ANALYTICAL REPORT

Friday, July 15, 2011

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Dale Schneck
World Resources, Inc.
170 Walnut Lane
Pottsville, PA 17901

TEL:
FAX:

Project: 10749
Location: Groundwater 2011

Order No.: 1107035

Dear Dale Schneck:

GeoLabs, Inc. received 11 sample(s) on 7/7/2011 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted.

There were no problems with the analyses and all data meets all requirements of NELAC, except where noted on Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Mick
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - RI (LA000252)

Accredited in Accordance with NELAC

Date: *15-Jul-11*

CLIENT: World Resources, Inc.
Project: 10749
Lab Order: 1107035

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure, with the following exceptions:

Samples 006-008 8270 were received and analyzed out of holding time per client request.

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

601 LCS percent recoveries for Chloromethane and Dichlorodifluoromethane are outside the recovery limits.

8270 LCS percent recoveries for 2-Nitroaniline, 3-Nitroaniline, Carbazole, Dimethyl Phthalate, Hexachlorobutadiene, Hexachlorocyclopentadiene, and Pyridine are outside the recovery limits.

SIGNATURE: LAB DIRECTOR

PRINTED NAME: David Mick DATE: July 15, 2011

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-1
Lab Order:	1107035	**Collection Date:**	6/29/2011 2:00:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-001	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:		Prep Date:				
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/8/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/8/2011
Bromoform	ND	1.00		µg/L	1	7/8/2011
Bromomethane	ND	1.00		µg/L	1	7/8/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/8/2011
Chlorobenzene	ND	1.00		µg/L	1	7/8/2011
Chloroethane	ND	1.00		µg/L	1	7/8/2011
Chloroform	ND	1.00		µg/L	1	7/8/2011
Chloromethane	ND	1.00		µg/L	1	7/8/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/8/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/8/2011
Methylene Chloride	ND	1.00		µg/L	1	7/8/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Trichloroethene	ND	1.00		µg/L	1	7/8/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/8/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/8/2011
Surr: 1,2-Dichlorobenzene-d4	98.0	70-130		%REC	1	7/8/2011
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	7/8/2011
Surr: Dibromofluoromethane	97.0	70-130		%REC	1	7/8/2011
Surr: Toluene-d8	100	70-130		%REC	1	7/8/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-2D
Lab Order:	1107035	**Collection Date:**	6/29/2011 2:15:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-002	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:			Prep Date:			
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/8/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/8/2011
Bromoform	ND	1.00		µg/L	1	7/8/2011
Bromomethane	ND	1.00		µg/L	1	7/8/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/8/2011
Chlorobenzene	ND	1.00		µg/L	1	7/8/2011
Chloroethane	ND	1.00		µg/L	1	7/8/2011
Chloroform	ND	1.00		µg/L	1	7/8/2011
Chloromethane	ND	1.00		µg/L	1	7/8/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/8/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/8/2011
Methylene Chloride	ND	1.00		µg/L	1	7/8/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Trichloroethene	ND	1.00		µg/L	1	7/8/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/8/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/8/2011
Surr: 1,2-Dichlorobenzene-d4	99.0	70-130		%REC	1	7/8/2011
Surr: Bromofluorobenzene	100	70-130		%REC	1	7/8/2011
Surr: Dibromofluoromethane	100	70-130		%REC	1	7/8/2011
Surr: Toluene-d8	103	70-130		%REC	1	7/8/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-3
Lab Order:	1107035	**Collection Date:**	6/29/2011 3:00:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-003	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:			Prep Date:			
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/8/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/8/2011
Bromoform	ND	1.00		µg/L	1	7/8/2011
Bromomethane	ND	1.00		µg/L	1	7/8/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/8/2011
Chlorobenzene	ND	1.00		µg/L	1	7/8/2011
Chloroethane	ND	1.00		µg/L	1	7/8/2011
Chloroform	ND	1.00		µg/L	1	7/8/2011
Chloromethane	ND	1.00		µg/L	1	7/8/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/8/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/8/2011
Methylene Chloride	ND	1.00		µg/L	1	7/8/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Trichloroethene	ND	1.00		µg/L	1	7/8/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/8/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/8/2011
Surr: 1,2-Dichlorobenzene-d4	99.0	70-130		%REC	1	7/8/2011
Surr: Bromofluorobenzene	98.0	70-130		%REC	1	7/8/2011
Surr: Dibromofluoromethane	101	70-130		%REC	1	7/8/2011
Surr: Toluene-d8	100	70-130		%REC	1	7/8/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-4
Lab Order:	1107035	**Collection Date:**	6/29/2011 3:30:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-004	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:			Prep Date:			
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/8/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/8/2011
Bromoform	ND	1.00		µg/L	1	7/8/2011
Bromomethane	ND	1.00		µg/L	1	7/8/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/8/2011
Chlorobenzene	ND	1.00		µg/L	1	7/8/2011
Chloroethane	ND	1.00		µg/L	1	7/8/2011
Chloroform	ND	1.00		µg/L	1	7/8/2011
Chloromethane	ND	1.00		µg/L	1	7/8/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/8/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/8/2011
Methylene Chloride	ND	1.00		µg/L	1	7/8/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Trichloroethene	ND	1.00		µg/L	1	7/8/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/8/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/8/2011
Surr: 1,2-Dichlorobenzene-d4	97.0	70-130		%REC	1	7/8/2011
Surr: Bromofluorobenzene	97.0	70-130		%REC	1	7/8/2011
Surr: Dibromofluoromethane	103	70-130		%REC	1	7/8/2011
Surr: Toluene-d8	99.0	70-130		%REC	1	7/8/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-5
Lab Order:	1107035	**Collection Date:**	6/30/2011 3:45:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-005	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:		Prep Date:				
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/8/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/8/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/8/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/8/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/8/2011
Bromoform	ND	1.00		µg/L	1	7/8/2011
Bromomethane	ND	1.00		µg/L	1	7/8/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/8/2011
Chlorobenzene	ND	1.00		µg/L	1	7/8/2011
Chloroethane	ND	1.00		µg/L	1	7/8/2011
Chloroform	ND	1.00		µg/L	1	7/8/2011
Chloromethane	ND	1.00		µg/L	1	7/8/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/8/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/8/2011
Methylene Chloride	ND	1.00		µg/L	1	7/8/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/8/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/8/2011
Trichloroethene	ND	1.00		µg/L	1	7/8/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/8/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/8/2011
Surr: 1,2-Dichlorobenzene-d4	101	70-130		%REC	1	7/8/2011
Surr: Bromofluorobenzene	91.0	70-130		%REC	1	7/8/2011
Surr: Dibromofluoromethane	101	70-130		%REC	1	7/8/2011
Surr: Toluene-d8	99.0	70-130		%REC	1	7/8/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-1
Lab Order:	1107035	**Collection Date:**	6/29/2011 2:00:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-006	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
1,2,4-Trichlorobenzene	ND	6.30	H	µg/L	1	7/13/2011
1,2-Dichlorobenzene	ND	6.30	H	µg/L	1	7/13/2011
1,3-Dichlorobenzene	ND	6.30	H	µg/L	1	7/13/2011
1,4-Dichlorobenzene	ND	6.30	H	µg/L	1	7/13/2011
2,4,5-Trichlorophenol	ND	12.6	H	µg/L	1	7/13/2011
2,4,6-Trichlorophenol	ND	12.6	H	µg/L	1	7/13/2011
2,4-Dichlorophenol	ND	12.6	H	µg/L	1	7/13/2011
2,4-Dimethylphenol	ND	12.6	H	µg/L	1	7/13/2011
2,4-Dinitrophenol	ND	63.0	H	µg/L	1	7/13/2011
2,4-Dinitrotoluene	ND	6.30	H	µg/L	1	7/13/2011
2,6-Dinitrotoluene	ND	6.30	H	µg/L	1	7/13/2011
2-Chloronaphthalene	ND	6.30	H	µg/L	1	7/13/2011
2-Chlorophenol	ND	12.6	H	µg/L	1	7/13/2011
2-Methylnaphthalene	ND	6.30	H	µg/L	1	7/13/2011
2-Methylphenol	ND	12.6	H	µg/L	1	7/13/2011
2-Nitroaniline	ND	63.0	H	µg/L	1	7/13/2011
2-Nitrophenol	ND	12.6	H	µg/L	1	7/13/2011
3,3'-Dichlorobenzidine	ND	63.0	H	µg/L	1	7/13/2011
3-Methylphenol/4-Methylphenol	ND	12.6	H	µg/L	1	7/13/2011
3-Nitroaniline	ND	63.0	H	µg/L	1	7/13/2011
4,6-Dinitro-2-Methylphenol	ND	63.0	H	µg/L	1	7/13/2011
4-Bromophenyl Phenyl Ether	ND	6.30	H	µg/L	1	7/13/2011
4-Chloro-3-Methylphenol	ND	25.2	H	µg/L	1	7/13/2011
4-Chloroaniline	ND	25.2	H	µg/L	1	7/13/2011
4-Chlorophenyl Phenyl Ether	ND	6.30	H	µg/L	1	7/13/2011
4-Nitroaniline	ND	25.2	H	µg/L	1	7/13/2011
4-Nitrophenol	ND	63.0	H	µg/L	1	7/13/2011
Acenaphthene	ND	0.0630	H	µg/L	1	7/13/2011
Acenaphthylene	ND	0.0630	H	µg/L	1	7/13/2011
Acetophenone	ND	6.30	H	µg/L	1	7/13/2011
Aniline	ND	12.6	H	µg/L	1	7/13/2011
Anthracene	ND	6.30	H	µg/L	1	7/13/2011
Azobenzene	ND	6.30	H	µg/L	1	7/13/2011
Benz(a)Anthracene	ND	0.0504	H	µg/L	1	7/13/2011
Benzidine	ND	6.30	H	µg/L	1	7/13/2011
Benzo(a)Pyrene	ND	0.0630	H	µg/L	1	7/13/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-1
Lab Order:	1107035	Collection Date:	6/29/2011 2:00:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-006	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Benzo(b)Fluoranthene	ND	0.0630	H	µg/L	1	7/13/2011
Benzo(g,h,i)Perylene	ND	3.78	H	µg/L	1	7/13/2011
Benzo(k)Fluoranthene	ND	0.0630	H	µg/L	1	7/13/2011
Bis(2-Chloroethoxy)Methane	ND	6.30	H	µg/L	1	7/13/2011
Bis(2-Chloroethyl)Ether	ND	6.30	H	µg/L	1	7/13/2011
Bis(2-Chloroisopropyl)Ether	ND	6.30	H	µg/L	1	7/13/2011
Bis(2-Ethylhexyl)Phthalate	ND	2.02	H	µg/L	1	7/13/2011
Carbazole	ND	6.30	H	µg/L	1	7/13/2011
Chrysene	ND	0.0630	H	µg/L	1	7/13/2011
Dibenz(a,h)Anthracene	ND	0.0126	H	µg/L	1	7/13/2011
Dibenzofuran	ND	6.30	H	µg/L	1	7/13/2011
Diethyl Phthalate	ND	6.30	H	µg/L	1	7/13/2011
Dimethyl Phthalate	ND	6.30	H	µg/L	1	7/13/2011
Di-n-Butyl Phthalate	ND	6.30	H	µg/L	1	7/13/2011
Di-n-Octyl Phthalate	ND	6.30	H	µg/L	1	7/13/2011
Fluoranthene	ND	6.30	H	µg/L	1	7/13/2011
Fluorene	ND	6.30	H	µg/L	1	7/13/2011
Hexachlorobenzene	ND	0.0756	H	µg/L	1	7/13/2011
Hexachlorobutadiene	ND	6.30	H	µg/L	1	7/13/2011
Hexachlorocyclopentadiene	ND	6.30	H	µg/L	1	7/13/2011
Hexachloroethane	ND	3.02	H	µg/L	1	7/13/2011
Indeno(1,2,3-cd)Pyrene	ND	0.0630	H	µg/L	1	7/13/2011
Isophorone	ND	6.30	H	µg/L	1	7/13/2011
Naphthalene	ND	6.30	H	µg/L	1	7/13/2011
Nitrobenzene	ND	6.30	H	µg/L	1	7/13/2011
N-Nitrosodimethylamine	ND	6.30	H	µg/L	1	7/13/2011
N-Nitrosodi-n-Propylamine	ND	6.30	H	µg/L	1	7/13/2011
N-Nitrosodiphenylamine	ND	6.30	H	µg/L	1	7/13/2011
Pentachlorophenol	*1.30*	1.01	H	µg/L	1	7/13/2011
Phenanthrene	ND	0.0630	H	µg/L	1	7/13/2011
Phenol	ND	12.6	H	µg/L	1	7/13/2011
Pyrene	ND	6.30	H	µg/L	1	7/13/2011
Pyridine	ND	6.30	H	µg/L	1	7/13/2011
Surr: 2,4,6-Tribromophenol	24.0	15-110	H	%REC	1	7/13/2011
Surr: 2-Fluorobiphenyl	71.0	30-130	H	%REC	1	7/13/2011
Surr: 2-Fluorophenol	9.90	15-110	SH	%REC	1	7/13/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-1
Lab Order:	1107035	Collection Date:	6/29/2011 2:00:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-006	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Surr: Nitrobenzene-d5	79.0	30-130	H	%REC	1	7/13/2011
Surr: Phenol-d6	7.60	15-110	SH	%REC	1	7/13/2011
Surr: Terphenyl-d14	104	30-130	H	%REC	1	7/13/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:				
	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-2D
Lab Order:	1107035	Collection Date:	6/29/2011 2:15:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-007	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
1,2,4-Trichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,2-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,3-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,4-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
2,4,5-Trichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4,6-Trichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dimethylphenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dinitrophenol	ND	50.0	H	µg/L	1	7/9/2011
2,4-Dinitrotoluene	ND	5.00	H	µg/L	1	7/9/2011
2,6-Dinitrotoluene	ND	5.00	H	µg/L	1	7/9/2011
2-Chloronaphthalene	ND	5.00	H	µg/L	1	7/9/2011
2-Chlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2-Methylnaphthalene	ND	5.00	H	µg/L	1	7/9/2011
2-Methylphenol	ND	10.0	H	µg/L	1	7/9/2011
2-Nitroaniline	ND	50.0	H	µg/L	1	7/9/2011
2-Nitrophenol	ND	10.0	H	µg/L	1	7/9/2011
3,3'-Dichlorobenzidine	ND	50.0	H	µg/L	1	7/9/2011
3-Methylphenol/4-Methylphenol	ND	10.0	H	µg/L	1	7/9/2011
3-Nitroaniline	ND	50.0	H	µg/L	1	7/9/2011
4,6-Dinitro-2-Methylphenol	ND	50.0	H	µg/L	1	7/9/2011
4-Bromophenyl Phenyl Ether	ND	5.00	H	µg/L	1	7/9/2011
4-Chloro-3-Methylphenol	ND	20.0	H	µg/L	1	7/9/2011
4-Chloroaniline	ND	20.0	H	µg/L	1	7/9/2011
4-Chlorophenyl Phenyl Ether	ND	5.00	H	µg/L	1	7/9/2011
4-Nitroaniline	ND	20.0	H	µg/L	1	7/9/2011
4-Nitrophenol	ND	50.0	H	µg/L	1	7/9/2011
Acenaphthene	ND	0.0500	H	µg/L	1	7/9/2011
Acenaphthylene	ND	0.0500	H	µg/L	1	7/9/2011
Acetophenone	ND	5.00	H	µg/L	1	7/9/2011
Aniline	ND	10.0	H	µg/L	1	7/9/2011
Anthracene	ND	5.00	H	µg/L	1	7/9/2011
Azobenzene	ND	5.00	H	µg/L	1	7/9/2011
Benz(a)Anthracene	ND	0.0400	H	µg/L	1	7/9/2011
Benzidine	ND	5.00	H	µg/L	1	7/9/2011
Benzo(a)Pyrene	ND	0.0500	H	µg/L	1	7/9/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-2D
Lab Order:	1107035	Collection Date:	6/29/2011 2:15:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-007	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Benzo(b)Fluoranthene	ND	0.0500	H	µg/L	1	7/9/2011
Benzo(g,h,i)Perylene	ND	3.00	H	µg/L	1	7/9/2011
Benzo(k)Fluoranthene	ND	0.0500	H	µg/L	1	7/9/2011
Bis(2-Chloroethoxy)Methane	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Chloroethyl)Ether	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Chloroisopropyl)Ether	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Ethylhexyl)Phthalate	ND	1.60	H	µg/L	1	7/9/2011
