09

Reviewed by: _____
Date: 7-14-09

Method 1613

B1BS0092D001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
OCDD	30300	1.74	42.8	42:38	0.89	E
WHO-2005 TEQ (ND=0)	9.1					~
WHO-2005 TEQ (ND=½)	9.1					~

Client Information			**Sample Information**		
Project Name:	SSFL 232668		Report Basis:	Dry Weight	
			Matrix:	Soil	
Sample ID:	B1BS0092D001		Weight / Volume:	12.33	Grams
			Solids / Lipids:	94.8	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17183	
Project ID:	G341-588				
Sample ID:	G341-588-2C d5		Filename:	a09jul09a_5-8	
Collection Date/Time:	30-Jun-09	10:33	Retchk:	a09jul09a_4-14	
Receipt Date:	02-Jul-09	10:00	Begin ConCal:	a09jul09a_4-14	
Extraction Date:	07-Jul-09				
Analysis Date:	11-Jul-09	15:05	Initial Cal:	m1613-100708a	

Method 1613

B1BS0092D001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-OCDD	4.00	4.43	111	42:37	0.91	
Injection Standards						
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.24	

Client Information

Project Name:	SSFL 232668
Sample ID:	B1BS0092D001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-2C d5	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	11-Jul-09	15:05

Analyzed by: DS

Date: 7-15-09

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.33	Grams
Solids / Lipids:	94.8	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_5-8	
Retchk:	a09jul09a_4-14	
Begin ConCal:	a09jul09a_4-14	
Initial Cal:	m1613-100708a	

Reviewed by: TM

Date: 7-15-09

Form Version:[1613_edl]Report

Method 1613

B1BS0092S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.340	0.833			EMPC
1,2,3,7,8-PeCDD	1.62	0.132	4.16	33:17	1.51	A
1,2,3,4,7,8-HxCDD	3.54	0.277	4.16	35:41	1.16	A
1,2,3,6,7,8-HxCDD	28.6	0.295	4.16	35:46	1.28	
1,2,3,7,8,9-HxCDD	9.58	0.289	4.16	36:00	1.22	
1,2,3,4,6,7,8-HpCDD	988	1.24	4.16	38:47	1.04	
OCDD	20000	0.258	8.33	42:38	0.91	E S
2,3,7,8-TCDF	0.675	0.189	0.833	28:44	0.83	A
1,2,3,7,8-PeCDF	1.36	0.0883	4.16	32:32	1.48	A
2,3,4,7,8-PeCDF	2.18	0.0969	4.16	33:06	1.52	A
1,2,3,4,7,8-HxCDF	4.44	0.388	4.16	35:02	1.21	
1,2,3,6,7,8-HxCDF	1.84	0.396	4.16	35:08	1.21	A
2,3,4,6,7,8-HxCDF	3.36	0.400	4.16	35:35	1.21	A
1,2,3,7,8,9-HxCDF	2.75	0.444	4.16	36:17	1.12	A
1,2,3,4,6,7,8-HpCDF	66.9	0.112	4.16	37:39	1.04	
1,2,3,4,7,8,9-HpCDF	2.21	0.158	4.16	39:22	1.07	A
OCDF	78.8	0.211	8.33	42:52	0.89	
Total TCDDs	3.08	0.236	0.833			
Total PeCDDs	19.0	0.132	4.16			
Total HxCDDs	271	0.287	4.16			
Total HpCDDs	6010	1.24	4.16			
Total TCDFs	3.73	0.189	0.833			
Total PeCDFs	23.1	0.0926	4.16			
Total HxCDFs	154	0.406	4.16			
Total HpCDFs	220	0.132	4.16			
WHO-2005 TEQ (ND=0)	24.4					
WHO-2005 TEQ (ND=½)	24.7					

Client Information

Project Name:	SSFL 232668		
Sample ID:	B1BS0092S001		

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-3B	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	9-Jul-09	1:26

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.23	Grams
Solids / Lipids:	98.2	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-13	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Method 1613

B1BS0092S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.72	85.9	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.92	96.2	33:17	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.81	90.6	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.87	93.4	35:45	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.96	98.2	38:46	1.06	
$^{13}C_{12}$-OCDD	4.00	5.14	129	42:38	0.91	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.69	84.4	28:43	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.97	98.4	32:32	1.60	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.92	95.9	33:06	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.87	93.6	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.77	88.3	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.81	90.4	35:34	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	2.04	102	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.76	88.0	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.83	91.5	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.362	90.5	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.25	

Client Information

Project Name:	SSFL 232668	
Sample ID:	B1BS0092S001	

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-3B	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	09-Jul-09	1:26

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.23	Grams
Solids / Lipids:	98.2	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-13	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: TM
Date: 7-15-09

Form Version:[1613_edl]Report

TCDF Confirmation - Method 1613

B1BS0092S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	Adj. EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDF	0.609	0.147	0.833	20.01	0.66	A

Labeled Standard	Spiked Amount (ng)	RT (min.)	Ratio	Qualifier
Extraction Standards				
13C12-2,3,7,8-TCDF	2	20.00	0.75	

Client Information			**Sample Information**		
Project Name:	SSFL 232668		Report Basis:	Dry	
			Matrix:	Soil	
Sample ID:	B1BS0092S001		Weight / Volume:	12.23	g
			Solids / Lipids:	98.2	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17183	
Project ID:	G341-588		Instrument:	hrms3	
Sample ID:	G341-588-3B		Filename:	c10jul09a-13	
Collection Date/Time:	06/30/09	10:33	Retchk:	c10jul09a-2	
Receipt Date:	07/02/09	10:00	Begin ConCal:	c10jul09a-11	
Extraction Date:	07/07/09				
Analysis Date/Time:	07/10/09	17:38	Initial Cal:	mcf-c042709a	

Analyzed by: _____
Date: 07/14/09

Reviewed by: _____
Date: 7-14-09

Method 1613

B1BS0092S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
OCDD	20400	1.56	41.6	42:38	0.89	E
WHO-2005 TEQ (ND=0)	7.75					~
WHO-2005 TEQ (ND=½)	6.12					~

Client Information

Project Name:	SSFL 232668
Sample ID:	B1BS0092S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-3C d5	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	11-Jul-09	15:53

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.23	Grams
Solids / Lipids:	98.2	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_5-9	
Retchk:	a09jul09a_4-14	
Begin ConCal:	a09jul09a_4-14	
Initial Cal:	m1613-100708a	

Method 1613

B1BS0092S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-OCDD	4.00	4.62	116	42:37	0.90	
Injection Standards						
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.27	

Client Information

Project Name:	SSFL 232668
Sample ID:	B1BS0092S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-3C d5	
Collection Date/Time:	30-Jun-09	10:33
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	11-Jul-09	15:53

Analyzed by: DS

Date: 7-15-09

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.23	Grams
Solids / Lipids:	98.2	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_5-9	
Retchk:	a09jul09a_4-14	
Begin ConCal:	a09jul09a_4-14	
Initial Cal:	m1613-100708a	

Reviewed by: CM

Date: 7.15.09

Form Version:[G341-588-3C d5]Report

Method 1613

B1BS0093S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.307	0.847			
1,2,3,7,8-PeCDD	ND	0.157	4.23			
1,2,3,4,7,8-HxCDD	ND	0.193	4.23			
1,2,3,6,7,8-HxCDD	0.837	0.198	4.23	35:46	1.2	A
1,2,3,7,8,9-HxCDD	0.898	0.197	4.23	36:00	1.20	A
1,2,3,4,6,7,8-HpCDD	7.05	0.324	4.23	38:47	1.04	
OCDD	97.3	0.504	8.47	42:39	0.91	
2,3,7,8-TCDF	ND	0.335	0.847			EMPC
1,2,3,7,8-PeCDF	ND	0.122	4.23			EMPC
2,3,4,7,8-PeCDF	0.256	0.107	4.23	33:07	1.77	A
1,2,3,4,7,8-HxCDF	ND	0.157	4.23			EMPC
1,2,3,6,7,8-HxCDF	0.190	0.129	4.23	35:07	1.34	A
2,3,4,6,7,8-HxCDF	0.161	0.134	4.23	35:35	1.24	A
1,2,3,7,8,9-HxCDF	ND	0.218	4.23			EMPC
1,2,3,4,6,7,8-HpCDF	0.935	0.170	4.23	37:40	1.19	A
1,2,3,4,7,8,9-HpCDF	ND	0.256	4.23			
OCDF	2.15	0.421	8.47	42:54	0.93	A
Total TCDDs	ND	0.307	0.847			
Total PeCDDs	ND	0.157	4.23			
Total HxCDDs	3.55	0.196	4.23			A
Total HpCDDs	31.7	0.324	4.23			
Total TCDFs	0.721	0.224	0.847			A
Total PeCDFs	1.88	0.112	4.23			A
Total HxCDFs	2.00	0.137	4.23			A
Total HpCDFs	2.40	0.208	4.23			A
WHO-2005 TEQ (ND=0)	0.395					
WHO-2005 TEQ (ND=½)	0.956					

Client Information

Project Name:	SSFL 232668		
Sample ID:	B1BS0093S001		

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-4B	
Collection Date/Time:	30-Jun-09	11:23
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	9-Jul-09	2:14

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.04	Grams
Solids / Lipids:	98.1	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-14	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Method 1613

B1BS0093S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.40	69.8	29:39	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.64	82.2	33:17	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.64	82.2	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.57	78.6	35:46	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.54	76.8	38:47	1.04	
$^{13}C_{12}$-OCDD	4.00	3.23	80.7	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.44	72.2	28:44	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.62	81.0	32:31	1.57	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.63	81.6	33:06	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.54	76.9	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.55	77.4	35:07	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.58	79.2	35:35	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.65	82.6	36:16	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.48	74.2	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.47	73.3	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.302	75.5	29:41	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.79	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.25	

Client Information

Project Name:	SSFL 232668
Sample ID:	B1BS0093S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-4B	
Collection Date/Time:	30-Jun-09	11:23
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	09-Jul-09	2:14

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.04	Grams
Solids / Lipids:	98.1	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a08jul09b-14	
Retchk:	a08jul09b-1	
Begin ConCal:	a08jul09b-1	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: YM 7-15-09
Date: 7-14-09

Form Version:[1613_edl]Report

Method 1613

HZBS0127S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.314	0.842			
1,2,3,7,8-PeCDD	1.52	0.139	4.21	33:17	1.53	A
1,2,3,4,7,8-HxCDD	2.92	0.166	4.21	35:42	1.29	A
1,2,3,6,7,8-HxCDD	14.7	0.161	4.21	35:47	1.25	
1,2,3,7,8,9-HxCDD	5.53	0.165	4.21	36:01	1.25	
1,2,3,4,6,7,8-HpCDD	381	0.399	4.21	38:48	1.04	
OCDD	3800	0.286	8.42	42:39	0.89	E
2,3,7,8-TCDF	0.670	0.117	0.842	28:44	0.87	A
1,2,3,7,8-PeCDF	0.851	0.195	4.21	32:32	1.52	A
2,3,4,7,8-PeCDF	1.53	0.216	4.21	33:07	1.55	A
1,2,3,4,7,8-HxCDF	2.52	0.253	4.21	35:03	1.21	A
1,2,3,6,7,8-HxCDF	1.55	0.269	4.21	35:08	1.07	A
2,3,4,6,7,8-HxCDF	2.36	0.311	4.21	35:36	1.20	A
1,2,3,7,8,9-HxCDF	1.42	0.315	4.21	36:17	1.15	A
1,2,3,4,6,7,8-HpCDF	44.3	0.116	4.21	37:40	1.05	
1,2,3,4,7,8,9-HpCDF	2.34	0.170	4.21	39:23	1.02	A
OCDF	150	0.275	8.42	42:53	0.89	
Total TCDDs	4.13	0.314	0.842			
Total PeCDDs	12.1	0.139	4.21			Q
Total HxCDDs	96.3	0.164	4.21			Q
Total HpCDDs	1450	0.399	4.21			
Total TCDFs	8.21	0.117	0.842			
Total PeCDFs	15.4	0.206	4.21			Q
Total HxCDFs	62.8	0.286	4.21			Q
Total HpCDFs	144	0.140	4.21			
WHO-2005 TEQ (ND=0)	10.6					
WHO-2005 TEQ (ND=½)	10.9					