Carbazole	ND	5.00	H	µg/L	1	7/9/2011
Chrysene	ND	0.0500	H	µg/L	1	7/9/2011
Dibenz(a,h)Anthracene	ND	0.0100	H	µg/L	1	7/9/2011
Dibenzofuran	ND	5.00	H	µg/L	1	7/9/2011
Diethyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Dimethyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Di-n-Butyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Di-n-Octyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Fluoranthene	ND	5.00	H	µg/L	1	7/9/2011
Fluorene	ND	5.00	H	µg/L	1	7/9/2011
Hexachlorobenzene	ND	0.0600	H	µg/L	1	7/9/2011
Hexachlorobutadiene	ND	5.00	H	µg/L	1	7/9/2011
Hexachlorocyclopentadiene	ND	5.00	H	µg/L	1	7/9/2011
Hexachloroethane	ND	2.40	H	µg/L	1	7/9/2011
Indeno(1,2,3-cd)Pyrene	ND	0.0500	H	µg/L	1	7/9/2011
Isophorone	ND	5.00	H	µg/L	1	7/9/2011
Naphthalene	ND	5.00	H	µg/L	1	7/9/2011
Nitrobenzene	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodimethylamine	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodi-n-Propylamine	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodiphenylamine	ND	5.00	H	µg/L	1	7/9/2011
Pentachlorophenol	ND	0.800	H	µg/L	1	7/9/2011
Phenanthrene	ND	0.0500	H	µg/L	1	7/9/2011
Phenol	ND	10.0	H	µg/L	1	7/9/2011
Pyrene	ND	5.00	H	µg/L	1	7/9/2011
Pyridine	ND	5.00	H	µg/L	1	7/9/2011
Surr: 2,4,6-Tribromophenol	81.0	15-110	H	%REC	1	7/9/2011
Surr: 2-Fluorobiphenyl	74.0	30-130	H	%REC	1	7/9/2011
Surr: 2-Fluorophenol	44.0	15-110	H	%REC	1	7/9/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-2D
Lab Order:	1107035	**Collection Date:**	6/29/2011 2:15:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-007	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: **SUB**
Prep Method:		Prep Date:				
Surr: Nitrobenzene-d5	76.0	30-130	H	%REC	1	7/9/2011
Surr: Phenol-d6	51.0	15-110	H	%REC	1	7/9/2011
Surr: Terphenyl-d14	91.0	30-130	H	%REC	1	7/9/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-3
Lab Order:	1107035	Collection Date:	6/29/2011 3:00:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-008	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
1,2,4-Trichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,2-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,3-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
1,4-Dichlorobenzene	ND	5.00	H	µg/L	1	7/9/2011
2,4,5-Trichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4,6-Trichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dichlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dimethylphenol	ND	10.0	H	µg/L	1	7/9/2011
2,4-Dinitrophenol	ND	50.0	H	µg/L	1	7/9/2011
2,4-Dinitrotoluene	ND	5.00	H	µg/L	1	7/9/2011
2,6-Dinitrotoluene	ND	5.00	H	µg/L	1	7/9/2011
2-Chloronaphthalene	ND	5.00	H	µg/L	1	7/9/2011
2-Chlorophenol	ND	10.0	H	µg/L	1	7/9/2011
2-Methylnaphthalene	ND	5.00	H	µg/L	1	7/9/2011
2-Methylphenol	ND	10.0	H	µg/L	1	7/9/2011
2-Nitroaniline	ND	50.0	H	µg/L	1	7/9/2011
2-Nitrophenol	ND	10.0	H	µg/L	1	7/9/2011
3,3'-Dichlorobenzidine	ND	50.0	H	µg/L	1	7/9/2011
3-Methylphenol/4-Methylphenol	ND	10.0	H	µg/L	1	7/9/2011
3-Nitroaniline	ND	50.0	H	µg/L	1	7/9/2011
4,6-Dinitro-2-Methylphenol	ND	50.0	H	µg/L	1	7/9/2011
4-Bromophenyl Phenyl Ether	ND	5.00	H	µg/L	1	7/9/2011
4-Chloro-3-Methylphenol	ND	20.0	H	µg/L	1	7/9/2011
4-Chloroaniline	ND	20.0	H	µg/L	1	7/9/2011
4-Chlorophenyl Phenyl Ether	ND	5.00	H	µg/L	1	7/9/2011
4-Nitroaniline	ND	20.0	H	µg/L	1	7/9/2011
4-Nitrophenol	ND	50.0	H	µg/L	1	7/9/2011
Acenaphthene	ND	0.0500	H	µg/L	1	7/9/2011
Acenaphthylene	ND	0.0500	H	µg/L	1	7/9/2011
Acetophenone	ND	5.00	H	µg/L	1	7/9/2011
Aniline	ND	10.0	H	µg/L	1	7/9/2011
Anthracene	ND	5.00	H	µg/L	1	7/9/2011
Azobenzene	ND	5.00	H	µg/L	1	7/9/2011
Benz(a)Anthracene	ND	0.0400	H	µg/L	1	7/9/2011
Benzidine	ND	5.00	H	µg/L	1	7/9/2011
Benzo(a)Pyrene	ND	0.0500	H	µg/L	1	7/9/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-3
Lab Order:	1107035	Collection Date:	6/29/2011 3:00:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-008	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Benzo(b)Fluoranthene	ND	0.0500	H	µg/L	1	7/9/2011
Benzo(g,h,i)Perylene	ND	3.00	H	µg/L	1	7/9/2011
Benzo(k)Fluoranthene	ND	0.0500	H	µg/L	1	7/9/2011
Bis(2-Chloroethoxy)Methane	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Chloroethyl)Ether	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Chloroisopropyl)Ether	ND	5.00	H	µg/L	1	7/9/2011
Bis(2-Ethylhexyl)Phthalate	ND	1.60	H	µg/L	1	7/9/2011
Carbazole	ND	5.00	H	µg/L	1	7/9/2011
Chrysene	ND	0.0500	H	µg/L	1	7/9/2011
Dibenz(a,h)Anthracene	ND	0.0100	H	µg/L	1	7/9/2011
Dibenzofuran	ND	5.00	H	µg/L	1	7/9/2011
Diethyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Dimethyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Di-n-Butyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Di-n-Octyl Phthalate	ND	5.00	H	µg/L	1	7/9/2011
Fluoranthene	ND	5.00	H	µg/L	1	7/9/2011
Fluorene	ND	5.00	H	µg/L	1	7/9/2011
Hexachlorobenzene	ND	0.0600	H	µg/L	1	7/9/2011
Hexachlorobutadiene	ND	5.00	H	µg/L	1	7/9/2011
Hexachlorocyclopentadiene	ND	5.00	H	µg/L	1	7/9/2011
Hexachloroethane	ND	2.40	H	µg/L	1	7/9/2011
Indeno(1,2,3-cd)Pyrene	ND	0.0500	H	µg/L	1	7/9/2011
Isophorone	ND	5.00	H	µg/L	1	7/9/2011
Naphthalene	ND	5.00	H	µg/L	1	7/9/2011
Nitrobenzene	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodimethylamine	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodi-n-Propylamine	ND	5.00	H	µg/L	1	7/9/2011
N-Nitrosodiphenylamine	ND	5.00	H	µg/L	1	7/9/2011
Pentachlorophenol	ND	0.800	H	µg/L	1	7/9/2011
Phenanthrene	ND	0.0500	H	µg/L	1	7/9/2011
Phenol	ND	10.0	H	µg/L	1	7/9/2011
Pyrene	ND	5.00	H	µg/L	1	7/9/2011
Pyridine	ND	5.00	H	µg/L	1	7/9/2011
Surr: 2,4,6-Tribromophenol	103	15-110	H	%REC	1	7/9/2011
Surr: 2-Fluorobiphenyl	73.0	30-130	H	%REC	1	7/9/2011
Surr: 2-Fluorophenol	67.0	15-110	H	%REC	1	7/9/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-3
Lab Order:	1107035	**Collection Date:**	6/29/2011 3:00:00 PM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-008	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: **SUB**
Prep Method:		**Prep Date:**				
Surr: Nitrobenzene-d5	75.0	30-130	H	%REC	1	7/9/2011
Surr: Phenol-d6	72.0	15-110	H	%REC	1	7/9/2011
Surr: Terphenyl-d14	89.0	30-130	H	%REC	1	7/9/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-4
Lab Order:	1107035	Collection Date:	6/29/2011 3:30:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-009	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
1,2,4-Trichlorobenzene	ND	16.0		µg/L	1	7/9/2011
1,2-Dichlorobenzene	ND	16.0		µg/L	1	7/9/2011
1,3-Dichlorobenzene	ND	16.0		µg/L	1	7/9/2011
1,4-Dichlorobenzene	ND	16.0		µg/L	1	7/9/2011
2,4,5-Trichlorophenol	ND	32.0		µg/L	1	7/9/2011
2,4,6-Trichlorophenol	ND	32.0		µg/L	1	7/9/2011
2,4-Dichlorophenol	ND	32.0		µg/L	1	7/9/2011
2,4-Dimethylphenol	ND	32.0		µg/L	1	7/9/2011
2,4-Dinitrophenol	ND	160		µg/L	1	7/9/2011
2,4-Dinitrotoluene	ND	16.0		µg/L	1	7/9/2011
2,6-Dinitrotoluene	ND	16.0		µg/L	1	7/9/2011
2-Chloronaphthalene	ND	16.0		µg/L	1	7/9/2011
2-Chlorophenol	ND	32.0		µg/L	1	7/9/2011
2-Methylnaphthalene	ND	16.0		µg/L	1	7/9/2011
2-Methylphenol	ND	32.0		µg/L	1	7/9/2011
2-Nitroaniline	ND	160		µg/L	1	7/9/2011
2-Nitrophenol	ND	32.0		µg/L	1	7/9/2011
3,3'-Dichlorobenzidine	ND	160		µg/L	1	7/9/2011
3-Methylphenol/4-Methylphenol	ND	32.0		µg/L	1	7/9/2011
3-Nitroaniline	ND	160		µg/L	1	7/9/2011
4,6-Dinitro-2-Methylphenol	ND	160		µg/L	1	7/9/2011
4-Bromophenyl Phenyl Ether	ND	16.0		µg/L	1	7/9/2011
4-Chloro-3-Methylphenol	ND	64.0		µg/L	1	7/9/2011
4-Chloroaniline	ND	64.0		µg/L	1	7/9/2011
4-Chlorophenyl Phenyl Ether	ND	16.0		µg/L	1	7/9/2011
4-Nitroaniline	ND	64.0		µg/L	1	7/9/2011
4-Nitrophenol	ND	160		µg/L	1	7/9/2011
Acenaphthene	ND	0.160		µg/L	1	7/9/2011
Acenaphthylene	ND	0.160		µg/L	1	7/9/2011
Acetophenone	ND	16.0		µg/L	1	7/9/2011
Aniline	ND	32.0		µg/L	1	7/9/2011
Anthracene	ND	16.0		µg/L	1	7/9/2011
Azobenzene	ND	16.0		µg/L	1	7/9/2011
Benz(a)Anthracene	ND	0.128		µg/L	1	7/9/2011
Benzidine	ND	16.0		µg/L	1	7/9/2011
Benzo(a)Pyrene	ND	0.160		µg/L	1	7/9/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-4
Lab Order:	1107035	Collection Date:	6/29/2011 3:30:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-009	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Benzo(b)Fluoranthene	ND	0.160		µg/L	1	7/9/2011
Benzo(g,h,i)Perylene	ND	9.60		µg/L	1	7/9/2011
Benzo(k)Fluoranthene	ND	0.160		µg/L	1	7/9/2011
Bis(2-Chloroethoxy)Methane	ND	16.0		µg/L	1	7/9/2011
Bis(2-Chloroethyl)Ether	ND	16.0		µg/L	1	7/9/2011
Bis(2-Chloroisopropyl)Ether	ND	16.0		µg/L	1	7/9/2011
Bis(2-Ethylhexyl)Phthalate	ND	5.12		µg/L	1	7/9/2011
Carbazole	ND	16.0		µg/L	1	7/9/2011
Chrysene	ND	0.160		µg/L	1	7/9/2011
Dibenz(a,h)Anthracene	ND	0.0320		µg/L	1	7/9/2011
Dibenzofuran	ND	16.0		µg/L	1	7/9/2011
Diethyl Phthalate	ND	16.0		µg/L	1	7/9/2011
Dimethyl Phthalate	ND	16.0		µg/L	1	7/9/2011
Di-n-Butyl Phthalate	ND	16.0		µg/L	1	7/9/2011
Di-n-Octyl Phthalate	ND	16.0		µg/L	1	7/9/2011
Fluoranthene	ND	16.0		µg/L	1	7/9/2011
Fluorene	ND	16.0		µg/L	1	7/9/2011
Hexachlorobenzene	ND	0.192		µg/L	1	7/9/2011
Hexachlorobutadiene	ND	16.0		µg/L	1	7/9/2011
Hexachlorocyclopentadiene	ND	16.0		µg/L	1	7/9/2011
Hexachloroethane	ND	7.68		µg/L	1	7/9/2011
Indeno(1,2,3-cd)Pyrene	ND	0.160		µg/L	1	7/9/2011
Isophorone	ND	16.0		µg/L	1	7/9/2011
Naphthalene	ND	16.0		µg/L	1	7/9/2011
Nitrobenzene	ND	16.0		µg/L	1	7/9/2011
N-Nitrosodimethylamine	ND	16.0		µg/L	1	7/9/2011
N-Nitrosodi-n-Propylamine	ND	16.0		µg/L	1	7/9/2011
N-Nitrosodiphenylamine	ND	16.0		µg/L	1	7/9/2011
Pentachlorophenol	ND	2.56		µg/L	1	7/9/2011
Phenanthrene	ND	0.160		µg/L	1	7/9/2011
Phenol	ND	32.0		µg/L	1	7/9/2011
Pyrene	ND	16.0		µg/L	1	7/9/2011
Pyridine	ND	16.0		µg/L	1	7/9/2011
Surr: 2,4,6-Tribromophenol	58.0	15-110		%REC	1	7/9/2011
Surr: 2-Fluorobiphenyl	66.0	30-130		%REC	1	7/9/2011
Surr: 2-Fluorophenol	15.0	15-110		%REC	1	7/9/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-4
Lab Order:	1107035	Collection Date:	6/29/2011 3:30:00 PM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-009	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:			Prep Date:			
Surr: Nitrobenzene-d5	71.0	30-130		%REC	1	7/9/2011
Surr: Phenol-d6	21.0	15-110		%REC	1	7/9/2011
Surr: Terphenyl-d14	83.0	30-130		%REC	1	7/9/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-5
Lab Order:	1107035	Collection Date:	7/5/2011 11:00:00 AM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-010	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	7/9/2011
1,2-Dichlorobenzene	ND	5.00		µg/L	1	7/9/2011
1,3-Dichlorobenzene	ND	5.00		µg/L	1	7/9/2011
1,4-Dichlorobenzene	ND	5.00		µg/L	1	7/9/2011
2,4,5-Trichlorophenol	ND	10.0		µg/L	1	7/9/2011
2,4,6-Trichlorophenol	ND	10.0		µg/L	1	7/9/2011
2,4-Dichlorophenol	ND	10.0		µg/L	1	7/9/2011
2,4-Dimethylphenol	ND	10.0		µg/L	1	7/9/2011
2,4-Dinitrophenol	ND	50.0		µg/L	1	7/9/2011
2,4-Dinitrotoluene	ND	5.00		µg/L	1	7/9/2011
2,6-Dinitrotoluene	ND	5.00		µg/L	1	7/9/2011
2-Chloronaphthalene	ND	5.00		µg/L	1	7/9/2011
2-Chlorophenol	ND	10.0		µg/L	1	7/9/2011
2-Methylnaphthalene	ND	5.00		µg/L	1	7/9/2011
2-Methylphenol	ND	10.0		µg/L	1	7/9/2011
2-Nitroaniline	ND	50.0		µg/L	1	7/9/2011
2-Nitrophenol	ND	10.0		µg/L	1	7/9/2011
3,3'-Dichlorobenzidine	ND	50.0		µg/L	1	7/9/2011
3-Methylphenol/4-Methylphenol	ND	10.0		µg/L	1	7/9/2011
3-Nitroaniline	ND	50.0		µg/L	1	7/9/2011
4,6-Dinitro-2-Methylphenol	ND	50.0		µg/L	1	7/9/2011
4-Bromophenyl Phenyl Ether	ND	5.00		µg/L	1	7/9/2011
4-Chloro-3-Methylphenol	ND	20.0		µg/L	1	7/9/2011
4-Chloroaniline	ND	20.0		µg/L	1	7/9/2011
4-Chlorophenyl Phenyl Ether	ND	5.00		µg/L	1	7/9/2011
4-Nitroaniline	ND	20.0		µg/L	1	7/9/2011
4-Nitrophenol	ND	50.0		µg/L	1	7/9/2011
Acenaphthene	ND	0.0500		µg/L	1	7/9/2011
Acenaphthylene	ND	0.0500		µg/L	1	7/9/2011
Acetophenone	ND	5.00		µg/L	1	7/9/2011
Aniline	ND	10.0		µg/L	1	7/9/2011
Anthracene	ND	5.00		µg/L	1	7/9/2011
Azobenzene	ND	5.00		µg/L	1	7/9/2011
Benz(a)Anthracene	ND	0.0400		µg/L	1	7/9/2011
Benzidine	ND	5.00		µg/L	1	7/9/2011
Benzo(a)Pyrene	ND	0.0500		µg/L	1	7/9/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	W-5
Lab Order:	1107035	**Collection Date:**	7/5/2011 11:00:00 AM
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-010	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		**Prep Date:**				
Benzo(b)Fluoranthene	ND	0.0500		µg/L	1	7/9/2011
Benzo(g,h,i)Perylene	ND	3.00		µg/L	1	7/9/2011
Benzo(k)Fluoranthene	ND	0.0500		µg/L	1	7/9/2011
Bis(2-Chloroethoxy)Methane	ND	5.00		µg/L	1	7/9/2011
Bis(2-Chloroethyl)Ether	ND	5.00		µg/L	1	7/9/2011
Bis(2-Chloroisopropyl)Ether	ND	5.00		µg/L	1	7/9/2011
Bis(2-Ethylhexyl)Phthalate	ND	1.60		µg/L	1	7/9/2011
Carbazole	ND	5.00		µg/L	1	7/9/2011
Chrysene	ND	0.0500		µg/L	1	7/9/2011
Dibenz(a,h)Anthracene	ND	0.0100		µg/L	1	7/9/2011
Dibenzofuran	ND	5.00		µg/L	1	7/9/2011
Diethyl Phthalate	ND	5.00		µg/L	1	7/9/2011
Dimethyl Phthalate	ND	5.00		µg/L	1	7/9/2011
Di-n-Butyl Phthalate	ND	5.00		µg/L	1	7/9/2011
Di-n-Octyl Phthalate	ND	5.00		µg/L	1	7/9/2011
Fluoranthene	ND	5.00		µg/L	1	7/9/2011
Fluorene	ND	5.00		µg/L	1	7/9/2011
Hexachlorobenzene	ND	0.0600		µg/L	1	7/9/2011
Hexachlorobutadiene	ND	5.00		µg/L	1	7/9/2011
Hexachlorocyclopentadiene	ND	5.00		µg/L	1	7/9/2011
Hexachloroethane	ND	2.40		µg/L	1	7/9/2011
Indeno(1,2,3-cd)Pyrene	ND	0.0500		µg/L	1	7/9/2011
Isophorone	ND	5.00		µg/L	1	7/9/2011
Naphthalene	ND	5.00		µg/L	1	7/9/2011
Nitrobenzene	ND	5.00		µg/L	1	7/9/2011
N-Nitrosodimethylamine	ND	5.00		µg/L	1	7/9/2011
N-Nitrosodi-n-Propylamine	ND	5.00		µg/L	1	7/9/2011
N-Nitrosodiphenylamine	ND	5.00		µg/L	1	7/9/2011
Pentachlorophenol	ND	0.800		µg/L	1	7/9/2011
Phenanthrene	ND	0.0500		µg/L	1	7/9/2011
Phenol	ND	10.0		µg/L	1	7/9/2011
Pyrene	ND	5.00		µg/L	1	7/9/2011
Pyridine	ND	5.00		µg/L	1	7/9/2011
Surr: 2,4,6-Tribromophenol	110	15-110		%REC	1	7/9/2011
Surr: 2-Fluorobiphenyl	77.0	30-130		%REC	1	7/9/2011
Surr: 2-Fluorophenol	82.0	15-110		%REC	1	7/9/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	W-5
Lab Order:	1107035	Collection Date:	7/5/2011 11:00:00 AM
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-010	Matrix:	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Surr: Nitrobenzene-d5	76.0	30-130		%REC	1	7/9/2011
Surr: Phenol-d6	81.0	15-110		%REC	1	7/9/2011
Surr: Terphenyl-d14	88.0	30-130		%REC	1	7/9/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:				
	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	Trip Blank
Lab Order:	1107035	Collection Date:	
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-011	Matrix:	TRIP BLANK

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS - E601/624						Analyst: SUB
Prep Method:		Prep Date:				
1,1,1-Trichloroethane	ND	1.00		µg/L	1	7/7/2011
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/7/2011
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/7/2011
1,1-Dichloroethane	ND	1.00		µg/L	1	7/7/2011
1,1-Dichloroethene	ND	1.00		µg/L	1	7/7/2011
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/7/2011
1,2-Dichloroethane	ND	1.00		µg/L	1	7/7/2011
1,2-Dichloropropane	ND	1.00		µg/L	1	7/7/2011
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/7/2011
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/7/2011
Bromodichloromethane	ND	1.00		µg/L	1	7/7/2011
Bromoform	ND	1.00		µg/L	1	7/7/2011
Bromomethane	ND	1.00		µg/L	1	7/7/2011
Carbon Tetrachloride	ND	1.00		µg/L	1	7/7/2011
Chlorobenzene	ND	1.00		µg/L	1	7/7/2011
Chloroethane	ND	1.00		µg/L	1	7/7/2011
Chloroform	ND	1.00		µg/L	1	7/7/2011
Chloromethane	ND	1.00		µg/L	1	7/7/2011
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/7/2011
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/7/2011
Dibromochloromethane	ND	1.00		µg/L	1	7/7/2011
Dichlorodifluoromethane	ND	1.00		µg/L	1	7/7/2011
Methylene Chloride	ND	1.00		µg/L	1	7/7/2011
Tetrachloroethene	ND	1.00		µg/L	1	7/7/2011
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/7/2011
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/7/2011
Trichloroethene	ND	1.00		µg/L	1	7/7/2011
Trichlorofluoromethane	ND	1.00		µg/L	1	7/7/2011
Vinyl Chloride	ND	1.00		µg/L	1	7/7/2011
Surr: 1,2-Dichlorobenzene-d4	98.0	70-130		%REC	1	7/7/2011
Surr: Bromofluorobenzene	90.0	70-130		%REC	1	7/7/2011
Surr: Dibromofluoromethane	97.0	70-130		%REC	1	7/7/2011
Surr: Toluene-d8	100	70-130		%REC	1	7/7/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:				
	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	1107035	**Collection Date:**	
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-011	**Matrix:**	TRIP BLANK