Client Information			**Sample Information**		
Project Name:	SSFL 232668		Report Basis:	Dry Weight	
			Matrix:	Soil	
Sample ID:	HZBS0127S001		Weight / Volume:	12.05	Grams
			Solids / Lipids:	98.6	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17183	
Project ID:	G341-588				
Sample ID:	G341-588-7B		Filename:	a09jul09a_3-3	
Collection Date/Time:	30-Jun-09	09:20	Retchk:	a09jul09a_2-6	
Receipt Date:	02-Jul-09	10:00	Begin ConCal:	a09jul09a_2-6	
Extraction Date:	07-Jul-09				
Analysis Date:	10-Jul-09	12:21	Initial Cal:	m1613-100708a	

Method 1613

HZBS0127S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.69	84.3	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.92	96.2	33:17	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.94	97.1	35:42	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.70	85.2	35:47	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.74	87.1	38:46	1.05	
$^{13}C_{12}$-OCDD	4.00	3.73	93.3	42:38	0.89	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.62	81.1	28:43	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.91	95.5	32:32	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.93	96.3	33:06	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.82	91.2	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.76	88.0	35:08	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.74	87.0	35:35	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.88	94.0	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.63	81.6	37:39	0.44	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.70	85.1	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.379	94.8	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:60	1.26	

Client Information

Project Name: SSFL 232668

Sample ID: HZBS0127S001

Laboratory Information

Project ID: G341-588

Sample ID: G341-588-7B

Collection Date/Time: 30-Jun-09 09:20

Receipt Date: 02-Jul-09 10:00

Extraction Date: 07-Jul-09

Analysis Date: 10-Jul-09 12:21

Sample Information

Report Basis: Dry Weight

Matrix: Soil

Weight / Volume: 12.05 Grams

Solids / Lipids: 98.6 %

Original pH : NA

Batch ID: WG17183

Filename: a09jul09a_3-3

Retchk: a09jul09a_2-6

Begin ConCal: a09jul09a_2-6

Initial Cal: m1613-100708a

Analyzed by: DS

Date: 7-15-09

Reviewed by: TM

Date: 7-15-09

Form Version:[1613_edl]Report

TCDF Confirmation - Method 1613
HZBS0127S001
General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	Adj. EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDF	0.752	0.154	0.842	20.03	0.74	A

Labeled Standard	Spiked Amount (ng)	RT (min.)	Ratio	Qualifier
Extraction Standards				
13C12-2,3,7,8-TCDF	2	20.02	0.78	

Client Information			**Sample Information**		
Project Name:	SSFL 232668		Report Basis:	Dry	
			Matrix:	Soil	
Sample ID:	HZBS0127S001		Weight / Volume:	12.05	g
			Solids / Lipids:	98.6	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17183	
Project ID:	G341-588		Instrument:	hrms3	
Sample ID:	G341-588-7B		Filename:	c13jul09a-4	
Collection Date/Time:	06/30/09	9:20	Retchk:	c13jul09a-2	
Receipt Date:	07/02/09	10:00	Begin ConCal:	c13jul09a-1	
Extraction Date:	07/07/09				
Analysis Date/Time:	07/13/09	10:23	Initial Cal:	mcf-c042709a	

Analyzed by: _____
Date: 071409

Reviewed by: _____
Date: 7-14-09

Method 1613

HZBS0128S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.331	0.840			EMPC
1,2,3,7,8-PeCDD	1.88	0.256	4.20	33:17	1.67	A
1,2,3,4,7,8-HxCDD	2.38	0.190	4.20	35:42	1.25	A
1,2,3,6,7,8-HxCDD	6.48	0.193	4.20	35:47	1.24	
1,2,3,7,8,9-HxCDD	4.29	0.193	4.20	36:00	1.23	
1,2,3,4,6,7,8-HpCDD	165	0.238	4.20	38:48	1.04	
OCDD	2110	0.308	8.40	42:39	0.89	
2,3,7,8-TCDF	0.480	0.225	0.840	28:44	0.79	A
1,2,3,7,8-PeCDF	0.462	0.244	4.20	32:32	1.57	A
2,3,4,7,8-PeCDF	0.697	0.285	4.20	33:07	1.5	A
1,2,3,4,7,8-HxCDF	1.18	0.129	4.20	35:03	1.27	A
1,2,3,6,7,8-HxCDF	0.781	0.129	4.20	35:08	1.41	A
2,3,4,6,7,8-HxCDF	0.917	0.140	4.20	35:35	1.21	A
1,2,3,7,8,9-HxCDF	0.571	0.143	4.20	36:17	1.12	A
1,2,3,4,6,7,8-HpCDF	16.6	0.139	4.20	37:40	1.04	
1,2,3,4,7,8,9-HpCDF	0.857	0.213	4.20	39:22	1.04	A
OCDF	53.2	0.233	8.40	42:54	0.89	
Total TCDDs	4.05	0.195	0.840			
Total PeCDDs	13.0	0.256	4.20			
Total HxCDDs	60.0	0.192	4.20			
Total HpCDDs	677	0.238	4.20			
Total TCDFs	4.92	0.225	0.840			
Total PeCDFs	7.61	0.264	4.20			
Total HxCDFs	23.6	0.135	4.20			
Total HpCDFs	49.7	0.171	4.20			
WHO-2005 TEQ (ND=0)	6.28					
WHO-2005 TEQ (ND=½)	6.62					

Client Information

Project Name:	SSFL 232668
Sample ID:	HZBS0128S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-8B	
Collection Date/Time:	30-Jun-09	09:45
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	10-Jul-09	13:09

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.21	Grams
Solids / Lipids:	97.5	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_3-4	
Retchk:	a09jul09a_2-6	
Begin ConCal:	a09jul09a_2-6	
Initial Cal:	m1613-100708a	

Method 1613

HZBS0128S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.84	92.2	29:39	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.01	101	33:17	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.91	95.4	35:41	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.85	92.4	35:46	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.86	92.9	38:46	1.06	
$^{13}C_{12}$-OCDD	4.00	3.98	99.5	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.78	89.0	28:43	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.02	101	32:32	1.57	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.98	98.9	33:06	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.88	94.1	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.81	90.7	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.85	92.3	35:35	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	2.05	103	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.76	88.1	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.78	89.0	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.427	107	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.26	

Client Information

Project Name:	SSFL 232668
Sample ID:	HZBS0128S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-8B	
Collection Date/Time:	30-Jun-09	09:45
Receipt Date:	02-Jul-09	10:00
Extraction Date:	07-Jul-09	
Analysis Date:	10-Jul-09	13:09

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.21	Grams
Solids / Lipids:	97.5	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_3-4	
Retchk:	a09jul09a_2-6	
Begin ConCal:	a09jul09a_2-6	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: TM
Date: 7-15-09

Form Version:[1613_edl]Report

Method 1613

FBQW2234

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	Adj. RL (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.00198	0.0101			
1,2,3,7,8-PeCDD	ND	0.00121	0.0505			
1,2,3,4,7,8-HxCDD	ND	0.00125	0.0505			
1,2,3,6,7,8-HxCDD	ND	0.00126	0.0505			
1,2,3,7,8,9-HxCDD	ND	0.00127	0.0505			
1,2,3,4,6,7,8-HpCDD	ND	0.00284	0.0505			
OCDD	ND	0.00481	0.101			
2,3,7,8-TCDF	ND	0.00147	0.0101			
1,2,3,7,8-PeCDF	ND	0.000794	0.0505			
2,3,4,7,8-PeCDF	ND	0.000768	0.0505			
1,2,3,4,7,8-HxCDF	ND	0.000994	0.0505			
1,2,3,6,7,8-HxCDF	ND	0.000994	0.0505			
2,3,4,6,7,8-HxCDF	ND	0.00104	0.0505			
1,2,3,7,8,9-HxCDF	ND	0.00139	0.0505			
1,2,3,4,6,7,8-HpCDF	ND	0.00152	0.0505			
1,2,3,4,7,8,9-HpCDF	ND	0.00252	0.0505			
OCDF	ND	0.00425	0.101			
Total TCDDs	ND	0.00198	0.0101			
Total PeCDDs	ND	0.00121	0.0505			
Total HxCDDs	ND	0.00126	0.0505			
Total HpCDDs	ND	0.00284	0.0505			
Total TCDFs	ND	0.00147	0.0101			
Total PeCDFs	ND	0.000628	0.0505			
Total HxCDFs	ND	0.00110	0.0505			
Total HpCDFs	ND	0.00195	0.0505			
WHO-2005 TEQ (ND=0)	0.000					
WHO-2005 TEQ (ND=½)	0.00448					

Client Information

Project Name:	SSFL 232668
Sample ID:	FBQW2234

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-11B	
Collection Date/Time:	30-Jun-09	12:30
Receipt Date:	02-Jul-09	10:00
Extraction Date:	08-Jul-09	
Analysis Date:	11-Jul-09	4:32

Sample Information

Matrix:	Water	
Weight / Volume:	990	mL
Solids / Lipids:	NA	%
Original pH :	8	
Batch ID:	WG17186	
Filename:	a09jul09a_4-9	
Retchk:	a09jul09a_3-14	
Begin ConCal:	a09jul09a_3-14	
Initial Cal:	m1613-100708a	

Method 1613

FBQW2234

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.78	88.8	29:39	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.94	97.0	33:17	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.84	91.8	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.82	90.9	35:46	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.71	85.6	38:47	1.06	
$^{13}C_{12}$-OCDD	4.00	3.32	82.9	42:38	0.89	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.77	88.3	28:44	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.91	95.3	32:31	1.59	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.93	96.3	33:06	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.73	86.7	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.82	90.8	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.79	89.5	35:35	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.85	92.7	36:16	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.69	84.6	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.65	82.4	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.432	108	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			36:00	1.25	

Client Information

Project Name: SSFL 232668

Sample ID: FBQW2234

Laboratory Information

Project ID: G341-588
Sample ID: G341-588-11B
Collection Date/Time: 30-Jun-09 12:30
Receipt Date: 02-Jul-09 10:00
Extraction Date: 08-Jul-09
Analysis Date: 11-Jul-09 4:32

Sample Information

Matrix: Water
Weight / Volume: 990 mL
Solids / Lipids: NA %
Original pH : 8
Batch ID: WG17186