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: **SUB**
Prep Method:		**Prep Date:**				
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	7/7/2011
1,2-Dichlorobenzene	ND	5.00		µg/L	1	7/7/2011
1,3-Dichlorobenzene	ND	5.00		µg/L	1	7/7/2011
1,4-Dichlorobenzene	ND	5.00		µg/L	1	7/7/2011
2,4,5-Trichlorophenol	ND	10.0		µg/L	1	7/7/2011
2,4,6-Trichlorophenol	ND	10.0		µg/L	1	7/7/2011
2,4-Dichlorophenol	ND	10.0		µg/L	1	7/7/2011
2,4-Dimethylphenol	ND	10.0		µg/L	1	7/7/2011
2,4-Dinitrophenol	ND	50.0		µg/L	1	7/7/2011
2,4-Dinitrotoluene	ND	5.00		µg/L	1	7/7/2011
2,6-Dinitrotoluene	ND	5.00		µg/L	1	7/7/2011
2-Chloronaphthalene	ND	5.00		µg/L	1	7/7/2011
2-Chlorophenol	ND	10.0		µg/L	1	7/7/2011
2-Methylnaphthalene	ND	5.00		µg/L	1	7/7/2011
2-Methylphenol	ND	10.0		µg/L	1	7/7/2011
2-Nitroaniline	ND	50.0		µg/L	1	7/7/2011
2-Nitrophenol	ND	10.0		µg/L	1	7/7/2011
3,3'-Dichlorobenzidine	ND	50.0		µg/L	1	7/7/2011
3-Methylphenol/4-Methylphenol	ND	10.0		µg/L	1	7/7/2011
3-Nitroaniline	ND	50.0		µg/L	1	7/7/2011
4,6-Dinitro-2-Methylphenol	ND	50.0		µg/L	1	7/7/2011
4-Bromophenyl Phenyl Ether	ND	5.00		µg/L	1	7/7/2011
4-Chloro-3-Methylphenol	ND	20.0		µg/L	1	7/7/2011
4-Chloroaniline	ND	20.0		µg/L	1	7/7/2011
4-Chlorophenyl Phenyl Ether	ND	5.00		µg/L	1	7/7/2011
4-Nitroaniline	ND	20.0		µg/L	1	7/7/2011
4-Nitrophenol	ND	50.0		µg/L	1	7/7/2011
Acenaphthene	ND	0.0500		µg/L	1	7/7/2011
Acenaphthylene	ND	0.0500		µg/L	1	7/7/2011
Acetophenone	ND	5.00		µg/L	1	7/7/2011
Aniline	ND	10.0		µg/L	1	7/7/2011
Anthracene	ND	5.00		µg/L	1	7/7/2011
Azobenzene	ND	5.00		µg/L	1	7/7/2011
Benz(a)Anthracene	ND	0.0400		µg/L	1	7/7/2011
Benzidine	ND	5.00		µg/L	1	7/7/2011
Benzo(a)Pyrene	ND	0.0500		µg/L	1	7/7/2011

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 15-Jul-11

CLIENT:	World Resources, Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	1107035	**Collection Date:**	
Project:	10749	**Date Received:**	7/7/2011
Lab ID:	1107035-011	**Matrix:**	TRIP BLANK

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:		Prep Date:				
Benzo(b)Fluoranthene	ND	0.0500		µg/L	1	7/7/2011
Benzo(g,h,i)Perylene	ND	3.00		µg/L	1	7/7/2011
Benzo(k)Fluoranthene	ND	0.0500		µg/L	1	7/7/2011
Bis(2-Chloroethoxy)Methane	ND	5.00		µg/L	1	7/7/2011
Bis(2-Chloroethyl)Ether	ND	5.00		µg/L	1	7/7/2011
Bis(2-Chloroisopropyl)Ether	ND	5.00		µg/L	1	7/7/2011
Bis(2-Ethylhexyl)Phthalate	ND	1.60		µg/L	1	7/7/2011
Carbazole	ND	5.00		µg/L	1	7/7/2011
Chrysene	ND	0.0500		µg/L	1	7/7/2011
Dibenz(a,h)Anthracene	ND	0.0100		µg/L	1	7/7/2011
Dibenzofuran	ND	5.00		µg/L	1	7/7/2011
Diethyl Phthalate	ND	5.00		µg/L	1	7/7/2011
Dimethyl Phthalate	ND	5.00		µg/L	1	7/7/2011
Di-n-Butyl Phthalate	ND	5.00		µg/L	1	7/7/2011
Di-n-Octyl Phthalate	ND	5.00		µg/L	1	7/7/2011
Fluoranthene	ND	5.00		µg/L	1	7/7/2011
Fluorene	ND	5.00		µg/L	1	7/7/2011
Hexachlorobenzene	ND	0.0600		µg/L	1	7/7/2011
Hexachlorobutadiene	ND	5.00		µg/L	1	7/7/2011
Hexachlorocyclopentadiene	ND	5.00		µg/L	1	7/7/2011
Hexachloroethane	ND	2.40		µg/L	1	7/7/2011
Indeno(1,2,3-cd)Pyrene	ND	0.0500		µg/L	1	7/7/2011
Isophorone	ND	5.00		µg/L	1	7/7/2011
Naphthalene	ND	5.00		µg/L	1	7/7/2011
Nitrobenzene	ND	5.00		µg/L	1	7/7/2011
N-Nitrosodimethylamine	ND	5.00		µg/L	1	7/7/2011
N-Nitrosodi-n-Propylamine	ND	5.00		µg/L	1	7/7/2011
N-Nitrosodiphenylamine	ND	5.00		µg/L	1	7/7/2011
Pentachlorophenol	ND	0.800		µg/L	1	7/7/2011
Phenanthrene	ND	0.0500		µg/L	1	7/7/2011
Phenol	ND	10.0		µg/L	1	7/7/2011
Pyrene	ND	5.00		µg/L	1	7/7/2011
Pyridine	ND	5.00		µg/L	1	7/7/2011
Surr: 2,4,6-Tribromophenol	107	15-110		%REC	1	7/7/2011
Surr: 2-Fluorobiphenyl	71.0	30-130		%REC	1	7/7/2011
Surr: 2-Fluorophenol	75.0	15-110		%REC	1	7/7/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 15-Jul-11

CLIENT:	World Resources, Inc.	Client Sample ID:	Trip Blank
Lab Order:	1107035	Collection Date:	
Project:	10749	Date Received:	7/7/2011
Lab ID:	1107035-011	Matrix:	TRIP BLANK

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS - SW8270C						Analyst: SUB
Prep Method:			Prep Date:			
Surr: Nitrobenzene-d5	71.0	30-130		%REC	1	7/7/2011
Surr: Phenol-d6	76.0	15-110		%REC	1	7/7/2011
Surr: Terphenyl-d14	87.0	30-130		%REC	1	7/7/2011

NOTES:

Sample was analyzed by Phoenix Environmental Laboratories, PA #68-03530.

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *15-Jul-11*

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 601_W

Sample ID: LCS | SampType: LCS | TestCode: 601_W | Units: µg/L | Prep Date: | RunNo: 41682
Client ID: ZZZZZ | Batch ID: R41682 | TestNo: E601 | Analysis Date: 7/8/2011 | SeqNo: 475038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	85.00	1.00	100	0	85.0	70	130				
1,1,2,2-Tetrachloroethane	91.00	1.00	100	0	91.0	70	130				
1,1,2-Trichloroethane	93.00	1.00	100	0	93.0	70	130				
1,1-Dichloroethane	94.00	1.00	100	0	94.0	70	130				
1,1-Dichloroethene	79.00	1.00	100	0	79.0	70	130				
1,2-Dichlorobenzene	95.00	1.00	100	0	95.0	70	130				
1,2-Dichloroethane	90.00	1.00	100	0	90.0	70	130				
1,2-Dichloropropane	86.00	1.00	100	0	86.0	70	130				
1,3-Dichlorobenzene	93.00	1.00	100	0	93.0	70	130				
1,4-Dichlorobenzene	91.00	1.00	100	0	91.0	70	130				
Bromodichloromethane	91.00	1.00	100	0	91.0	70	130				
Bromoform	93.00	1.00	100	0	93.0	70	130				
Bromomethane	89.00	1.00	100	0	89.0	70	130				
Carbon Tetrachloride	88.00	1.00	100	0	88.0	70	130				
Chlorobenzene	90.00	1.00	100	0	90.0	70	130				
Chloroethane	85.00	1.00	100	0	85.0	70	130				
Chloroform	86.00	1.00	100	0	86.0	70	130				
Chloromethane	69.00	1.00	100	0	69.0	70	130				S
cis-1,2-Dichloroethene	100.0	1.00	100	0	100	70	130				
cis-1,3-Dichloropropene	89.00	1.00	100	0	89.0	70	130				
Dibromochloromethane	87.00	1.00	100	0	87.0	70	130				
Dichlorodifluoromethane	67.00	1.00	100	0	67.0	70	130				S
Methylene Chloride	73.00	1.00	100	0	73.0	70	130				
Tetrachloroethene	82.00	1.00	100	0	82.0	70	130				
trans-1,2-Dichloroethene	83.00	1.00	100	0	83.0	70	130				
trans-1,3-Dichloropropene	96.00	1.00	100	0	96.0	70	130				

Qualifiers:
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 601_W

Sample ID: LCS	SampType: LCS	TestCode: 601_W	Units: µg/L	Prep Date:	RunNo: 41682
Client ID: ZZZZZ	Batch ID: R41682	TestNo: E601		Analysis Date: 7/8/2011	SeqNo: 475038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	86.00	1.00	100	0	86.0	70	130				
Trichlorofluoromethane	82.00	1.00	100	0	82.0	70	130				
Vinyl Chloride	80.00	1.00	100	0	80.0	70	130				
Surr: 1,2-Dichlorobenzene-d4	104.0	0	100	0	104	70	130				
Surr: Bromofluorobenzene	97.00	0	100	0	97.0	70	130				
Surr: Dibromofluoromethane	101.0	0	100	0	101	70	130				
Surr: Toluene-d8	99.00	0	100	0	99.0	70	130				

Qualifiers:
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: MB | SampType: MBLK | TestCode: 8270_w_sub | Units: µg/L | Prep Date: | RunNo: 41684
Client ID: ZZZZZ | Batch ID: R41684 | TestNo: SW8270C | Analysis Date: 7/9/2011 | SeqNo: 475045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.00									
1,2-Dichlorobenzene	ND	5.00									
1,3-Dichlorobenzene	ND	5.00									
1,4-Dichlorobenzene	ND	5.00									
2,4,5-Trichlorophenol	ND	10.0									
2,4,6-Trichlorophenol	ND	10.0									
2,4-Dichlorophenol	ND	10.0									
2,4-Dimethylphenol	ND	10.0									
2,4-Dinitrophenol	ND	50.0									
2,4-Dinitrotoluene	ND	5.00									
2,6-Dinitrotoluene	ND	5.00									
2-Chloronaphthalene	ND	5.00									
2-Chlorophenol	ND	10.0									
2-Methylnaphthalene	ND	5.00									
2-Methylphenol	ND	10.0									
2-Nitroaniline	ND	50.0									
2-Nitrophenol	ND	10.0									
3,3'-Dichlorobenzidine	ND	50.0									
3-Methylphenol/4-Methylphenol	ND	10.0									
3-Nitroaniline	ND	50.0									
4,6-Dinitro-2-Methylphenol	ND	50.0									
4-Bromophenyl Phenyl Ether	ND	5.00									
4-Chloro-3-Methylphenol	ND	20.0									
4-Chloroaniline	ND	20.0									
4-Chlorophenyl Phenyl Ether	ND	5.00									
4-Nitroaniline	ND	20.0									
4-Nitrophenol	ND	50.0									
Acenaphthene	ND	0.0500									

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: MB	SampType: MBLK	TestCode: 8270_w_sub	Units: µg/L	Prep Date:	RunNo: 41684
Client ID: ZZZZZ	Batch ID: R41684	TestNo: SW8270C		Analysis Date: 7/9/2011	SeqNo: 475045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	0.0500									
Acetophenone	ND	5.00									
Aniline	ND	10.0									
Anthracene	ND	5.00									
Azobenzene	ND	5.00									
Benz(a)Anthracene	ND	0.0400									
Benzidine	ND	5.00									
Benzo(a)Pyrene	ND	0.0500									
Benzo(b)Fluoranthene	ND	0.0500									
Benzo(g,h,i)Perylene	ND	3.00									
Benzo(k)Fluoranthene	ND	0.0500									
Bis(2-Chloroethoxy)Methane	ND	5.00									
Bis(2-Chloroethyl)Ether	ND	5.00									
Bis(2-Chloroisopropyl)Ether	ND	5.00									
Bis(2-Ethylhexyl)Phthalate	ND	1.60									
Carbazole	ND	5.00									
Chrysene	ND	0.0500									
Dibenz(a,h)Anthracene	ND	0.0100									
Dibenzofuran	ND	5.00									
Diethyl Phthalate	ND	5.00									
Dimethyl Phthalate	ND	5.00									
Di-n-Butyl Phthalate	ND	5.00									
Di-n-Octyl Phthalate	ND	5.00									
Fluoranthene	ND	5.00									
Fluorene	ND	5.00									
Hexachlorobenzene	ND	0.0600									
Hexachlorobutadiene	ND	5.00									
Hexachlorocyclopentadiene	ND	5.00									

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: MB | SampType: MBLK | TestCode: 8270_w_sub | Units: µg/L | Prep Date: | RunNo: 41684
Client ID: ZZZZZ | Batch ID: R41684 | TestNo: SW8270C | Analysis Date: 7/9/2011 | SeqNo: 475045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	2.40									
Indeno(1,2,3-cd)Pyrene	ND	0.0500									
Isophorone	ND	5.00									
Naphthalene	ND	5.00									
Nitrobenzene	ND	5.00									
N-Nitrosodimethylamine	ND	5.00									
N-Nitrosodi-n-Propylamine	ND	5.00									
N-Nitrosodiphenylamine	ND	5.00									
Pentachlorophenol	ND	0.800									
Phenanthrene	ND	0.0500									
Phenol	ND	10.0									
Pyrene	ND	5.00									
Pyridine	ND	5.00									
Surr: 2,4,6-Tribromophenol	92.00	0	100	0	92.0	15	150				
Surr: 2-Fluorobiphenyl	86.00	0	100	0	86.0	30	130				
Surr: 2-Fluorophenol	101.0	0	100	0	101	15	110				
Surr: Nitrobenzene-d5	106.0	0	100	0	106	30	130				
Surr: Phenol-d6	102.0	0	100	0	102	15	110				
Surr: Terphenyl-d14	75.00	0	100	0	75.0	30	130				

Sample ID: LCS | SampType: LCS | TestCode: 8270_w_sub | Units: µg/L | Prep Date: | RunNo: 41684
Client ID: ZZZZZ | Batch ID: R41684 | TestNo: SW8270C | Analysis Date: 7/9/2011 | SeqNo: 475046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	41.00	5.00	100	0	41.0	30	130				
1,2-Dichlorobenzene	48.00	5.00	100	0	48.0	30	130				
1,3-Dichlorobenzene	41.00	5.00	100	0	41.0	30	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: LCS | SampType: LCS | TestCode: 8270_w_sub | Units: µg/L | Prep Date: | RunNo: 41684
Client ID: ZZZZZ | Batch ID: R41684 | TestNo: SW8270C | Analysis Date: 7/9/2011 | SeqNo: 475046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	47.00	5.00	100	0	47.0	30	130				
2,4,5-Trichlorophenol	89.00	10.0	100	0	89.0	30	130				
2,4,6-Trichlorophenol	94.00	10.0	100	0	94.0	30	130				
2,4-Dichlorophenol	86.00	10.0	100	0	86.0	30	130				
2,4-Dimethylphenol	51.00	10.0	100	0	51.0	30	130				
2,4-Dinitrophenol	84.00	50.0	100	0	84.0	30	130				
2,4-Dinitrotoluene	82.00	5.00	100	0	82.0	30	130				
2,6-Dinitrotoluene	85.00	5.00	100	0	85.0	30	130				
2-Chloronaphthalene	55.00	5.00	100	0	55.0	30	130				
2-Chlorophenol	78.00	10.0	100	0	78.0	30	130				
2-Methylnaphthalene	56.00	5.00	100	0	56.0	30	130				
2-Methylphenol	78.00	10.0	100	0	78.0	30	130				
2-Nitroaniline	>150	50.0	100	0	0	30	130				S
2-Nitrophenol	77.00	10.0	100	0	77.0	30	130				
3-Methylphenol/4-Methylphenol	78.00	10.0	100	0	78.0	30	130				
3-Nitroaniline	>150	50.0	100	0	0	30	130				S
4,6-Dinitro-2-Methylphenol	120.0	50.0	100	0	120	30	130				
4-Bromophenyl Phenyl Ether	78.00	5.00	100	0	78.0	30	130				
4-Chloro-3-Methylphenol	89.00	20.0	100	0	89.0	30	130				
4-Chloroaniline	84.00	20.0	100	0	84.0	30	130				
4-Chlorophenyl Phenyl Ether	72.00	5.00	100	0	72.0	30	130				
4-Nitroaniline	88.00	20.0	100	0	88.0	30	130				
4-Nitrophenol	95.00	50.0	100	0	95.0	30	130				
Acenaphthene	71.00	0.0500	100	0	71.0	30	130				
Acenaphthylene	67.00	0.0500	100	0	67.0	30	130				
Acetophenone	76.00	5.00	100	0	76.0	30	130				
Anthracene	89.00	5.00	100	0	89.0	30	130				
Azobenzene	73.00	5.00	100	0	73.0	30	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: LCS | SampType: LCS | TestCode: 8270_w_sub | Units: µg/L | Prep Date: | RunNo: 41684
Client ID: ZZZZZ | Batch ID: R41684 | TestNo: SW8270C | Analysis Date: 7/9/2011 | SeqNo: 475046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)Anthracene	96.00	0.0400	100	0	96.0	30	130				
Benzo(a)Pyrene	88.00	0.0500	100	0	88.0	30	130				
Benzo(b)Fluoranthene	90.00	0.0500	100	0	90.0	30	130				
Benzo(g,h,i)Perylene	90.00	3.00	100	0	90.0	30	130				
Benzo(k)Fluoranthene	87.00	0.0500	100	0	87.0	30	130				
Bis(2-Chloroethoxy)Methane	76.00	5.00	100	0	76.0	30	130				
Bis(2-Chloroethyl)Ether	78.00	5.00	100	0	78.0	30	130				
Bis(2-Chloroisopropyl)Ether	85.00	5.00	100	0	85.0	30	130				
Bis(2-Ethylhexyl)Phthalate	90.00	1.60	100	0	90.0	30	130				
Carbazole	143.0	5.00	100	0	143	30	130				S
Chrysene	87.00	0.0500	100	0	87.0	30	130				
Dibenz(a,h)Anthracene	87.00	0.0100	100	0	87.0	30	130				
Dibenzofuran	70.00	5.00	100	0	70.0	30	130				
Diethyl Phthalate	42.00	5.00	100	0	42.0	30	130				
Dimethyl Phthalate	20.00	5.00	100	0	20.0	30	130				S
Di-n-Butyl Phthalate	81.00	5.00	100	0	81.0	30	130				
Di-n-Octyl Phthalate	90.00	5.00	100	0	90.0	30	130				
Fluoranthene	92.00	5.00	100	0	92.0	30	130				
Fluorene	79.00	5.00	100	0	79.0	30	130				
Hexachlorobenzene	78.00	0.0600	100	0	78.0	30	130				
Hexachlorobutadiene	27.00	5.00	100	0	27.0	30	130				S
Hexachlorocyclopentadiene	<5	5.00	100	0	0	30	130				S
Hexachloroethane	32.00	2.40	100	0	32.0	30	130				
Indeno(1,2,3-cd)Pyrene	88.00	0.0500	100	0	88.0	30	130				
Isophorone	61.00	5.00	100	0	61.0	30	130				
Naphthalene	59.00	5.00	100	0	59.0	30	130				
Nitrobenzene	75.00	5.00	100	0	75.0	30	130				
N-Nitrosodimethylamine	50.00	5.00	100	0	50.0	30	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: World Resources, Inc.
Work Order: 1107035
Project: 10749

TestCode: 8270_w_sub

Sample ID: LCS	SampType: LCS	TestCode: 8270_w_sub	Units: µg/L	Prep Date:	RunNo: 41684
Client ID: ZZZZZ	Batch ID: R41684	TestNo: SW8270C		Analysis Date: 7/9/2011	SeqNo: 475046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-Propylamine	77.00	5.00	100	0	77.0	30	130				
N-Nitrosodiphenylamine	97.00	5.00	100	0	97.0	30	130				
Pentachlorophenol	95.00	0.800	100	0	95.0	30	130				
Phenanthrene	86.00	0.0500	100	0	86.0	30	130				
Phenol	77.00	10.0	100	0	77.0	30	130				
Pyrene	93.00	5.00	100	0	93.0	30	130				
Pyridine	<5	5.00	100	0	0	30	130				S
Surr: 2,4,6-Tribromophenol	80.00	0	100	0	80.0	15	110				
Surr: 2-Fluorobiphenyl	57.00	0	100	0	57.0	30	130				
Surr: 2-Fluorophenol	66.00	0	100	0	66.0	15	110				
Surr: Nitrobenzene-d5	70.00	0	100	0	70.0	30	130				
Surr: Phenol-d6	66.00	0	100	0	66.0	15	110				
Surr: Terphenyl-d14	76.00	0	100	0	76.0	30	130				

Qualifiers:
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

UPS: 1Z W0H 4X8 01 6126 4423

1167035

PAGE OF 2

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / Not Needed / Lab to do
Preservation: Lab to do Y / N

Special Instructions: ok to run 8270 out of hold per Dale DR 7/15

Turnaround: circle one — 1-day, 2-day, 3-day, (5/7-days)

Data Delivery: circle choice (s) — Fax, (email), Format: Excel, (PDF)

Requirements: circle choice (s) — GW-1, S-1, QC, MCP Methods, DEP, Other ____, CT RCP (Reasonable Confidence Protocols), State / Fed Program - Criteria ____

Client: World Resources Company
Address: 170 Walnut Lane, Pottsville, PA 17901
Contact: Dale Schneck

Phone: 570-622-4747
Fax: 570-628-2319
email: dschneck@WRCUSA.net

Project: ~~Bon~~ Groundwater 2011
Project PO: 10749
Invoice to *: Dale Schneck

COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	601	8270							TEMPERATURE	LAB PH
Preserative:																			
6-29-11	14:00	DL	W-1	V	2	GW		X	7035-001	X								1015°	
=	14:15	DL	W-2D	V	2	GW		X	-002	X									
=	15:00	DL	W-3	V	2	GW		X	-003	X									
6-30-11	15:30	DL	W-4	V	2	GW		X	-004	X									
6-30-11	15:45	DL	W-5	V	2	GW		X	-005	X									
6-29-11	14:00	DL	W-1	A	2	GW		X	-006		X								
=	14:15	DL	W-2D	A	2	GW		X	-007		X								
=	15:00	DL	W-3	A	2	GW		X	-008		X								
~~6-30-11~~ 7-5-11	15:30	DL	W-4	A	2	GW		X	-009		X								
7-5-11	11:00	DL	W-5	A	2	GW		X	-010		X								
			trip blank						-011	X	X								

Matrix Codes: GW = Ground Water, DW = Drinking Water, S = Soil, A = Air, WW = Waste Water, SL = Sludge, O = Oil, OT = Other

Received on Ice: ✓

Preservatives: 1 = Hcl, 2 = HNO3, 3 = H2SO4, 4 = Na2S2O3, 5 = NaOH, 6 = MEOH, 7 = Other

Containers: A = Amber, G = Glass, S = Summa, B = Bag, P = Plastic, V = Voa, O = Other

Relinquished by: Dale Schneck — Date / Time 7-6-11 14:00

Received by: Danielle Nor — Date / Time 7/7/11 10:05a via UPS

2010730.J&P.C of CR.09/22/10

* Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.

CT (PH-0148) MA (MA - 015) NH (2508) NJ (MA-009) PA (68-03417) RI (LA000252) ME (MA - 0015)

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

VIA ELECTRONIC MAIL

May 18, 2012

File No. 11-12067A2

Ken Riegel
World Resources Company
170 Walnut Lane
Pottsville, PA 17901

Reference: Limited Phase II Environmental Site Assessment
Tax Parcel Number 20-06-0034-000
Norwegian Township, Schuylkill County, Pennsylvania

Dear Mr. Riegel:

On behalf of World Resources Company (WRC), Gilmore & Associates, Inc. (G&A) has conducted a Limited Phase II Environmental Site Assessment (ESA) of the referenced property.