Filename: a09jul09a_4-9
Retchk: a09jul09a_3-14
Begin ConCal: a09jul09a_3-14

Initial Cal: m1613-100708a

Analyzed by: DS
Date: 7-15-09

Reviewed by: DM
Date: 7-15-09

Form Version:[1613_edl]Report

Method 1613

EBQW2219

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	Adj. RL (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.00230	0.00954			
1,2,3,7,8-PeCDD	ND	0.00119	0.0477			
1,2,3,4,7,8-HxCDD	ND	0.00164	0.0477			
1,2,3,6,7,8-HxCDD	ND	0.00163	0.0477			
1,2,3,7,8,9-HxCDD	ND	0.00165	0.0477			
1,2,3,4,6,7,8-HpCDD	ND	0.00299	0.0477			
OCDD	ND	0.00528	0.0954			
2,3,7,8-TCDF	ND	0.00135	0.00954			
1,2,3,7,8-PeCDF	ND	0.000851	0.0477			
2,3,4,7,8-PeCDF	ND	0.000781	0.0477			
1,2,3,4,7,8-HxCDF	ND	0.00105	0.0477			
1,2,3,6,7,8-HxCDF	ND	0.00108	0.0477			
2,3,4,6,7,8-HxCDF	ND	0.00110	0.0477			
1,2,3,7,8,9-HxCDF	ND	0.00155	0.0477			
1,2,3,4,6,7,8-HpCDF	ND	0.00164	0.0477			
1,2,3,4,7,8,9-HpCDF	ND	0.00254	0.0477			
OCDF	ND	0.00502	0.0954			
Total TCDDs	ND	0.00230	0.00954			
Total PeCDDs	ND	0.00119	0.0477			
Total HxCDDs	ND	0.00164	0.0477			
Total HpCDDs	ND	0.00299	0.0477			
Total TCDFs	ND	0.00135	0.00954			
Total PeCDFs	ND	0.000700	0.0477			
Total HxCDFs	ND	0.00118	0.0477			
Total HpCDFs	ND	0.00203	0.0477			
WHO-2005 TEQ (ND=0)	0.000					
WHO-2005 TEQ (ND=½)	0.00493					

Client Information

Project Name:	SSFL 232668
Sample ID:	EBQW2219

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-12B	
Collection Date/Time:	30-Jun-09	12:40
Receipt Date:	02-Jul-09	10:00
Extraction Date:	08-Jul-09	
Analysis Date:	11-Jul-09	5:20

Sample Information

Matrix:	Water	
Weight / Volume:	1048	mL
Solids / Lipids:	NA	%
Original pH :	8	
Batch ID:	WG17186	
Filename:	a09jul09a_4-10	
Retchk:	a09jul09a_3-14	
Begin ConCal:	a09jul09a_3-14	
Initial Cal:	m1613-100708a	

Method 1613

EBQW2219

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.87	93.7	29:39	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.96	97.8	33:17	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.92	96.2	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.85	92.5	35:46	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.71	85.4	38:47	1.06	
$^{13}C_{12}$-OCDD	4.00	3.22	80.4	42:39	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.89	94.4	28:43	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.96	98.1	32:31	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.99	99.6	33:06	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.81	90.6	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.84	92.2	35:07	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.87	93.3	35:35	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.88	93.8	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.69	84.4	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.66	83.0	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.461	115	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.79	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			36:00	1.25	

Client Information

Project Name: SSFL 232668

Sample ID: EBQW2219

Laboratory Information

Project ID: G341-588
Sample ID: G341-588-12B
Collection Date/Time: 30-Jun-09 12:40
Receipt Date: 02-Jul-09 10:00
Extraction Date: 08-Jul-09
Analysis Date: 11-Jul-09 5:20

Analyzed by: DS
Date: 7-15-09

Sample Information

Matrix: Water
Weight / Volume: 1048 mL
Solids / Lipids: NA %
Original pH : 8
Batch ID: WG17186

Filename: a09jul09a_4-10
Retchk: a09jul09a_3-14
Begin ConCal: a09jul09a_3-14

Initial Cal: m1613-100708a

Reviewed by: TM
Date: 7-15-09

Form Version:[1613_edl]Report

Method 1613

HZBS0109S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.219	0.872			
1,2,3,7,8-PeCDD	0.279	0.0956	4.36	33:17	1.42	A
1,2,3,4,7,8-HxCDD	0.417	0.163	4.36	35:42	1.18	A
1,2,3,6,7,8-HxCDD	1.17	0.167	4.36	35:46	1.23	A
1,2,3,7,8,9-HxCDD	0.921	0.166	4.36	36:00	1.36	A
1,2,3,4,6,7,8-HpCDD	21.9	0.252	4.36	38:48	1.02	
OCDD	345	0.353	8.72	42:39	0.89	
2,3,7,8-TCDF	0.272	0.146	0.872	28:45	0.76	A
1,2,3,7,8-PeCDF	ND	0.0949	4.36			
2,3,4,7,8-PeCDF	ND	0.145	4.36			EMPC
1,2,3,4,7,8-HxCDF	0.187	0.129	4.36	35:02	1.37	A
1,2,3,6,7,8-HxCDF	0.148	0.125	4.36	35:08	1.41	A
2,3,4,6,7,8-HxCDF	0.152	0.129	4.36	35:35	1.08	A
1,2,3,7,8,9-HxCDF	0.213	0.149	4.36	36:17	1.25	A
1,2,3,4,6,7,8-HpCDF	2.05	0.126	4.36	37:40	1.12	A
1,2,3,4,7,8,9-HpCDF	ND	0.193	4.36			
OCDF	5.47	0.315	8.72	42:53	0.85	A
Total TCDDs	ND	0.219	0.872			
Total PeCDDs	0.583	0.201	4.36			A
Total HxCDDs	7.13	0.165	4.36			
Total HpCDDs	83.2	0.252	4.36			
Total TCDFs	0.871	0.146	0.872			A
Total PeCDFs	0.616	0.100	4.36			A
Total HxCDFs	3.24	0.132	4.36			A
Total HpCDFs	5.37	0.156	4.36			
WHO-2005 TEQ (ND=0)	0.972					
WHO-2005 TEQ (ND=½)	1.24					

Client Information

Project Name:	SSFL 232668
Sample ID:	HZBS0109S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-13B	
Collection Date/Time:	01-Jun-09	08:09
Receipt Date:	03-Jun-09	10:05
Extraction Date:	07-Jul-09	
Analysis Date:	10-Jul-09	15:34

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.00	Grams
Solids / Lipids:	95.5	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_3-7	
Retchk:	a09jul09a_2-6	
Begin ConCal:	a09jul09a_2-6	
Initial Cal:	m1613-100708a	

Method 1613

HZBS0109S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.57	78.3	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.82	90.9	33:17	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.72	86.0	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.84	91.9	35:45	1.25	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.73	86.3	38:46	1.06	
$^{13}C_{12}$-OCDD	4.00	3.56	88.9	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.59	79.5	28:43	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.74	86.8	32:32	1.57	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.76	87.9	33:06	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.73	86.7	35:02	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.71	85.5	35:07	0.52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.70	85.2	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.78	88.8	36:16	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.62	81.1	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.65	82.3	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.362	90.5	29:40	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.79	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.25	

Client Information

Project Name:	SSFL 232668
Sample ID:	HZBS0109S001

Laboratory Information

Project ID:	G341-588	
Sample ID:	G341-588-13B	
Collection Date/Time:	01-Jun-09	08:09
Receipt Date:	03-Jun-09	10:05
Extraction Date:	07-Jul-09	
Analysis Date:	10-Jul-09	15:34

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.00	Grams
Solids / Lipids:	95.5	%
Original pH :	NA	
Batch ID:	WG17183	
Filename:	a09jul09a_3-7	
Retchk:	a09jul09a_2-6	
Begin ConCal:	a09jul09a_2-6	
Initial Cal:	m1613-100708a	

Analyzed by: DS
Date: 7-15-09

Reviewed by: TM
Date: 7.15.09

Form Version:[1613_edl]Report

GEL Laboratories LLC
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Marhc 1, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 233444
SDG: 233444

Dear Ms. Schultz,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 15, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.054521
Chain of Custody: MWHMM20090714_00 and MWHSV20090714_00
Enclosures

GC
SEMIVOLATILE
DRO
ANALYSIS

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	233444	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	233444015	**Date Collected:**	07/14/2009 12:29	**Matrix:**	Soil
		Date Received:	07/15/2009 09:00	**%Moisture:**	8.3
Client ID:	B1BS0081AS001			**Prep Basis:**	Dry Weight
Batch ID:	885575	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	07/17/2009 12:55	**Analyst:**	KXR2	**Instrument:**	FID7.I
Data File:	007f0701.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	885574	**Prep Method:**	SW846 3550B	**Prep SOP Ref:**	GL-OA-E-010
Prep Date:	07/16/2009 10:00	**Aliquot:**	30.14 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 – C1	EFH (>C11 – C14)	U	3.62	mg/kg	1.19	3.62	5.00
EFH (>C14 – C2	EFH (>C14 – C20)	U	3.62	mg/kg	1.19	3.62	5.00
EFH (>C20 – C3	EFH (>C20 – C30)		13.6	mg/kg	1.19	3.62	5.00
EFH (C8 – C11)	EFH (C8 – C11)	U	3.62	mg/kg	1.19	3.62	5.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5–alpha–Androstane	1.26	1.81	mg/kg	69.6	(34%–108%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	233444	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	233444016	**Date Collected:**	07/14/2009 13:16	**Matrix:**	Water
		Date Received:	07/15/2009 09:00		
Client ID:	EBQW2220			**Prep Basis:**	As Received
Batch ID:	886261	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	07/21/2009 18:33	**Analyst:**	KXR2	**Instrument:**	FID5.I
Data File:	014f1401.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	886260	**Prep Method:**	SW846 3510C	**Prep SOP Ref:**	GL-OA-E-013
Prep Date:	07/20/2009 13:05	**Aliquot:**	1050 mL	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 – C1	EFH (>C11 – C14)	U	95.2	ug/L	31.4	95.2	100
EFH (>C14 – C2	EFH (>C14 – C20)	U	95.2	ug/L	31.4	95.2	100
EFH (>C20 – C3	EFH (>C20 – C30)	U	95.2	ug/L	31.4	95.2	100
EFH (C8 – C11)	EFH (C8 – C11)	U	95.2	ug/L	31.4	95.2	100

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	32.0	47.6	ug/L	67.2	(35%-103%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Flame Ionization Detector
Certificate of Analysis
Sample Summary

SDG Number:	233444	**Client:**	SSFL001	**Project:**	SSFL00149
Lab Sample ID:	233444019	**Date Collected:**	07/14/2009 13:20	**Matrix:**	Water
		Date Received:	07/15/2009 09:00		
Client ID:	FBQW2235			**Prep Basis:**	As Received
Batch ID:	886261	**Method:**	SW846 8015B EFH	**SOP Ref:**	GL-OA-E-003
Run Date:	07/21/2009 19:12	**Analyst:**	KXR2	**Instrument:**	FID5.I
Data File:	015f1501.d	**Inj. Vol:**	1 uL	**Dilution:**	1
Prep Batch:	886260	**Prep Method:**	SW846 3510C	**Prep SOP Ref:**	GL-OA-E-013
Prep Date:	07/20/2009 13:05	**Aliquot:**	1050 mL	**Final Volume:**	1 mL

CAS No.	Parmname	Qual	Result	Units	MDL/LOD	PQL/LOQ	RDL
EFH (>C11 - C1	EFH (>C11 - C14)	U	95.2	ug/L	31.4	95.2	100
EFH (>C14 - C2	EFH (>C14 - C20)	U	95.2	ug/L	31.4	95.2	100
EFH (>C20 - C3	EFH (>C20 - C30)	U	95.2	ug/L	31.4	95.2	100
EFH (C8 - C11)	EFH (C8 - C11)	U	95.2	ug/L	31.4	95.2	100

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
5-alpha-Androstane	28.2	47.6	ug/L	59.3	(35%-103%)

Comments:

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Metals Analysis

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444004 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: ENBS0094S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	52.2	mg/kg	EN	0.0986	0.395	0.4	2	MS	BAJ	07/20/09 22:37	090720−4	885620

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885620	885619	SW846 3050B	0.514	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444005 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: ENBS0095S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.9

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	24	mg/kg	EN	0.101	0.403	0.4	2	MS	BAJ	07/20/09 23:20	090720−4	885620

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885620	885619	SW846 3050B	0.501	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444006 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: ENBS0096S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.3

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	39.6	mg/kg	EN	0.0995	0.398	0.4	2	MS	BAJ	07/20/09 23:26	090720−4	885620

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885620	885619	SW846 3050B	0.511	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444007 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0129S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.8

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	10.1	mg/kg	EN	0.1	0.401	0.4	2	MS	SKJ	07/17/09 17:38	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.51	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444008 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0131S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.9

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	39.3	mg/kg	EN	0.0984	0.394	0.4	2	MS	SKJ	07/17/09 17:44	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.514	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444009 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0133S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.7

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	40.7	mg/kg	EN	0.1	0.401	0.4	2	MS	SKJ	07/17/09 17:51	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.505	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444010 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0135S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	12.8	mg/kg	EN	0.1	0.4	0.4	2	MS	SKJ	07/17/09 18:09	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.51	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444011 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0137S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	15.7	mg/kg	EN	0.0975	0.39	0.4	2	MS	SKJ	07/17/09 18:40	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.52	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444012 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0139S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.8

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	19.9	mg/kg	EN	0.0983	0.393	0.4	2	MS	SKJ	07/17/09 18:59	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.515	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444013 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0141S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 96.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	21.1	mg/kg	EN	0.102	0.408	0.4	2	MS	SKJ	07/17/09 19:05	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.51	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444014 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0143S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.5

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	33.9	mg/kg	EN	0.1	0.4	0.4	2	MS	SKJ	07/17/09 19:11	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.508	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444016 **BASIS:** As Received **DATE COLLECTED** 14−JUL−09

CLIENT ID: EBQW2220 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: WATER **%SOLIDS:** 0

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	1.6	ug/L	U	1.6	5	5	1	MS	BAJ	07/24/09 19:57	090724−5	885613
7440−43−9	Cadmium	0.110	ug/L	U	0.11	1	1	1	MS	BAJ	07/24/09 19:57	090724−5	885613
7440−50−8	Copper	0.330	ug/L	U	0.33	1	1	1	MS	BAJ	07/24/09 19:57	090724−5	885613
7439−92−1	Lead	0.50	ug/L	U	0.5	2	2	1	MS	BAJ	07/24/09 19:57	090724−5	885613
7440−66−6	Zinc	3.44	ug/L	J	3	10	10	1	MS	BAJ	07/24/09 19:57	090724−5	885613

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885613	885612	SW846 3005A	50	mL	50	mL	07/17/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444017 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: LFBS0245S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.9

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	9.07	mg/kg		0.204	1.02	0.5	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−39−3	Barium	76.7	mg/kg		0.102	0.408	0.5	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−43−9	Cadmium	0.221	mg/kg		0.0204	0.204	0.2	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−47−3	Chromium	22.8	mg/kg		1.02	3.06	1	10	MS	BAJ	07/21/09 00:52	090720−4	885620
7440−48−4	Cobalt	7.79	mg/kg		0.306	1.02	0.5	10	MS	BAJ	07/21/09 00:52	090720−4	885620
7440−50−8	Copper	14.9	mg/kg	E	0.337	1.02	0.2	10	MS	BAJ	07/21/09 00:52	090720−4	885620
7439−92−1	Lead	21.8	mg/kg	EN	0.102	0.408	0.4	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7439−98−7	Molybdenum	0.579	mg/kg		0.0613	0.204	0.1	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−02−0	Nickel	14.5	mg/kg		0.511	2.04	0.4	10	MS	BAJ	07/21/09 00:52	090720−4	885620
7782−49−2	Selenium	0.511	mg/kg	U	0.511	1.02	1	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−22−4	Silver	0.0517	mg/kg	J	0.0408	0.204	0.2	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−28−0	Thallium	0.386	mg/kg		0.0613	0.204	0.2	2	MS	BAJ	07/20/09 23:33	090720−4	885620
7440−62−2	Vanadium	36.5	mg/kg		2.04	10.2	1	10	MS	BAJ	07/21/09 00:52	090720−4	885620
7440−66−6	Zinc	110	mg/kg		0.408	2.04	5	2	MS	BAJ	07/20/09 23:33	090720−4	885620

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885620	885619	SW846 3050B	0.5	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444018 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: LFBS0246S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 84

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	4.97	mg/kg		0.233	1.16	0.5	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−39−3	Barium	89	mg/kg		0.116	0.465	0.5	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−41−7	Beryllium	0.458	mg/kg		0.0233	0.116	0.3	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−43−9	Cadmium	0.651	mg/kg		0.0233	0.233	0.2	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−47−3	Chromium	16.3	mg/kg		0.233	0.698	1	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−48−4	Cobalt	9.72	mg/kg		0.0698	0.233	0.5	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−50−8	Copper	10.3	mg/kg	E	0.0767	0.233	0.2	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7439−92−1	Lead	54.2	mg/kg	EN	0.116	0.465	0.4	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7439−98−7	Molybdenum	0.498	mg/kg		0.0698	0.233	0.1	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−02−0	Nickel	13.7	mg/kg		0.116	0.465	0.4	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7782−49−2	Selenium	0.581	mg/kg	U	0.581	1.16	1	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−22−4	Silver	0.0514	mg/kg	J	0.0465	0.233	0.2	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−28−0	Thallium	0.337	mg/kg		0.0698	0.233	0.2	2	MS	BAJ	07/20/09 23:39	090720−4	885620
7440−66−6	Zinc	220	mg/kg		0.465	2.33	5	2	MS	BAJ	07/20/09 23:39	090720−4	885620

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885620	885619	SW846 3050B	0.51	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444019 **BASIS:** As Received **DATE COLLECTED** 14−JUL−09

CLIENT ID: FBQW2235 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: WATER **%SOLIDS:** 0

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	1.6	ug/L	U	1.6	5	5	1	MS	PRB	07/17/09 19:36	090717−3	885623
7440−43−9	Cadmium	0.110	ug/L	U	0.11	1	1	1	MS	PRB	07/17/09 19:36	090717−3	885623
7440−50−8	Copper	0.330	ug/L	U	0.33	1	1	1	MS	PRB	07/17/09 19:36	090717−3	885623
7439−92−1	Lead	0.50	ug/L	U	0.5	2	2	1	MS	PRB	07/17/09 19:36	090717−3	885623
7440−66−6	Zinc	3	ug/L	U	3	10	10	1	MS	PRB	07/17/09 19:36	090717−3	885623

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885623	885622	SW846 3005A	50	mL	50	mL	07/17/09	AXG2

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444020 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0130S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.4

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	9.12	mg/kg	EN	0.101	0.405	0.4	2	MS	SKJ	07/17/09 19:18	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.507	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444021 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0132S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	33.7	mg/kg	EN	0.0984	0.393	0.4	2	MS	SKJ	07/17/09 19:24	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.521	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444022 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0134S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.2

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	48.6	mg/kg	EN	0.0997	0.399	0.4	2	MS	SKJ	07/17/09 19:30	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.516	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444023 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0136S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.3

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	12	mg/kg	EN	0.0973	0.389	0.4	2	MS	SKJ	07/17/09 19:49	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.523	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444024 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0138S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 97.7

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	51.4	mg/kg	EN	0.102	0.406	0.4	2	MS	SKJ	07/17/09 19:55	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.504	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444025 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0140S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.9

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	16.5	mg/kg	EN	0.0983	0.393	0.4	2	MS	SKJ	07/17/09 20:01	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.514	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444026 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0142S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 99.37

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	18	mg/kg	EN	0.0992	0.397	0.4	2	MS	SKJ	07/17/09 20:07	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.507	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444027 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0144S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 94.6

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	7.89	mg/kg		0.202	1.01	0.5	2	MS	SKJ	07/17/09 20:14	090717−1	885617
7440−43−9	Cadmium	0.172	mg/kg	J	0.0202	0.202	0.2	2	MS	SKJ	07/17/09 20:14	090717−1	885617
7440−50−8	Copper	16	mg/kg	E	0.333	1.01	0.2	10	MS	SKJ	07/20/09 16:55	090720−2	885617
7439−92−1	Lead	9.2	mg/kg	EN	0.101	0.404	0.4	2	MS	SKJ	07/17/09 20:14	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.523	g	50	mL	07/16/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233444 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233444028 **BASIS:** Dry Weight **DATE COLLECTED** 14−JUL−09

CLIENT ID: HZBS0145S001 **LEVEL:** Low **DATE RECEIVED** 15−JUL−09

MATRIX: SOIL **%SOLIDS:** 98.7

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−43−9	Cadmium	0.492	mg/kg		0.0201	0.201	0.2	2	MS	SKJ	07/17/09 20:20	090717−1	885617
7439−92−1	Lead	17.3	mg/kg	EN	0.101	0.403	0.4	2	MS	SKJ	07/17/09 20:20	090717−1	885617
7440−66−6	Zinc	65.1	mg/kg		0.403	2.01	5	2	MS	SKJ	07/17/09 20:20	090717−1	885617

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885617	885616	SW846 3050B	0.503	g	50	mL	07/16/09	FGA

Subcontract Data
Dioxins

Method 1613

ENBS0089S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.291	0.842			
1,2,3,7,8-PeCDD	0.480	0.136	4.21	33:17	1.48	A
1,2,3,4,7,8-HxCDD	0.741	0.238	4.21	35:41	1.32	A
1,2,3,6,7,8-HxCDD	1.14	0.237	4.21	35:45	1.29	A
1,2,3,7,8,9-HxCDD	ND	1.22	4.21			EMPC
1,2,3,4,6,7,8-HpCDD	25.9	0.283	4.21	38:46	1.05	
OCDD	112	0.435	8.42	42:38	0.89	
2,3,7,8-TCDF	0.589	0.249	0.842	28:42	0.86	A
1,2,3,7,8-PeCDF	0.148	0.0916	4.21	32:32	1.64	A
2,3,4,7,8-PeCDF	0.300	0.0966	4.21	33:06	1.42	A
1,2,3,4,7,8-HxCDF	0.217	0.124	4.21	35:01	1.13	A
1,2,3,6,7,8-HxCDF	ND	0.215	4.21			EMPC
2,3,4,6,7,8-HxCDF	0.205	0.134	4.21	35:34	1.39	A
1,2,3,7,8,9-HxCDF	ND	0.172	4.21			
1,2,3,4,6,7,8-HpCDF	1.90	0.166	4.21	37:38	1.07	A
1,2,3,4,7,8,9-HpCDF	ND	0.218	4.21			
OCDF	4.64	0.355	8.42	42:52	0.88	A
Total TCDDs	0.364	0.291	0.842			A
Total PeCDDs	4.11	0.136	4.21			A
Total HxCDDs	17.5	0.238	4.21			
Total HpCDDs	63.5	0.283	4.21			
Total TCDFs	2.59	0.249	0.842			
Total PeCDFs	2.99	0.0939	4.21			A
Total HxCDFs	3.08	0.140	4.21			A
Total HpCDFs	5.17	0.190	4.21			
WHO-2005 TEQ (ND=0)	1.18					
WHO-2005 TEQ (ND=½)	1.63					