The objective of the Limited Phase II ESA was to further evaluate the following Recognized Environmental Condition (REC) in G&A's Phase I ESA report.

1. Current and historic industrial operations adjacent to the subject property may have impacted onsite groundwater.

The following summarizes the methods, results, and conclusions of the investigation.

Surface Water Collection

In order to evaluate if groundwater has been impacted on the subject property, two (2) surface water samples were collected at the request of WRC.

On May 14, 2012, G&A collected two (2) surface water samples from the center of the subject property. One (1) sample, identified as S-1, was collected from a seep feeding the unnamed tributary to the West Branch of the Schuylkill River which runs roughly through the center of the subject property. A second surface water sample, identified as S-2, was collected from the historic onsite springhouse, also located in the central portion of the subject property, approximately 150 feet down steam from the seep that is the origin of the unnamed tributary to the West Branch of the Schuylkill River.

G&A submitted these two (2) water samples to Test America, Inc. of King of Prussia, PA, via proper chain of custody procedures, for analysis of the USEPA target compound list (TCL) and target analyte lists (TAL) parameters. These lists include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), poly-chlorinated biphenyl's (PCBs), pesticides, metals, cyanide, and phenols.

Laboratory Analytical Results

Water sample results were compared to Pennsylvania Act 2 residential Statewide Health Standards (SWHS) for used aquifers with total dissolved solids (TDS) less than 2,500 parts per million (ppm). This standard was selected since it is the most stringent standard for screening purposes during due diligence. A summary table of the sample results and the complete laboratory analytical report are attached to this letter.

G&A's review of the laboratory analytical testing results for the surface water samples collected on May 14, 2012 indicate that one (1) metal, iron was detected in sample S-1 at 518 micrograms per liter (µg/L) which is above the residential SWHS of 300 µg/L for iron. However, we note iron is a secondary contaminant and not a health based concern.

Remaining parameters were detected in the surface water samples S-1 and S-2 at concentrations below their respective residential SWHS or below laboratory reporting limits.

Conclusions and Recommendations

G&A's review of the sampling results indicates that surface water originating from the seep and historic spring house on the subject property does not appear to have been impacted by the historic and current industrial use of the adjacent properties to the north. The detection of iron in sample S-1 is secondary contaminant that does not appear to pose a threat to future site users or development. However, should future site development include the use of groundwater for drinking purposes chemical testing is recommended.

Limitations

The conclusions and recommendations contained in this Limited Phase II ESA Report are based upon the data collected and on details stated in this report. Should conditions arise which differ from those specifically stated herein, Gilmore & Associates, Inc. should be notified immediately so that our recommendations can be reviewed and revised, if necessary. The conclusions and recommendations presented in this report are unique to the specific location of tax parcel 20-06-0034-000 in Norwegian Township, Schuylkill County, Pennsylvania and are not transferable to other development schemes or sites.

This study and report have been prepared with a standard of care that is normal and customary for environmental studies of this nature. Gilmore & Associates, Inc. assumes no responsibility if this report is used to generate reports, recommendations, and/or designs other than at the specified area investigated as described in this report.

Should you have any questions regarding this Limited Phase II ESA Report, please do not hesitate to call our office. You may reach us at 215-345-4330.

Sincerely,

Matthew T. Bailor

Matthew T. Bailor, CHMM
Environmental Scientist
Gilmore & Associates, Inc.

MTB/dmk

Attachments: 1. Summary of Water Analytical Results
2. Laboratory Analytical Report
3. ASFE Information on Geoenvironmental Reports

cc: Thomas B. Drogalis – World Resources Company
Scott C. Muller, PE, PLS – Gilmore & Associates, Inc.
Toby J. Kessler, PG – Gilmore & Associates, Inc.

Phase II Environmental Site Assessment - Summary of Water Analytical Results
World Resources Company
Norwegian Township, Schuylkill County, Pennsylvania

See the following page for the Water Analytical Results Summary Table for the water sampling conducted on the site on May 14, 2012.

Summary Table Notes:

1. Units are in micrograms per liter (µg/L) which is equivalent to parts per million
2. Results with a less than (<) symbol and a "U" indicate that that parameter was not detected above the laboratory reporting limit (the numeric value shown) in that sample.
3. Regulatory compliance limits are listed in column labeled SWHS.
4. Samples results were compared to used aquifer, total dissolved solids less than 2,500 ppm, residential Statewide Health Standards (SWHS)
5. Shaded results exceed residential SWHS
6. Regulatory compliance column with a line indicates that there is not a SWHS for that parameter.

WRC

Name: GW_used_aquifer

Sampling Event	5/14/2012			
Number of Sampling Location:	2			
Parameter Name	**Units**	**SWHS**	**S-1**	**S-2**
Cobalt	ug/L	11	2.12	<0.147
Methyl acetate	ug/L	37000	4.1	<0.78
Barium	ug/L	2000	13.9	48.5
Chloromethane	ug/L	30	26	6.9
Manganese	ug/L	300	299 M	19.8
Iron	ug/L	300	518	<5.6
Magnesium	ug/L	--	1930	3460
Calcium	ug/L	--	5440	7270
Sodium	ug/L	--	5780	16100
alpha-BHC	ug/L	0.1	<0.0051	<0.0056
Dieldrin	ug/L	0.041	<0.0041	<0.0045
Aldrin	ug/L	0.039	<0.0041	<0.0045
4,4'-DDD	ug/L	2.8	<0.0061	<0.0067
4,4'-DDE	ug/L	1.9	<0.0051	<0.0056
4,4'-DDT	ug/L	1.9	<0.019	<0.021
beta-BHC	ug/L	0.37	<0.016	<0.018
gamma-BHC (Lindane)	ug/L	0.2	<0.0031	<0.0034
Heptachlor epoxide	ug/L	0.2	<0.002	<0.0022
delta-BHC	ug/L	--	<0.0041	<0.0045
Heptachlor	ug/L	0.4	<0.0061	<0.0067
Endosulfan I	ug/L	220	<0.002	<0.0022
Endosulfan II	ug/L	220	<0.0092	<0.01
Endosulfan sulfate	ug/L	120	<0.0051	<0.0056
Benzo[a]anthracene	ug/L	0.29	<0.32	<0.72
Benzo[a]pyrene	ug/L	0.2	<0.13	<0.29
Benzo[g,h,i]perylene	ug/L	0.26	<0.12	<0.27
Bis(2-chloroethyl)ether	ug/L	0.15	<0.25	<0.56
Dibenz(a,h)anthracene	ug/L	0.029	<0.11	<0.25
Indeno[1,2,3-cd]pyrene	ug/L	0.29	<0.17	<0.38
Silver	ug/L	100	<0.0505	<0.0505
Technical Chlordane	ug/L	2	<0.22	<0.24
PCB-1016	ug/L	2.6	<0.12	<0.13
PCB-1221	ug/L	0.33	<0.12	<0.13
PCB-1232	ug/L	0.33	<0.13	<0.15
PCB-1242	ug/L	0.33	<0.27	<0.29
PCB-1248	ug/L	0.33	<0.08	<0.088
PCB-1254	ug/L	0.33	<0.069	<0.076
PCB-1260	ug/L	0.33	<0.086	<0.094
Benzo[k]fluoranthene	ug/L	0.55	<0.17	<0.38
Endrin aldehyde	ug/L	--	<0.0061	<0.0067
Benzo[b]fluoranthene	ug/L	0.29	<0.15	<0.34
Mercury	ug/L	2	<0.15	<0.15
alpha-Chlordane	ug/L	--	<0.0031	<0.0034
gamma-Chlordane	ug/L	--	<0.0031	<0.0034
Endrin ketone	ug/L	--	<0.0061	<0.0067
1,1,2,2-Tetrachloroethane	ug/L	0.84	<0.73	<0.73
1,2-Dichloroethane	ug/L	5	<0.36	<0.36

Sampling Event 5/14/2012
Number of Sampling Locations 2

Parameter Name	Units	SWHS	S-1	S-2
1,2-Dichloropropane	ug/L	5	<0.41	<0.41
Benzene	ug/L	5	<0.42	<0.42
Bromodichloromethane	ug/L	80	<0.42	<0.42
Carbon tetrachloride	ug/L	5	<0.65	<0.65
Chlorodibromomethane	ug/L	80	<0.52	<0.52
cis-1,3-Dichloropropene	ug/L	6.6	<0.43	<0.43
Tetrachloroethene	ug/L	5	<0.91	<0.91
trans-1,3-Dichloropropene	ug/L	6.6	<0.38	<0.38
Trichloroethene	ug/L	5	<0.49	<0.49
Vinyl chloride	ug/L	2	<0.81	<0.81
Hexachlorobenzene	ug/L	1	<0.29	<0.65
Hexachlorobutadiene	ug/L	8.5	<0.27	<0.61
Hexachloroethane	ug/L	1	<0.25	<0.56
N-Nitrosodi-n-propylamine	ug/L	0.094	<0.32	<0.72
N-Nitrosodiphenylamine	ug/L	130	<0.32	<0.72
Beryllium	ug/L	4	<0.107	<0.107
Cadmium	ug/L	5	<0.192	<0.192
Lead	ug/L	5	<0.22	<0.22
Antimony	ug/L	6	<0.235	<0.235
Thallium	ug/L	2	<0.134	<0.134
Chrysene	ug/L	1.9	<0.19	<0.43
Methoxychlor	ug/L	40	<0.037	<0.04
2-Butanone (MEK)	ug/L	4000	<3.9	<3.9
2-Hexanone	ug/L	11	<3.7	<3.7
4-Methyl-2-pentanone	ug/L	2900	<4	<4
2,4-Dinitrophenol	ug/L	73	<5.1 *	<11 *
2,4,5-Trichlorophenol	ug/L	3700	<0.37	<0.83
4,6-Dinitro-2-methylphenol	ug/L	3.7	<0.35 *	<0.79 *
4-Nitrophenol	ug/L	60	<0.17 *	<0.38 *
Di-n-butyl phthalate	ug/L	3700	<0.25	<0.56
Arsenic	ug/L	10	<1.77	<1.77
Chromium	ug/L	100	<1.85	<1.85
Selenium	ug/L	50	<3.45	<3.45
Potassium	ug/L	--	<109	3380
Endrin	ug/L	2	<0.0061	<0.0067
1,1,1-Trichloroethane	ug/L	200	<0.69	<0.69
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	63000	<1.3	<1.3
1,1,2-Trichloroethane	ug/L	5	<0.67	<0.67
1,1-Dichloroethane	ug/L	31	<0.38	<0.38
1,1-Dichloroethene	ug/L	7	<0.52	<0.52
1,2,4-Trichlorobenzene	ug/L	70	<0.99	<0.99
1,2-Dibromoethane	ug/L	0.05	<0.62	<0.62
1,2-Dichlorobenzene	ug/L	600	<2	<2
1,3-Dichlorobenzene	ug/L	600	<0.86	<0.86
1,4-Dichlorobenzene	ug/L	75	<0.95	<0.95
Bromochloromethane	ug/L	90	<0.46	<0.46
Bromoform	ug/L	80	<1	<1
Bromomethane	ug/L	10	<0.36	<0.36
Carbon disulfide	ug/L	1500	<0.48	<0.48
Chlorobenzene	ug/L	100	<0.83	<0.83
Chloroethane	ug/L	230	<0.61	<0.61