Client Information

Project Name:	SSFL 233444		
Sample ID:	ENBS0089S001		
Laboratory Information			
Project ID:	G341-590		
Sample ID:	G341-590-1B		
Collection Date/Time:	14-Jul-09	12:17	
Receipt Date:	16-Jul-09	10:00	
Extraction Date:	20-Jul-09		
Analysis Date:	23-Jul-09	6:51	

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.17	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-5	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

ENBS0089S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.76	87.9	29:37	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.99	99.4	33:16	1.60	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.73	86.5	35:40	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.81	90.6	35:45	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.96	98.0	38:46	1.05	
$^{13}C_{12}$-OCDD	4.00	3.46	86.5	42:37	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.87	93.4	28:41	0.81	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.11	106	32:31	1.60	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.97	98.3	33:06	1.60	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.91	95.6	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.81	90.3	35:06	0.54	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.85	92.7	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.91	95.4	36:15	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.81	90.3	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.90	95.2	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.355	88.8	29:38	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.24	

Client Information

Project Name:	SSFL 233444	
Sample ID:	ENBS0089S001	
Laboratory Information		
Project ID:	G341-590	
Sample ID:	G341-590-1B	
Collection Date/Time:	14-Jul-09	12:17
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	6:51

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	12.17	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-5	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: JWP

Date: 07/29/09

Reviewed by: TM

Date: 7-30-09

Form Version:[1613_edl]Report

Method 1613

ENBS0090S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.297	0.865			
1,2,3,7,8-PeCDD	0.316	0.188	4.32	33:16	1.74	A
1,2,3,4,7,8-HxCDD	0.669	0.275	4.32	35:41	1.27	A
1,2,3,6,7,8-HxCDD	0.894	0.289	4.32	35:45	1.28	A
1,2,3,7,8,9-HxCDD	0.866	0.284	4.32	35:59	1.21	A
1,2,3,4,6,7,8-HpCDD	21.8	0.278	4.32	38:46	1.05	
OCDD	126	0.481	8.65	42:38	0.89	
2,3,7,8-TCDF	0.804	0.247	0.865	28:43	0.76	A
1,2,3,7,8-PeCDF	0.284	0.0949	4.32	32:31	1.66	A
2,3,4,7,8-PeCDF	0.716	0.0930	4.32	33:06	1.52	A
1,2,3,4,7,8-HxCDF	0.342	0.162	4.32	35:01	1.25	A
1,2,3,6,7,8-HxCDF	0.329	0.150	4.32	35:07	1.32	A
2,3,4,6,7,8-HxCDF	0.520	0.158	4.32	35:34	1.31	A
1,2,3,7,8,9-HxCDF	ND	0.187	4.32			
1,2,3,4,6,7,8-HpCDF	2.97	0.165	4.32	37:38	1.06	A
1,2,3,4,7,8,9-HpCDF	0.225	0.224	4.32	39:21	1.01	A
OCDF	9.04	0.419	8.65	42:52	0.9	
Total TCDDs	ND	0.297	0.865			
Total PeCDDs	2.55	0.379	4.32			A
Total HxCDDs	16.2	0.283	4.32			
Total HpCDDs	57.6	0.278	4.32			
Total TCDFs	5.96	0.247	0.865			
Total PeCDFs	7.52	0.101	4.32			
Total HxCDFs	5.82	0.164	4.32			
Total HpCDFs	8.38	0.191	4.32			
WHO-2005 TEQ (ND=0)	1.27					
WHO-2005 TEQ (ND=½)	1.59					

Client Information

Project Name:	SSFL 233444		
Sample ID:	ENBS0090S001		
Laboratory Information			
Project ID:	G341-590		
Sample ID:	G341-590-2B		
Collection Date/Time:	14-Jul-09	12:22	
Receipt Date:	16-Jul-09	10:00	
Extraction Date:	20-Jul-09		
Analysis Date:	23-Jul-09	7:39	

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.84	Grams
Solids / Lipids:	97.7	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-6	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

ENBS0090S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.81	90.4	29:37	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.04	102	33:16	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.83	91.6	35:40	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.84	91.9	35:44	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.99	99.4	38:45	1.06	
$^{13}C_{12}$-OCDD	4.00	3.62	90.4	42:37	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.99	99.4	28:41	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.14	107	32:31	1.62	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.09	104	33:06	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.94	97.1	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.91	95.3	35:06	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.92	95.8	35:34	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.99	99.7	36:15	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.86	93.2	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.95	97.7	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.366	91.5	29:38	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.26	

Client Information

Project Name:	SSFL 233444		
Sample ID:	ENBS0090S001		
Laboratory Information			
Project ID:	G341-590		
Sample ID:	G341-590-2B		
Collection Date/Time:	14-Jul-09	12:22	
Receipt Date:	16-Jul-09	10:00	
Extraction Date:	20-Jul-09		
Analysis Date:	23-Jul-09	7:39	

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.84	Grams
Solids / Lipids:	97.7	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-6	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: JWP

Date: 07/30/09

Reviewed by: TM

Date: 7-30-09

Form Version:[1613_edl]Report

TCDF Confirmation - Method 1613
ENBS0090S001
General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	Adj. EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDF	0.804	0.336	0.864	20.02	0.71	A

Labeled Standard	Spiked Amount (ng)	RT (min.)	Ratio	Qualifier
Extraction Standards				
13C12-2,3,7,8-TCDF	2	20.00	0.77	

Client Information			**Sample Information**		
Project Name:	SSFL 233444		Report Basis:	Dry	
			Matrix:	Soil	
Sample ID:	ENBS0090S001		Weight / Volume:	11.84	g
			Solids / Lipids:	97.7	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17201	
Project ID:	G341-590		Instrument:	hrms3	
Sample ID:	G341-590-2B		Filename:	c27jul09a-4	
Collection Date/Time:	07/14/09	12:22	Retchk:	c27jul09a-2	
Receipt Date:	07/16/09	10:00	Begin ConCal:	c27jul09a-1	
Extraction Date:	07/20/09				
Analysis Date/Time:	07/27/09	12:17	Initial Cal:	mcf-c042709a	

Analyzed by: _____
Date: 072709

Reviewed by: _____
Date: 7/29/09

Method 1613

ENBS0091S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.275	0.875			
1,2,3,7,8-PeCDD	0.310	0.146	4.38	33:16	1.54	A
1,2,3,4,7,8-HxCDD	ND	0.340	4.38			EMPC
1,2,3,6,7,8-HxCDD	1.19	0.208	4.38	35:45	1.21	A
1,2,3,7,8,9-HxCDD	1.13	0.204	4.38	35:59	1.23	A
1,2,3,4,6,7,8-HpCDD	24.5	0.263	4.38	38:46	1.02	
OCDD	170	0.422	8.75	42:38	0.89	
2,3,7,8-TCDF	0.683	0.236	0.875	28:43	0.75	A
1,2,3,7,8-PeCDF	0.200	0.141	4.38	32:31	1.44	A
2,3,4,7,8-PeCDF	0.527	0.155	4.38	33:06	1.61	A
1,2,3,4,7,8-HxCDF	0.303	0.155	4.38	35:01	1.18	A
1,2,3,6,7,8-HxCDF	0.305	0.153	4.38	35:07	1.15	A
2,3,4,6,7,8-HxCDF	0.403	0.153	4.38	35:34	1.25	A
1,2,3,7,8,9-HxCDF	0.219	0.189	4.38	36:16	1.34	A
1,2,3,4,6,7,8-HpCDF	3.34	0.185	4.38	37:38	1.07	A
1,2,3,4,7,8,9-HpCDF	0.296	0.270	4.38	39:21	1.17	A
OCDF	15.8	0.401	8.75	42:52	0.9	
Total TCDDs	ND	0.275	0.875			
Total PeCDDs	1.04	0.317	4.38			A
Total HxCDDs	9.13	0.204	4.38			
Total HpCDDs	52.4	0.263	4.38			
Total TCDFs	4.46	0.236	0.875			
Total PeCDFs	5.24	0.148	4.38			
Total HxCDFs	5.48	0.161	4.38			
Total HpCDFs	10.4	0.223	4.38			
WHO-2005 TEQ (ND=0)	1.23					
WHO-2005 TEQ (ND=½)	1.54					

Client Information			**Sample Information**		
Project Name:	SSFL 233444		Report Basis:	Dry Weight	
			Matrix:	Soil	
Sample ID:	ENBS0091S001		Weight / Volume:	11.70	Grams
			Solids / Lipids:	97.6	%
			Original pH :	NA	
Laboratory Information			Batch ID:	WG17201	
Project ID:	G341-590				
Sample ID:	G341-590-3B		Filename:	a21jul09c_2-7	
Collection Date/Time:	14-Jul-09	12:14	Retchk:	a21jul09c_2-1	
Receipt Date:	16-Jul-09	10:00	Begin ConCal:	a21jul09c_2-1	
Extraction Date:	20-Jul-09				
Analysis Date:	23-Jul-09	8:27	Initial Cal:	m1613-100708a	

Method 1613

ENBS0091S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.85	92.5	29:37	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.09	104	33:16	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.78	89.1	35:40	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.84	91.8	35:44	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.99	99.5	38:45	1.06	
$^{13}C_{12}$-OCDD	4.00	3.65	91.1	42:37	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.98	99.2	28:42	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.20	110	32:31	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.06	103	33:06	1.61	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.88	93.8	35:01	0.53	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.86	92.8	35:07	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.86	93.2	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.92	96.1	36:15	0.54	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.90	94.9	37:38	0.46	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.96	98.2	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.368	92.0	29:39	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.81	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.25	

Client Information

Project Name:	SSFL 233444
Sample ID:	ENBS0091S001

Laboratory Information

Project ID:	G341-590	
Sample ID:	G341-590-3B	
Collection Date/Time:	14-Jul-09	12:14
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	8:27

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.70	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-7	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: _____ Date: 07/30/09

Reviewed by: _____ Date: 7-30-09

Form Version:[1613_edl]Report

Method 1613

Results for MS/MSD

ENBS0091S001

Analyte	Sample pg/g	Spike pg	MS pg/g	%REC (70-130) #	MSD pg/g	%REC (70-130) #	%RPD (20) #
2,3,7,8-TCDD	ND	200	16.7	97.7	17.3	101	3.53
1,2,3,7,8-PeCDD	0.310	1000	84.7	98.7	85.5	99.1	0.940
1,2,3,4,7,8-HxCDD	ND	1000	89.0	104	89.4	104	0.448
1,2,3,6,7,8-HxCDD	1.19	1000	84.2	97.1	84.9	97.4	0.828
1,2,3,7,8,9-HxCDD	1.13	1000	88.8	103	89.6	103	0.897
1,2,3,4,6,7,8-HpCDD	24.5	1000	109	98.8	111	101	1.82
OCDD	170	2000	337	97.7	370	116	9.34
2,3,7,8-TCDF	0.683	200	16.6	93.1	16.8	93.8	1.20
1,2,3,7,8-PeCDF	0.200	1000	80.8	94.3	82.9	96.3	2.57
2,3,4,7,8-PeCDF	0.527	1000	82.5	95.9	82.8	95.8	0.363
1,2,3,4,7,8-HxCDF	0.303	1000	81.9	95.4	84.0	97.4	2.53
1,2,3,6,7,8-HxCDF	0.305	1000	80.7	94.0	80.6	93.5	0.124
2,3,4,6,7,8-HxCDF	0.403	1000	80.9	94.2	83.1	96.2	2.68
1,2,3,7,8,9-HxCDF	0.219	1000	83.3	97.2	84.0	97.5	0.837
1,2,3,4,6,7,8-HpCDF	3.34	1000	81.6	91.5	83.4	93.2	2.18
1,2,3,4,7,8,9-HpCDF	0.296	1000	78.3	91.2	79.3	92.0	1.27
OCDF	15.8	2000	195	105	196	105	0.512