Sampling Event 5/14/2012
Number of Sampling Locations 2

Parameter Name	Units	SWHS	S-1	S-2
Chloroform	ug/L	80	<0.49	<0.49
cis-1,2-Dichloroethene	ug/L	70	<0.56	<0.56
Cyclohexane	ug/L	13000	<1.2	<1.2
Methylcyclohexane	ug/L	--	<1.3	<1.3
Dichlorodifluoromethane	ug/L	1000	<1.5	<1.5
Ethylbenzene	ug/L	700	<0.8	<0.8
Isopropylbenzene	ug/L	840	<1.1	<1.1
Methyl tert-butyl ether	ug/L	20	<0.39	<0.39
Methylene Chloride	ug/L	5	<0.76	<0.76
o-Xylene	ug/L	--	<0.76	<0.76
Styrene	ug/L	100	<0.54	<0.54
Toluene	ug/L	1000	<0.69	<0.69
trans-1,2-Dichloroethene	ug/L	100	<0.46	<0.46
Trichlorofluoromethane	ug/L	2000	<0.63	<0.63
2-Methylphenol	ug/L	1800	<0.14	<0.31
3 _4 Methylphenol	ug/L	--	<0.47	<1.1
Nitrobenzene	ug/L	73	<0.29	<0.65
Pentachlorophenol	ug/L	1	<0.25 *	<0.56 *
2,4,6-Trichlorophenol	ug/L	37	<0.43	<0.97
2,4-Dichlorophenol	ug/L	20	<0.31	<0.7
2,4-Dimethylphenol	ug/L	730	<0.31	<0.7
2,4-Dinitrotoluene	ug/L	2.1	<0.26	<0.58
2,6-Dinitrotoluene	ug/L	37	<0.33	<0.74
2-Chloronaphthalene	ug/L	2900	<0.27	<0.61
2-Chlorophenol	ug/L	40	<0.37	<0.83
2-Methylnaphthalene	ug/L	150	<0.13	<0.29
2-Nitrophenol	ug/L	290	<0.26	<0.58
3,3'-Dichlorobenzidine	ug/L	1.5	<0.29	<0.65
4-Bromophenyl phenyl ether	ug/L	--	<0.26	<0.58
4-Chloro-3-methylphenol	ug/L	180	<0.21	<0.47
4-Chloroaniline	ug/L	3.3	<0.21	<0.47
4-Chlorophenyl phenyl ether	ug/L	--	<0.25	<0.56
Acenaphthene	ug/L	2200	<0.12	<0.27
Acenaphthylene	ug/L	2200	<0.11	<0.25
Anthracene	ug/L	66	<0.18	<0.4
Bis(2-chloroethoxy)methane	ug/L	110	<0.33	<0.74
bis (2-chloroisopropyl) ether	ug/L	300	<0.21	<0.47
Butyl benzyl phthalate	ug/L	350	<0.26	<0.58
Dibenzofuran	ug/L	37	<0.29	<0.65
Diethyl phthalate	ug/L	29000	<0.28	<0.63
Dimethyl phthalate	ug/L	--	<0.28	<0.63
Di-n-octyl phthalate	ug/L	1500	<0.31	<0.7
Fluoranthene	ug/L	260	<0.2	<0.45
Fluorene	ug/L	1500	<0.11	<0.25
Hexachlorocyclopentadiene	ug/L	50	<0.28	<0.63
Isophorone	ug/L	100	<0.24	<0.54
Naphthalene	ug/L	100	<0.096	<0.22
Phenanthrene	ug/L	1100	<0.13	<0.29
Phenol	ug/L	2000	<0.12	<0.27
Pyrene	ug/L	130	<0.34	<0.76
2-Nitroaniline	ug/L	110	<0.25	<0.56

Sampling Event 5/14/2012

Number of Sampling Locations 2

Parameter Name	Units	SWHS	S-1	S-2
4-Nitroaniline	ug/L	33	<0.27	<0.61
3-Nitroaniline	ug/L	11	<0.2	<0.45
1,1'-Biphenyl	ug/L	1800	<0.53	<1.2
Acetophenone	ug/L	3700	<0.68	<1.5
Zinc	ug/L	2000	<9.68	<9.68
Phenolics	ug/L	--	<22.1	<22.1
Benzaldehyde	ug/L	--	<0.24	<0.54
Caprolactam	ug/L	--	<0.55	<1.2
Vanadium	ug/L	260	<5	<5
1,2,3-Trichlorobenzene	ug/L	--	<2.6	<2.6
Bis(2-ethylhexyl) phthalate	ug/L	6	<0.61	<1.4
Atrazine	ug/L	3	<0.48	<1.1
Toxaphene	ug/L	3	<0.98	<1.1
mp-Xylene	ug/L	--	<1.5	<1.5
Cyanide, Total	ug/L	200	<4.09	<4.09
1,2-Dibromo-3-Chloropropane	ug/L	0.2	<4.1	<4.1
Carbazole	ug/L	33	<1.2	<2.7
Copper	ug/L	1000	<0.231	<0.231
Nickel	ug/L	100	<0.688	<0.688
Acetone	ug/L	33000	<1.8	<1.8
Aluminum	ug/L	200	<5.6	<5.6
Xylenes, Total	ug/L	10000	<1.5	<1.5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica King of Prussia
1008 W Ninth Ave
King of Prussia, PA 19406
Tel: (610)337-9992

TestAmerica Job ID: 450-4358-1
Client Project/Site: World Resources

For:
Gilmore & Associates, Inc.
65 E Butler Ave
Suite 100
New Britain, Pennsylvania 18901

Attn: Mr. Matt Bailor

Authorized for release by:
5/18/2012 1:46:39 PM

Jill Miller
Senior Project Manager
jill.miller@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
Chronicle 15
Certification Summary 16
Chain of Custody 17
Receipt Checklists 18

Sample Summary

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
450-4358-1	S-1	Water	05/14/12 11:25	05/14/12 15:25
450-4358-2	S-2	Water	05/14/12 11:45	05/14/12 15:25

Job ID: 450-4358-1

Laboratory: TestAmerica King of Prussia

Narrative

Job Narrative
450-4358-1

Comments
No additional comments.

Receipt
The samples were received on 5/14/2012 3:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) for 2-nitrophenol associated with batch 11501 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: S-2. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 11436 exceeded control limits for several acid analytes.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A: The continuing calibration verification (CCV) for all compounds in quant 0 associated with batch 11458 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported from quant 1 only.

Method(s) 8081A: The capping continuing calibration verification (CCV) associated with batch 11458 did not meet control limits. Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: Endrin, methoxychlor, endrin ketone, gamma-chlordane, and alpha-chlordane are reported as non-detects in the LCS/LCSD associated with batch 11430 because the result is lower then the reporting limit. However, the individual recoveries are within acceptance criteria.

Method(s) 8081A: Alpha-chlordane, gamma-chlordane, methoxychlor, endrin, endrin ketone, endrin aldehyde, endosulfan I, endosulfan II, endosulfan sulfate, and heptachlor are reported as non-detects in the CCV/CCVRT associated with batch 11458 because the result it lower then the reporting limit.

Method(s) 8082: The initial calibration verification (ICV) for analytical batch 11426 exceeded control criteria for A1221/A1254. The data have been qualified and reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Subcontract non-Sister
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

Metals-ICPMS

Qualifier	Qualifier Description
M	The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1

Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/L			05/15/12 17:18	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/15/12 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			05/15/12 17:18	1
1,1,2-Trichloroethane	ND		2.0		ug/L			05/15/12 17:18	1
1,1-Dichloroethane	ND		2.0		ug/L			05/15/12 17:18	1
1,1-Dichloroethene	ND		2.0		ug/L			05/15/12 17:18	1
1,2,3-Trichlorobenzene	ND		3.0		ug/L			05/15/12 17:18	1
1,2,4-Trichlorobenzene	ND		2.0		ug/L			05/15/12 17:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			05/15/12 17:18	1
1,2-Dibromoethane	ND		2.0		ug/L			05/15/12 17:18	1
1,2-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:18	1
1,2-Dichloroethane	ND		1.0		ug/L			05/15/12 17:18	1
1,2-Dichloropropane	ND		1.0		ug/L			05/15/12 17:18	1
1,3-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:18	1
1,4-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:18	1
2-Butanone (MEK)	ND		10		ug/L			05/15/12 17:18	1
2-Hexanone	ND		10		ug/L			05/15/12 17:18	1
4-Methyl-2-pentanone	ND		10		ug/L			05/15/12 17:18	1
Acetone	ND		50		ug/L			05/15/12 17:18	1
Benzene	ND		1.0		ug/L			05/15/12 17:18	1
Bromochloromethane	ND		2.0		ug/L			05/15/12 17:18	1
Bromodichloromethane	ND		1.0		ug/L			05/15/12 17:18	1
Bromoform	ND		2.0		ug/L			05/15/12 17:18	1
Bromomethane	ND		2.0		ug/L			05/15/12 17:18	1
Carbon disulfide	ND		2.0		ug/L			05/15/12 17:18	1
Carbon tetrachloride	ND		1.0		ug/L			05/15/12 17:18	1
Chlorobenzene	ND		2.0		ug/L			05/15/12 17:18	1
Chlorodibromomethane	ND		1.0		ug/L			05/15/12 17:18	1
Chloroethane	ND		2.0		ug/L			05/15/12 17:18	1
Chloroform	ND		2.0		ug/L			05/15/12 17:18	1
Chloromethane	26		2.0		ug/L			05/15/12 17:18	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			05/15/12 17:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/15/12 17:18	1
Cyclohexane	ND		2.0		ug/L			05/15/12 17:18	1
Methylcyclohexane	ND		2.0		ug/L			05/15/12 17:18	1
Dichlorodifluoromethane	ND		2.0		ug/L			05/15/12 17:18	1
Ethylbenzene	ND		2.0		ug/L			05/15/12 17:18	1
Isopropylbenzene	ND		2.0		ug/L			05/15/12 17:18	1
m&p-Xylene	ND		4.0		ug/L			05/15/12 17:18	1
Methyl acetate	4.1		2.0		ug/L			05/15/12 17:18	1
Methyl tert-butyl ether	ND		2.0		ug/L			05/15/12 17:18	1
Methylene Chloride	ND		2.0		ug/L			05/15/12 17:18	1
o-Xylene	ND		2.0		ug/L			05/15/12 17:18	1
Styrene	ND		2.0		ug/L			05/15/12 17:18	1
Tetrachloroethene	ND		1.0		ug/L			05/15/12 17:18	1
Toluene	ND		2.0		ug/L			05/15/12 17:18	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			05/15/12 17:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/15/12 17:18	1
Trichloroethene	ND		1.0		ug/L			05/15/12 17:18	1
Trichlorofluoromethane	ND		2.0		ug/L			05/15/12 17:18	1
Vinyl chloride	ND		1.0		ug/L			05/15/12 17:18	1

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1
Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		6.0		ug/L			05/15/12 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*91 - 114*		*05/15/12 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*85 - 125*		*05/15/12 17:18*	*1*
Toluene-d8 (Surr)	*97*		*84 - 111*		*05/15/12 17:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*86 - 120*		*05/15/12 17:18*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
3 & 4 Methylphenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4-Dinitrophenol	ND	*	10		ug/L		05/15/12 07:56	05/17/12 00:01	1
Hexachlorobenzene	ND		1.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Hexachlorobutadiene	ND		1.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Hexachloroethane	ND		1.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Nitrobenzene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Pentachlorophenol	ND	*	2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4,5-Trichlorophenol	ND		10		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4,6-Trichlorophenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
1,2,4-Trichlorobenzene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4-Dichlorophenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4-Dimethylphenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,4-Dinitrotoluene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2,6-Dinitrotoluene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2-Chloronaphthalene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2-Chlorophenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2-Methylnaphthalene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
2-Nitroaniline	ND		2.1		ug/L		05/15/12 07:56	05/17/12 00:01	1
2-Nitrophenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
3,3'-Dichlorobenzidine	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
3-Nitroaniline	ND		2.5		ug/L		05/15/12 07:56	05/17/12 00:01	1
4,6-Dinitro-2-methylphenol	ND	*	10		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Bromophenyl phenyl ether	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Chloro-3-methylphenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Chloroaniline	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Chlorophenyl phenyl ether	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Nitroaniline	ND		2.1		ug/L		05/15/12 07:56	05/17/12 00:01	1
4-Nitrophenol	ND	*	10		ug/L		05/15/12 07:56	05/17/12 00:01	1
Acenaphthene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Acenaphthylene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Anthracene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzo[a]anthracene	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzo[a]pyrene	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzo[b]fluoranthene	ND		0.90		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzo[g,h,i]perylene	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzo[k]fluoranthene	ND		0.55		ug/L		05/15/12 07:56	05/17/12 00:01	1
Bis(2-chloroethoxy)methane	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Bis(2-chloroethyl)ether	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
bis (2-chloroisopropyl) ether	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Bis(2-ethylhexyl) phthalate	ND		3.0		ug/L		05/15/12 07:56	05/17/12 00:01	1