Client Information

		Solids:	97.64	%
Project ID:	SSFL 233444	Sample amount:	11.70	g
Sample ID:	ENBS0091S001	MS amount:	11.98	g
		MSD amount:	11.92	g

Laboratory Information

Project ID:	G341-590
Sample ID:	G341-590-3B
MS ID:	G341-590-4B
MSD ID:	G341-590-5B

Reviewed By:

Method 1613

ENBS0091S001 MS

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	16.7	0.277	0.855	29:38	0.77	
1,2,3,7,8-PeCDD	84.7	0.124	4.27	33:17	1.56	
1,2,3,4,7,8-HxCDD	89.0	0.187	4.27	35:41	1.25	
1,2,3,6,7,8-HxCDD	84.2	0.186	4.27	35:45	1.27	
1,2,3,7,8,9-HxCDD	88.8	0.188	4.27	35:59	1.26	
1,2,3,4,6,7,8-HpCDD	109	0.241	4.27	38:46	1.05	
OCDD	337	0.433	8.55	42:38	0.90	
2,3,7,8-TCDF	16.6	0.204	0.855	28:43	0.78	
1,2,3,7,8-PeCDF	80.8	0.199	4.27	32:32	1.57	
2,3,4,7,8-PeCDF	82.5	0.222	4.27	33:06	1.57	
1,2,3,4,7,8-HxCDF	81.9	0.457	4.27	35:02	1.22	
1,2,3,6,7,8-HxCDF	80.7	0.428	4.27	35:07	1.24	
2,3,4,6,7,8-HxCDF	80.9	0.448	4.27	35:34	1.25	
1,2,3,7,8,9-HxCDF	83.3	0.528	4.27	36:16	1.25	
1,2,3,4,6,7,8-HpCDF	81.6	0.176	4.27	37:39	1.05	
1,2,3,4,7,8,9-HpCDF	78.3	0.234	4.27	39:21	1.03	
OCDF	195	0.341	8.55	42:52	0.9	

Client Information

Project Name:	SSFL 233444
Sample ID:	ENBS0091S001 MS

Laboratory Information

Project ID:	G341-590	
Sample ID:	G341-590-4B	
Collection Date/Time:	14-Jul-09	12:14
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	9:16

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.98	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-8	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

ENBS0091S001 MS

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.86	93.2	29:37	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.09	104	33:16	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.84	91.8	35:40	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.87	93.3	35:44	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	2.04	102	38:45	1.05	
$^{13}C_{12}$-OCDD	4.00	3.67	91.7	42:36	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.98	98.8	28:41	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.17	109	32:31	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.07	103	33:06	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.93	96.6	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.86	93.2	35:06	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.91	95.4	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	2.00	100	36:15	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.90	94.9	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	2.02	101	39:21	0.46	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.374	93.5	29:38	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.26	

Client Information

Project Name:	SSFL 233444		
Sample ID:	ENBS0091S001 MS		
Laboratory Information			
Project ID:	G341-590		
Sample ID:	G341-590-4B		
Collection Date/Time:	14-Jul-09	12:14	
Receipt Date:	16-Jul-09	10:00	
Extraction Date:	20-Jul-09		
Analysis Date:	23-Jul-09	9:16	

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.98	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-8	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: _____ Reviewed by: _____

Date: 072209 Date: 7/27/09

Form Version:[1613_edl]Report

Method 1613

ENBS0091S001 MSD

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	17.3	0.306	0.859	29:38	0.79	
1,2,3,7,8-PeCDD	85.5	0.174	4.30	33:17	1.59	
1,2,3,4,7,8-HxCDD	89.4	0.238	4.30	35:41	1.25	
1,2,3,6,7,8-HxCDD	84.9	0.241	4.30	35:45	1.26	
1,2,3,7,8,9-HxCDD	89.6	0.241	4.30	35:59	1.25	
1,2,3,4,6,7,8-HpCDD	111	0.299	4.30	38:46	1.06	
OCDD	370	0.474	8.59	42:38	0.90	
2,3,7,8-TCDF	16.8	0.244	0.859	28:43	0.8	
1,2,3,7,8-PeCDF	82.9	0.203	4.30	32:32	1.57	
2,3,4,7,8-PeCDF	82.8	0.203	4.30	33:06	1.58	
1,2,3,4,7,8-HxCDF	84.0	0.576	4.30	35:02	1.25	
1,2,3,6,7,8-HxCDF	80.6	0.587	4.30	35:07	1.26	
2,3,4,6,7,8-HxCDF	83.1	0.582	4.30	35:34	1.25	
1,2,3,7,8,9-HxCDF	84.0	0.702	4.30	36:16	1.24	
1,2,3,4,6,7,8-HpCDF	83.4	0.259	4.30	37:39	1.05	
1,2,3,4,7,8,9-HpCDF	79.3	0.361	4.30	39:22	1.04	
OCDF	196	0.380	8.59	42:52	0.9	

Client Information

Project Name:	SSFL 233444		
Sample ID:	ENBS0091S001 MSD		
Laboratory Information			
Project ID:	G341-590		
Sample ID:	G341-590-5B		
Collection Date/Time:	14-Jul-09	12:14	
Receipt Date:	16-Jul-09	10:00	
Extraction Date:	20-Jul-09		
Analysis Date:	23-Jul-09	10:04	

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.92	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-9	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

ENBS0091S001 MSD

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.82	91.1	29:37	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.08	104	33:16	1.60	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.78	89.1	35:40	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.83	91.3	35:44	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.98	99.0	38:45	1.06	
$^{13}C_{12}$-OCDD	4.00	3.71	92.7	42:37	0.91	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.93	96.6	28:41	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.08	104	32:31	1.61	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.06	103	33:06	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.89	94.6	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.82	91.1	35:07	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.87	93.7	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.96	98.1	36:15	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.85	92.3	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.97	98.6	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.371	92.8	29:38	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.25	

Client Information

Project Name:	SSFL 233444
Sample ID:	ENBS0091S001 MSD

Laboratory Information

Project ID:	G341-590	
Sample ID:	G341-590-5B	
Collection Date/Time:	14-Jul-09	12:14
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	10:04

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.92	Grams
Solids / Lipids:	97.6	%
Original pH :	NA	
Batch ID:	WG17201	
Filename:	a21jul09c_2-9	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: _____ Date: 072709

Reviewed by: _____ Date: 7/27/09

Form Version:[1613_edl]Report

Method 1613

EBQW2220

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	Adj. RL (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.00364	0.00951			
1,2,3,7,8-PeCDD	ND	0.00165	0.0475			
1,2,3,4,7,8-HxCDD	ND	0.00201	0.0475			
1,2,3,6,7,8-HxCDD	ND	0.00196	0.0475			
1,2,3,7,8,9-HxCDD	ND	0.00200	0.0475			
1,2,3,4,6,7,8-HpCDD	ND	0.00326	0.0475			
OCDD	ND	0.00616	0.0951			
2,3,7,8-TCDF	ND	0.00190	0.00951			
1,2,3,7,8-PeCDF	ND	0.00104	0.0475			
2,3,4,7,8-PeCDF	ND	0.000989	0.0475			
1,2,3,4,7,8-HxCDF	ND	0.00131	0.0475			
1,2,3,6,7,8-HxCDF	ND	0.00137	0.0475			
2,3,4,6,7,8-HxCDF	ND	0.00140	0.0475			
1,2,3,7,8,9-HxCDF	ND	0.00161	0.0475			
1,2,3,4,6,7,8-HpCDF	ND	0.00184	0.0475			
1,2,3,4,7,8,9-HpCDF	ND	0.00248	0.0475			
OCDF	ND	0.00477	0.0951			
Total TCDDs	ND	0.00364	0.00951			
Total PeCDDs	ND	0.00165	0.0475			
Total HxCDDs	ND	0.00199	0.0475			
Total HpCDDs	ND	0.00326	0.0475			
Total TCDFs	ND	0.00190	0.00951			
Total PeCDFs	ND	0.00102	0.0475			
Total HxCDFs	ND	0.00142	0.0475			
Total HpCDFs	ND	0.00213	0.0475			
WHO-2005 TEQ (ND=0)	0.000					
WHO-2005 TEQ (ND=½)	0.00706					

Client Information

Project Name:	SSFL 233444
Sample ID:	EBQW2220

Laboratory Information

Project ID:	G341-590	
Sample ID:	G341-590-6B	
Collection Date/Time:	14-Jul-09	13:16
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	10:52

Sample Information

Matrix:	Water	
Weight / Volume:	1052	mL
Solids / Lipids:	NA	%
Original pH :	8	
Batch ID:	WG17200	
Filename:	a21jul09c_2-10	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

EBQW2220

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.71	85.4	29:37	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	1.92	96.0	33:16	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.72	85.9	35:40	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.60	80.1	35:45	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.75	87.4	38:46	1.05	
$^{13}C_{12}$-OCDD	4.00	3.42	85.4	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.80	90.0	28:42	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.90	94.8	32:31	1.61	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.96	98.2	33:06	1.62	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.69	84.5	35:01	0.53	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.69	84.3	35:07	0.54	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.69	84.6	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.78	89.0	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.64	82.2	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.76	88.0	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.422	106	29:39	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:51	0.81	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.26	

Client Information

Project Name: SSFL 233444

Sample ID: EBQW2220

Laboratory Information

Project ID: G341-590

Sample ID: G341-590-6B

Collection Date/Time: 14-Jul-09 13:16

Receipt Date: 16-Jul-09 10:00

Extraction Date: 20-Jul-09

Analysis Date: 23-Jul-09 10:52

Sample Information

Matrix: Water

Weight / Volume: 1052 mL

Solids / Lipids: NA %

Original pH : 8

Batch ID: WG17200

Filename: a21jul09c_2-10

Retchk: a21jul09c_2-1

Begin ConCal: a21jul09c_2-1

Initial Cal: m1613-100708a

Analyzed by: _____

Date: 072709

Reviewed by: _____

Date: 7/27/09

Form Version:[1613_edl]Report

Method 1613

FBQW2235

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	Adj. RL (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.00249	0.00954			
1,2,3,7,8-PeCDD	ND	0.00148	0.0477			
1,2,3,4,7,8-HxCDD	ND	0.00173	0.0477			
1,2,3,6,7,8-HxCDD	ND	0.00179	0.0477			
1,2,3,7,8,9-HxCDD	ND	0.00177	0.0477			
1,2,3,4,6,7,8-HpCDD	ND	0.00276	0.0477			
OCDD	ND	0.00453	0.0954			
2,3,7,8-TCDF	ND	0.00147	0.00954			
1,2,3,7,8-PeCDF	ND	0.000941	0.0477			
2,3,4,7,8-PeCDF	ND	0.000899	0.0477			
1,2,3,4,7,8-HxCDF	ND	0.00114	0.0477			
1,2,3,6,7,8-HxCDF	ND	0.00119	0.0477			
2,3,4,6,7,8-HxCDF	ND	0.00118	0.0477			
1,2,3,7,8,9-HxCDF	ND	0.00157	0.0477			
1,2,3,4,6,7,8-HpCDF	ND	0.00139	0.0477			
1,2,3,4,7,8,9-HpCDF	ND	0.00205	0.0477			
OCDF	ND	0.00343	0.0954			
Total TCDDs	ND	0.00249	0.00954			
Total PeCDDs	ND	0.00148	0.0477			
Total HxCDDs	ND	0.00177	0.0477			
Total HpCDDs	ND	0.00276	0.0477			
Total TCDFs	ND	0.00147	0.00954			
Total PeCDFs	ND	0.000897	0.0477			
Total HxCDFs	ND	0.00126	0.0477			
Total HpCDFs	ND	0.00169	0.0477			
WHO-2005 TEQ (ND=0)	0.000					
WHO-2005 TEQ (ND=½)	0.00551					

Client Information

Project Name:	SSFL 233444
Sample ID:	FBQW2235

Laboratory Information

Project ID:	G341-590	
Sample ID:	G341-590-7B	
Collection Date/Time:	14-Jul-09	13:20
Receipt Date:	16-Jul-09	10:00
Extraction Date:	20-Jul-09	
Analysis Date:	23-Jul-09	11:40

Sample Information

Matrix:	Water	
Weight / Volume:	1048	mL
Solids / Lipids:	NA	%
Original pH :	8	
Batch ID:	WG17200	
Filename:	a21jul09c_2-11	
Retchk:	a21jul09c_2-1	
Begin ConCal:	a21jul09c_2-1	
Initial Cal:	m1613-100708a	

Method 1613

FBQW2235

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.99	99.3	29:37	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.19	110	33:16	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	2.01	101	35:41	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.89	94.3	35:45	1.27	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	2.10	105	38:46	1.06	
$^{13}C_{12}$-OCDD	4.00	4.17	104	42:38	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	2.12	106	28:42	0.80	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.21	111	32:31	1.59	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.26	113	33:06	1.62	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.99	99.7	35:01	0.53	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	2.06	103	35:07	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	2.04	102	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	2.15	108	36:16	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	2.01	100	37:39	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	2.14	107	39:22	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.435	109	29:39	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:52	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:59	1.25	

Client Information

Project Name: SSFL 233444

Sample ID: FBQW2235

Laboratory Information

Project ID: G341-590

Sample ID: G341-590-7B

Collection Date/Time: 14-Jul-09 13:20

Receipt Date: 16-Jul-09 10:00

Extraction Date: 20-Jul-09

Analysis Date: 23-Jul-09 11:40

Sample Information

Matrix: Water

Weight / Volume: 1048 mL

Solids / Lipids: NA %

Original pH : 8

Batch ID: WG17200

Filename: a21jul09c_2-11

Retchk: a21jul09c_2-1

Begin ConCal: a21jul09c_2-1

Initial Cal: m1613-100708a

Analyzed by: _____

Date: 072709

Reviewed by: _____

Date: 7/27/09

Form Version:[1613_edl]Report

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178

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March 05, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 233571
SDG: 233571

Dear Ms. Elizabeth Wessling,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 10, 2009, July 16, 2009 and June 02, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline A Trudell

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.054521
Chain of Custody: MWHBM20090409_00, MWHBM20090601_00 and MWHMM20090715_00
Enclosures

Metals Analysis

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571001 **BASIS:** As Received **DATE COLLECTED** 15−JUL−09

CLIENT ID: EBQW2221 **LEVEL:** Low **DATE RECEIVED** 16−JUL−09

MATRIX: WATER **%SOLIDS:** 0

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	1.6	ug/L	U	1.6	5	5	1	MS	PRB	07/18/09 06:14	090717−1	885994
7440−43−9	Cadmium	0.110	ug/L	U	0.11	1	1	1	MS	PRB	07/18/09 06:14	090717−1	885994
7440−50−8	Copper	0.330	ug/L	U	0.33	1	1	1	MS	PRB	07/18/09 06:14	090717−1	885994
7439−92−1	Lead	0.50	ug/L	U	0.5	2	2	1	MS	PRB	07/18/09 06:14	090717−1	885994

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
885994	885993	SW846 3005A	50	mL	50	mL	07/17/09	CXS3

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571002 **BASIS:** Dry Weight **DATE COLLECTED** 15−JUL−09

CLIENT ID: HZBS0146S001 **LEVEL:** Low **DATE RECEIVED** 16−JUL−09

MATRIX: SOIL **%SOLIDS:** 90.2

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	3.74	mg/kg		0.221	1.1	0.5	2	MS	BAJ	07/21/09 05:21	090720−2	886003
7440−43−9	Cadmium	0.280	mg/kg		0.0221	0.221	0.2	2	MS	BAJ	07/21/09 05:21	090720−2	886003
7440−50−8	Copper	12.5	mg/kg	N	0.364	1.1	0.2	10	MS	BAJ	07/21/09 10:00	090720−4	886003
7439−92−1	Lead	8.54	mg/kg	N	0.11	0.442	0.4	2	MS	BAJ	07/21/09 05:21	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.502	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571003 **BASIS:** Dry Weight **DATE COLLECTED** 15−JUL−09

CLIENT ID: HZBS0147S001 **LEVEL:** Low **DATE RECEIVED** 16−JUL−09

MATRIX: SOIL **%SOLIDS:** 92.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	3.67	mg/kg		0.208	1.04	0.5	2	MS	BAJ	07/21/09 06:04	090720−2	886003
7440−43−9	Cadmium	0.319	mg/kg		0.0208	0.208	0.2	2	MS	BAJ	07/21/09 06:04	090720−2	886003
7440−50−8	Copper	16	mg/kg	N	1.71	5.19	0.2	50	MS	BAJ	07/21/09 10:32	090720−4	886003
7439−92−1	Lead	7.75	mg/kg	N	0.104	0.415	0.4	2	MS	BAJ	07/21/09 06:04	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.523	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571005 **BASIS:** Dry Weight **DATE COLLECTED** 15−JUL−09

CLIENT ID: HZBS0148S001 **LEVEL:** Low **DATE RECEIVED** 16−JUL−09

MATRIX: SOIL **%SOLIDS:** 88

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−38−2	Arsenic	3.59	mg/kg		0.223	1.11	0.5	2	MS	BAJ	07/21/09 06:11	090720−2	886003
7440−43−9	Cadmium	0.321	mg/kg		0.0223	0.223	0.2	2	MS	BAJ	07/21/09 06:11	090720−2	886003
7440−50−8	Copper	17.2	mg/kg	N	1.84	5.57	0.2	50	MS	BAJ	07/21/09 10:34	090720−4	886003
7439−92−1	Lead	8.19	mg/kg	N	0.111	0.446	0.4	2	MS	BAJ	07/21/09 06:11	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.508	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571008 **BASIS:** Dry Weight **DATE COLLECTED** 15−JUL−09

CLIENT ID: HZBS0150S001 **LEVEL:** Low **DATE RECEIVED** 16−JUL−09

MATRIX: SOIL **%SOLIDS:** 99.37

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7439−92−1	Lead	15.9	mg/kg	N	0.0973	0.389	0.4	2	MS	BAJ	07/21/09 06:17	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.517	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571009 **BASIS:** Dry Weight **DATE COLLECTED** 09−APR−09

CLIENT ID: HZBS0105S001 **LEVEL:** Low **DATE RECEIVED** 10−APR−09

MATRIX: SOIL **%SOLIDS:** 94.1

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−50−8	Copper	44.5	mg/kg	N	0.344	1.04	0.2	10	MS	BAJ	07/21/09 10:18	090720−4	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.509	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571010 **BASIS:** Dry Weight **DATE COLLECTED** 01−JUN−09

CLIENT ID: HZBS0112S001 **LEVEL:** Low **DATE RECEIVED** 02−JUN−09

MATRIX: SOIL **%SOLIDS:** 85

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−50−8	Copper	8.07	mg/kg	N	0.384	1.16	0.2	10	MS	BAJ	07/21/09 10:20	090720−4	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.506	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571011 **BASIS:** Dry Weight **DATE COLLECTED** 01−JUN−09

CLIENT ID: HZBS0123S001 **LEVEL:** Low **DATE RECEIVED** 02−JUN−09

MATRIX: SOIL **%SOLIDS:** 84

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−50−8	Copper	11.5	mg/kg	N	0.385	1.17	0.2	10	MS	BAJ	07/21/09 10:21	090720−4	886003
7439−92−1	Lead	17	mg/kg	N	0.117	0.467	0.4	2	MS	BAJ	07/21/09 06:35	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.51	g	50	mL	07/17/09	FGA

METALS
−1−
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 233571 **CONTRACT:** SSFL00149 **METHOD TYPE:** SW846

SAMPLE ID: 233571012 **BASIS:** Dry Weight **DATE COLLECTED** 01−JUN−09

CLIENT ID: HZBS0123D001 **LEVEL:** Low **DATE RECEIVED** 02−JUN−09

MATRIX: SOIL **%SOLIDS:** 95.7

CAS No.	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440−50−8	Copper	11.1	mg/kg	N	0.338	1.02	0.2	10	MS	BAJ	07/21/09 10:23	090720−4	886003
7439−92−1	Lead	16.3	mg/kg	N	0.102	0.41	0.4	2	MS	BAJ	07/21/09 06:42	090720−2	886003

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
886003	886002	SW846 3050B	0.51	g	50	mL	07/17/09	FGA

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March 05, 2010

Ms. Elizabeth Wessling
MECx, LLC
3061 West 92nd Ave #10-D
Westminster, Colorado 80031

Re: SSFL
Project Number: 1891614.054521
Project Name: ISRA Sampling, June 2009
Work Order: 233835
SDG: 233835

Dear Ms. Elizabeth Wessling,

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 16, 2009 and July 22, 2009. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4406.

Sincerely,

Jacqueline A Trudell

Jacqueline Trudell
Project Manager

Purchase Order: 1891614.054521
Chain of Custody: MWHAR20090721_00 and MWHMM20090715_00
Enclosures

Subcontract Data
Dioxins

Method 1613

EBQW2222

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (ng/L)	EDL (ng/L)	Adj. RL (ng/L)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.00291	0.00962			
1,2,3,7,8-PeCDD	ND	0.00170	0.0481			
1,2,3,4,7,8-HxCDD	ND	0.00187	0.0481			
1,2,3,6,7,8-HxCDD	ND	0.00186	0.0481			
1,2,3,7,8,9-HxCDD	ND	0.00188	0.0481			
1,2,3,4,6,7,8-HpCDD	ND	0.00260	0.0481			
OCDD	ND	0.00462	0.0962			
2,3,7,8-TCDF	ND	0.00203	0.00962			
1,2,3,7,8-PeCDF	ND	0.000896	0.0481			
2,3,4,7,8-PeCDF	ND	0.000888	0.0481			
1,2,3,4,7,8-HxCDF	ND	0.00133	0.0481			
1,2,3,6,7,8-HxCDF	ND	0.00136	0.0481			
2,3,4,6,7,8-HxCDF	ND	0.00141	0.0481			
1,2,3,7,8,9-HxCDF	ND	0.00169	0.0481			
1,2,3,4,6,7,8-HpCDF	ND	0.00149	0.0481			
1,2,3,4,7,8,9-HpCDF	ND	0.00222	0.0481			
OCDF	ND	0.00434	0.0962			
Total TCDDs	ND	0.00291	0.00962			
Total PeCDDs	ND	0.00170	0.0481			
Total HxCDDs	ND	0.00187	0.0481			
Total HpCDDs	ND	0.00260	0.0481			
Total TCDFs	ND	0.00203	0.00962			
Total PeCDFs	ND	0.000863	0.0481			
Total HxCDFs	ND	0.00145	0.0481			
Total HpCDFs	ND	0.00181	0.0481			
WHO-2005 TEQ (ND=0)	0.000					
WHO-2005 TEQ (ND=½)	0.00631					

Client Information

Project Name:	SSFL 233835
Sample ID:	EBQW2222

Laboratory Information

Project ID:	G341-594	
Sample ID:	G341-594-1B	
Collection Date/Time:	21-Jul-09	09:13
Receipt Date:	23-Jul-09	10:00
Extraction Date:	28-Jul-09	
Analysis Date:	2-Aug-09	3:52

Sample Information

Matrix:	Water	
Weight / Volume:	1040	mL
Solids / Lipids:	NA	%
Original pH :	7	
Batch ID:	WG17214	
Filename:	a01aug09a_2-6	
Retchk:	a01aug09a-15	
Begin ConCal:	a01aug09a-15	
Initial Cal:	m1613-100708a	

Method 1613

EBQW2222

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	2.10	105	29:39	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.20	110	33:17	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	1.80	90.1	35:42	1.26	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.90	94.9	35:46	1.24	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.98	98.9	38:49	1.05	
$^{13}C_{12}$-OCDD	4.00	3.80	94.9	42:43	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	2.09	104	28:44	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.14	107	32:32	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	2.15	108	33:07	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.75	87.6	35:03	0.51	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.79	89.5	35:08	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.75	87.5	35:36	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	2.00	100	36:17	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.92	95.9	37:41	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.96	97.9	39:25	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.468	117	29:41	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:53	0.80	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			36:01	1.24	

Client Information

Project Name: SSFL 233835

Sample ID: EBQW2222

Laboratory Information

Project ID: G341-594

Sample ID: G341-594-1B

Collection Date/Time: 21-Jul-09 09:13

Receipt Date: 23-Jul-09 10:00

Extraction Date: 28-Jul-09

Analysis Date: 02-Aug-09 3:52

Sample Information

Matrix: Water

Weight / Volume: 1040 mL

Solids / Lipids: NA %

Original pH : 7

Batch ID: WG17214

Filename: a01aug09a_2-6

Retchk: a01aug09a-15

Begin ConCal: a01aug09a-15

Initial Cal: m1613-100708a

Analyzed by: DS

Date: 8-3-09

Reviewed by: JM

Date: 8-3-09

Form Version:[1613_edl]Report

Method 1613

HZBS0151S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.222	0.897			
1,2,3,7,8-PeCDD	0.838	0.155	4.49	33:17	1.68	A
1,2,3,4,7,8-HxCDD	1.79	0.261	4.49	35:41	1.16	A
1,2,3,6,7,8-HxCDD	7.39	0.266	4.49	35:45	1.27	
1,2,3,7,8,9-HxCDD	3.66	0.266	4.49	35:59	1.29	A
1,2,3,4,6,7,8-HpCDD	185	0.852	4.49	38:46	1.03	
OCDD	3720	0.433	8.97	42:37	0.89	E
2,3,7,8-TCDF	0.407	0.211	0.897	28:43	0.88	A
1,2,3,7,8-PeCDF	0.273	0.108	4.49	32:31	1.67	A
2,3,4,7,8-PeCDF	0.463	0.107	4.49	33:06	1.61	A
1,2,3,4,7,8-HxCDF	0.964	0.213	4.49	35:02	1.16	A
1,2,3,6,7,8-HxCDF	0.449	0.219	4.49	35:07	1.26	A
2,3,4,6,7,8-HxCDF	0.691	0.211	4.49	35:34	1.08	A
1,2,3,7,8,9-HxCDF	0.463	0.280	4.49	36:16	1.36	A
1,2,3,4,6,7,8-HpCDF	20.2	0.211	4.49	37:39	1.03	
1,2,3,4,7,8,9-HpCDF	1.30	0.325	4.49	39:22	1.03	A
OCDF	93.2	0.368	8.97	42:52	0.88	
Total TCDDs	ND	0.222	0.897			
Total PeCDDs	6.23	0.155	4.49			
Total HxCDDs	61.2	0.265	4.49			
Total HpCDDs	807	0.852	4.49			
Total TCDFs	1.96	0.211	0.897			
Total PeCDFs	5.95	0.107	4.49			
Total HxCDFs	23.6	0.229	4.49			
Total HpCDFs	70.3	0.261	4.49			
WHO-2005 TEQ (ND=0)	5.78					
WHO-2005 TEQ (ND=½)	6.00					

Client Information

Project Name:	SSFL 233835		
Sample ID:	HZBS0151S001		

Laboratory Information

Project ID:	G341-594	
Sample ID:	G341-594-2B	
Collection Date/Time:	21-Jul-09	08:57
Receipt Date:	23-Jul-09	10:00
Extraction Date:	23-Jul-09	
Analysis Date:	25-Jul-09	6:32

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	11.28	Grams
Solids / Lipids:	98.8	%
Original pH :	NA	
Batch ID:	WG17207	
Filename:	a24jul09a_2-5	
Retchk:	a24jul09a_2-1	
Begin ConCal:	a24jul09a_2-1	
Initial Cal:	m1613-100708a	

Method 1613

HZBS0151S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	1.97	98.6	29:37	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.01	100	33:16	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	2.01	100	35:40	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.86	92.8	35:45	1.26	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	1.92	96.2	38:45	1.05	
$^{13}C_{12}$-OCDD	4.00	3.85	96.1	42:36	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.85	92.6	28:42	0.79	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	1.88	94.2	32:31	1.56	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.88	94.1	33:06	1.59	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.80	89.8	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.79	89.7	35:06	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.82	90.8	35:34	0.52	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.80	90.2	36:15	0.53	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.69	84.5	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.73	86.6	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.396	99.0	29:39	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:52	0.79	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.24	

Client Information

Project Name: SSFL 233835

Sample ID: HZBS0151S001

Laboratory Information

Project ID: G341-594

Sample ID: G341-594-2B

Collection Date/Time: 21-Jul-09 08:57

Receipt Date: 23-Jul-09 10:00

Extraction Date: 23-Jul-09

Analysis Date: 25-Jul-09 6:32

Sample Information

Report Basis: Dry Weight

Matrix: Soil

Weight / Volume: 11.28 Grams

Solids / Lipids: 98.8 %

Original pH : NA

Batch ID: WG17207

Filename: a24jul09a_2-5

Retchk: a24jul09a_2-1

Begin ConCal: a24jul09a_2-1

Initial Cal: m1613-100708a

Analyzed by: JMP

Date: 073009

Reviewed by: TM

Date: 7.30.09

Form Version:[1613_edl]Report

Method 1613

HZBS0149S001

General Engineering Labs

Analytical Data Summary Sheet

Analyte	Amount (pg/g)	EDL (pg/g)	Adj. RL (pg/g)	RT (min.)	Ratio	Qualifier
2,3,7,8-TCDD	ND	0.225	0.894			
1,2,3,7,8-PeCDD	1.20	0.152	4.47	33:17	1.39	A
1,2,3,4,7,8-HxCDD	2.74	0.212	4.47	35:41	1.29	A
1,2,3,6,7,8-HxCDD	10.6	0.211	4.47	35:45	1.24	
1,2,3,7,8,9-HxCDD	5.24	0.213	4.47	35:59	1.28	
1,2,3,4,6,7,8-HpCDD	243	0.779	4.47	38:46	1.04	
OCDD	4810	0.354	8.94	42:37	0.89	E
2,3,7,8-TCDF	0.594	0.192	0.894	28:44	0.83	A
1,2,3,7,8-PeCDF	0.458	0.115	4.47	32:32	1.59	A
2,3,4,7,8-PeCDF	0.760	0.126	4.47	33:06	1.41	A
1,2,3,4,7,8-HxCDF	1.31	0.173	4.47	35:01	1.23	A
1,2,3,6,7,8-HxCDF	0.670	0.177	4.47	35:07	1.14	A
2,3,4,6,7,8-HxCDF	1.01	0.184	4.47	35:34	1.18	A
1,2,3,7,8,9-HxCDF	0.837	0.230	4.47	36:16	1.35	A
1,2,3,4,6,7,8-HpCDF	23.0	0.203	4.47	37:39	1.04	
1,2,3,4,7,8,9-HpCDF	1.57	0.307	4.47	39:22	1.12	A
OCDF	92.5	0.257	8.94	42:52	0.89	
Total TCDDs	1.03	0.225	0.894			
Total PeCDDs	9.25	0.152	4.47			
Total HxCDDs	78.3	0.213	4.47			
Total HpCDDs	1020	0.779	4.47			
Total TCDFs	3.81	0.192	0.894			
Total PeCDFs	8.57	0.120	4.47			
Total HxCDFs	34.7	0.190	4.47			
Total HpCDFs	78.7	0.249	4.47			
WHO-2005 TEQ (ND=0)	7.89					
WHO-2005 TEQ (ND=½)	8.11					

Client Information

Project Name:	SSFL 233835		
Sample ID:	HZBS0149S001		

Laboratory Information

Project ID:	G341-594	
Sample ID:	G341-594-3B	
Collection Date/Time:	15-Jul-09	12:08
Receipt Date:	17-Jul-09	10:10
Extraction Date:	23-Jul-09	
Analysis Date:	25-Jul-09	7:20

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	13.45	Grams
Solids / Lipids:	83.2	%
Original pH :	NA	
Batch ID:	WG17207	
Filename:	a24jul09a_2-6	
Retchk:	a24jul09a_2-1	
Begin ConCal:	a24jul09a_2-1	
Initial Cal:	m1613-100708a	

Method 1613

HZBS0149S001

General Engineering Labs

Analytical Data Summary Sheet

Labeled Standard	Expected Amount (ng)	Measured Amount (ng)	Percent Recovery (%)	RT (min.)	Ratio	Qualifier
Extraction Standards						
$^{13}C_{12}$-2,3,7,8-TCDD	2	2.07	104	29:37	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	2	2.08	104	33:16	1.58	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	2	2.07	104	35:40	1.27	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	2	1.93	96.4	35:45	1.25	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	2	2.03	102	38:45	1.05	
$^{13}C_{12}$-OCDD	4.00	4.17	104	42:36	0.90	
$^{13}C_{12}$-2,3,7,8-TCDF	2	1.99	99.7	28:42	0.78	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	2	2.05	103	32:31	1.58	
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2	1.97	98.4	33:06	1.57	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	2	1.90	95.0	35:01	0.52	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	2	1.89	94.7	35:06	0.53	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	2	1.87	93.7	35:34	0.53	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	2	1.97	98.3	36:15	0.52	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	2	1.78	89.0	37:38	0.45	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	2	1.83	91.6	39:21	0.45	
Cleanup Standards						
$^{37}Cl_4$-2,3,7,8-TCDD	0.400	0.429	107	29:38	-	
Injection Standards						
$^{13}C_{12}$-1,2,3,4-TCDD	2.00			28:52	0.79	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	2.00			35:58	1.24	

Client Information

Project Name:	SSFL 233835	
Sample ID:	HZBS0149S001	

Laboratory Information

Project ID:	G341-594	
Sample ID:	G341-594-3B	
Collection Date/Time:	15-Jul-09	12:08
Receipt Date:	17-Jul-09	10:10
Extraction Date:	23-Jul-09	
Analysis Date:	25-Jul-09	7:20

Sample Information

Report Basis:	Dry Weight	
Matrix:	Soil	
Weight / Volume:	13.45	Grams
Solids / Lipids:	83.2	%
Original pH :	NA	
Batch ID:	WG17207	
Filename:	a24jul09a_2-6	
Retchk:	a24jul09a_2-1	
Begin ConCal:	a24jul09a_2-1	
Initial Cal:	m1613-100708a	

Analyzed by: _____ Reviewed by: _____

Date: 072309 Date: 7.30.09

Form Version:[1613_edl]Report