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1
Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Carbazole	ND		5.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Chrysene	ND		1.8		ug/L		05/15/12 07:56	05/17/12 00:01	1
Dibenz(a,h)anthracene	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
Dibenzofuran	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Diethyl phthalate	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Dimethyl phthalate	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Di-n-butyl phthalate	ND		10		ug/L		05/15/12 07:56	05/17/12 00:01	1
Di-n-octyl phthalate	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Fluoranthene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Fluorene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Hexachlorocyclopentadiene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Indeno[1,2,3-cd]pyrene	ND		0.50		ug/L		05/15/12 07:56	05/17/12 00:01	1
Isophorone	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Naphthalene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
N-Nitrosodi-n-propylamine	ND		1.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
N-Nitrosodiphenylamine	ND		1.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Phenanthrene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Phenol	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Pyrene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
Atrazine	ND		3.0		ug/L		05/15/12 07:56	05/17/12 00:01	1
1,1'-Biphenyl	ND		20		ug/L		05/15/12 07:56	05/17/12 00:01	1
Benzaldehyde	ND		25		ug/L		05/15/12 07:56	05/17/12 00:01	1
Acetophenone	ND		20		ug/L		05/15/12 07:56	05/17/12 00:01	1
Caprolactam	ND		25		ug/L		05/15/12 07:56	05/17/12 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*42*		*12 - 110*	*05/15/12 07:56*	*05/17/12 00:01*	*1*
Phenol-d6 (Surr)	*28*		*15 - 110*	*05/15/12 07:56*	*05/17/12 00:01*	*1*
Nitrobenzene-d5 (Surr)	*74*		*36 - 110*	*05/15/12 07:56*	*05/17/12 00:01*	*1*
2-Fluorobiphenyl	*68*		*41 - 110*	*05/15/12 07:56*	*05/17/12 00:01*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*15 - 115*	*05/15/12 07:56*	*05/17/12 00:01*	*1*
Terphenyl-d14 (Surr)	*97*		*48 - 110*	*05/15/12 07:56*	*05/17/12 00:01*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.038		ug/L		05/15/12 07:15	05/15/12 16:18	1
alpha-BHC	ND		0.020		ug/L		05/15/12 07:15	05/15/12 16:18	1
beta-BHC	ND		0.20		ug/L		05/15/12 07:15	05/15/12 16:18	1
delta-BHC	ND		0.31		ug/L		05/15/12 07:15	05/15/12 16:18	1
gamma-BHC (Lindane)	ND		0.20		ug/L		05/15/12 07:15	05/15/12 16:18	1
Technical Chlordane	ND		0.51		ug/L		05/15/12 07:15	05/15/12 16:18	1
alpha-Chlordane	ND		1.0		ug/L		05/15/12 07:15	05/15/12 16:18	1
gamma-Chlordane	ND		1.0		ug/L		05/15/12 07:15	05/15/12 16:18	1
4,4'-DDD	ND		0.10		ug/L		05/15/12 07:15	05/15/12 16:18	1
4,4'-DDE	ND		0.10		ug/L		05/15/12 07:15	05/15/12 16:18	1
4,4'-DDT	ND		0.10		ug/L		05/15/12 07:15	05/15/12 16:18	1
Dieldrin	ND		0.031		ug/L		05/15/12 07:15	05/15/12 16:18	1
Endosulfan I	ND		0.41		ug/L		05/15/12 07:15	05/15/12 16:18	1
Endosulfan II	ND		0.41		ug/L		05/15/12 07:15	05/15/12 16:18	1
Endosulfan sulfate	ND		0.41		ug/L		05/15/12 07:15	05/15/12 16:18	1

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1

Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-1

Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		2.0		ug/L		05/15/12 07:15	05/15/12 16:18	1
Endrin aldehyde	ND		0.61		ug/L		05/15/12 07:15	05/15/12 16:18	1
Endrin ketone	ND		1.0		ug/L		05/15/12 07:15	05/15/12 16:18	1
Heptachlor	ND		0.31		ug/L		05/15/12 07:15	05/15/12 16:18	1
Heptachlor epoxide	ND		0.20		ug/L		05/15/12 07:15	05/15/12 16:18	1
Methoxychlor	ND		10		ug/L		05/15/12 07:15	05/15/12 16:18	1
Toxaphene	ND		3.1		ug/L		05/15/12 07:15	05/15/12 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*14 - 120*	*05/15/12 07:15*	*05/15/12 16:18*	*1*
Tetrachloro-m-xylene	*87*		*10 - 117*	*05/15/12 07:15*	*05/15/12 16:18*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1221	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1232	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1242	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1248	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1254	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1
PCB-1260	ND		0.51		ug/L		05/15/12 07:00	05/15/12 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*29 - 122*	*05/15/12 07:00*	*05/15/12 17:58*	*1*
Tetrachloro-m-xylene	*93*		*25 - 110*	*05/15/12 07:00*	*05/15/12 17:58*	*1*

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		1.0		ug/L		05/15/12 08:23	05/15/12 12:07	1

Method: EPA 200.7 - Total/Total Recoverable Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**5440**		1000		ug/L		05/16/12 10:40	05/16/12 17:15	1.00
Iron	**518**		100		ug/L		05/16/12 10:40	05/16/12 17:15	1.00
Magnesium	**1930**		1000		ug/L		05/16/12 10:40	05/16/12 17:15	1.00
Potassium	ND		1000		ug/L		05/16/12 10:40	05/16/12 17:15	1.00
Sodium	**5780**		1000		ug/L		05/16/12 10:40	05/16/12 17:15	1.00

Method: EPA 200.8 - Total/Total Recoverable Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Antimony	ND		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Arsenic	ND		10.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Barium	**13.9**		5.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Beryllium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Cadmium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Chromium	ND		10.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Cobalt	**2.12**		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Copper	ND		5.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Lead	ND		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Manganese	**299**	M	5.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Nickel	ND		5.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1

Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-1
Matrix: Water

Method: EPA 200.8 - Total/Total Recoverable Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		10.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Silver	ND		0.500		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Thallium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Vanadium	ND		25.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00
Zinc	ND		20.0		ug/L		05/16/12 08:45	05/16/12 16:57	5.00

Method: EPA 335.4 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.00500		mg/L		05/16/12 05:55	05/18/12 07:38	1.00

Method: EPA 420.1 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics	ND		0.0500	0.0221	mg/L		05/16/12 06:20	05/17/12 14:40	1.00

Client Sample ID: S-2

Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/L			05/15/12 17:48	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/15/12 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			05/15/12 17:48	1
1,1,2-Trichloroethane	ND		2.0		ug/L			05/15/12 17:48	1
1,1-Dichloroethane	ND		2.0		ug/L			05/15/12 17:48	1
1,1-Dichloroethene	ND		2.0		ug/L			05/15/12 17:48	1
1,2,3-Trichlorobenzene	ND		3.0		ug/L			05/15/12 17:48	1
1,2,4-Trichlorobenzene	ND		2.0		ug/L			05/15/12 17:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			05/15/12 17:48	1
1,2-Dibromoethane	ND		2.0		ug/L			05/15/12 17:48	1
1,2-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:48	1
1,2-Dichloroethane	ND		1.0		ug/L			05/15/12 17:48	1
1,2-Dichloropropane	ND		1.0		ug/L			05/15/12 17:48	1
1,3-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:48	1
1,4-Dichlorobenzene	ND		2.0		ug/L			05/15/12 17:48	1
2-Butanone (MEK)	ND		10		ug/L			05/15/12 17:48	1
2-Hexanone	ND		10		ug/L			05/15/12 17:48	1
4-Methyl-2-pentanone	ND		10		ug/L			05/15/12 17:48	1
Acetone	ND		50		ug/L			05/15/12 17:48	1
Benzene	ND		1.0		ug/L			05/15/12 17:48	1
Bromochloromethane	ND		2.0		ug/L			05/15/12 17:48	1
Bromodichloromethane	ND		1.0		ug/L			05/15/12 17:48	1
Bromoform	ND		2.0		ug/L			05/15/12 17:48	1
Bromomethane	ND		2.0		ug/L			05/15/12 17:48	1
Carbon disulfide	ND		2.0		ug/L			05/15/12 17:48	1
Carbon tetrachloride	ND		1.0		ug/L			05/15/12 17:48	1
Chlorobenzene	ND		2.0		ug/L			05/15/12 17:48	1
Chlorodibromomethane	ND		1.0		ug/L			05/15/12 17:48	1
Chloroethane	ND		2.0		ug/L			05/15/12 17:48	1
Chloroform	ND		2.0		ug/L			05/15/12 17:48	1
Chloromethane	**6.9**		2.0		ug/L			05/15/12 17:48	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			05/15/12 17:48	1

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-2

Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/15/12 17:48	1
Cyclohexane	ND		2.0		ug/L			05/15/12 17:48	1
Methylcyclohexane	ND		2.0		ug/L			05/15/12 17:48	1
Dichlorodifluoromethane	ND		2.0		ug/L			05/15/12 17:48	1
Ethylbenzene	ND		2.0		ug/L			05/15/12 17:48	1
Isopropylbenzene	ND		2.0		ug/L			05/15/12 17:48	1
m&p-Xylene	ND		4.0		ug/L			05/15/12 17:48	1
Methyl acetate	ND		2.0		ug/L			05/15/12 17:48	1
Methyl tert-butyl ether	ND		2.0		ug/L			05/15/12 17:48	1
Methylene Chloride	ND		2.0		ug/L			05/15/12 17:48	1
o-Xylene	ND		2.0		ug/L			05/15/12 17:48	1
Styrene	ND		2.0		ug/L			05/15/12 17:48	1
Tetrachloroethene	ND		1.0		ug/L			05/15/12 17:48	1
Toluene	ND		2.0		ug/L			05/15/12 17:48	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			05/15/12 17:48	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/15/12 17:48	1
Trichloroethene	ND		1.0		ug/L			05/15/12 17:48	1
Trichlorofluoromethane	ND		2.0		ug/L			05/15/12 17:48	1
Vinyl chloride	ND		1.0		ug/L			05/15/12 17:48	1
Xylenes, Total	ND		6.0		ug/L			05/15/12 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*91 - 114*		*05/15/12 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*85 - 125*		*05/15/12 17:48*	*1*
Toluene-d8 (Surr)	*97*		*84 - 111*		*05/15/12 17:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*86 - 120*		*05/15/12 17:48*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
3 & 4 Methylphenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4-Dinitrophenol	ND	*	22		ug/L		05/15/12 07:56	05/17/12 12:45	2
Hexachlorobenzene	ND		2.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
Hexachlorobutadiene	ND		2.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
Hexachloroethane	ND		2.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
Nitrobenzene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Pentachlorophenol	ND	*	4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4,5-Trichlorophenol	ND		22		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4,6-Trichlorophenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
1,2,4-Trichlorobenzene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4-Dichlorophenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4-Dimethylphenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,4-Dinitrotoluene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2,6-Dinitrotoluene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2-Chloronaphthalene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2-Chlorophenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2-Methylnaphthalene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
2-Nitroaniline	ND		4.7		ug/L		05/15/12 07:56	05/17/12 12:45	2
2-Nitrophenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
3,3'-Dichlorobenzidine	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
3-Nitroaniline	ND		5.6		ug/L		05/15/12 07:56	05/17/12 12:45	2

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-2
Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	*	22		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Bromophenyl phenyl ether	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Chloro-3-methylphenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Chloroaniline	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Chlorophenyl phenyl ether	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Nitroaniline	ND		4.7		ug/L		05/15/12 07:56	05/17/12 12:45	2
4-Nitrophenol	ND	*	22		ug/L		05/15/12 07:56	05/17/12 12:45	2
Acenaphthene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Acenaphthylene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Anthracene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzo[a]anthracene	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzo[a]pyrene	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzo[b]fluoranthene	ND		2.0		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzo[g,h,i]perylene	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzo[k]fluoranthene	ND		1.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
Bis(2-chloroethoxy)methane	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Bis(2-chloroethyl)ether	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
bis (2-chloroisopropyl) ether	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Bis(2-ethylhexyl) phthalate	ND		6.7		ug/L		05/15/12 07:56	05/17/12 12:45	2
Butyl benzyl phthalate	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Carbazole	ND		11		ug/L		05/15/12 07:56	05/17/12 12:45	2
Chrysene	ND		4.0		ug/L		05/15/12 07:56	05/17/12 12:45	2
Dibenz(a,h)anthracene	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
Dibenzofuran	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Diethyl phthalate	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Dimethyl phthalate	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Di-n-butyl phthalate	ND		22		ug/L		05/15/12 07:56	05/17/12 12:45	2
Di-n-octyl phthalate	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Fluoranthene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Fluorene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Hexachlorocyclopentadiene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Indeno[1,2,3-cd]pyrene	ND		1.1		ug/L		05/15/12 07:56	05/17/12 12:45	2
Isophorone	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Naphthalene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
N-Nitrosodi-n-propylamine	ND		2.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
N-Nitrosodiphenylamine	ND		2.2		ug/L		05/15/12 07:56	05/17/12 12:45	2
Phenanthrene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Phenol	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Pyrene	ND		4.5		ug/L		05/15/12 07:56	05/17/12 12:45	2
Atrazine	ND		6.7		ug/L		05/15/12 07:56	05/17/12 12:45	2
1,1'-Biphenyl	ND		45		ug/L		05/15/12 07:56	05/17/12 12:45	2
Benzaldehyde	ND		56		ug/L		05/15/12 07:56	05/17/12 12:45	2
Acetophenone	ND		45		ug/L		05/15/12 07:56	05/17/12 12:45	2
Caprolactam	ND		56		ug/L		05/15/12 07:56	05/17/12 12:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*51*		*12 - 110*	*05/15/12 07:56*	*05/17/12 12:45*	*2*
Phenol-d6 (Surr)	*34*		*15 - 110*	*05/15/12 07:56*	*05/17/12 12:45*	*2*
Nitrobenzene-d5 (Surr)	*78*		*36 - 110*	*05/15/12 07:56*	*05/17/12 12:45*	*2*
2-Fluorobiphenyl	*70*		*41 - 110*	*05/15/12 07:56*	*05/17/12 12:45*	*2*
2,4,6-Tribromophenol (Surr)	*81*		*15 - 115*	*05/15/12 07:56*	*05/17/12 12:45*	*2*

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-2

Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-2

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	92		48 - 110	05/15/12 07:56	05/17/12 12:45	2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.042		ug/L		05/15/12 07:15	05/15/12 16:34	1
alpha-BHC	ND		0.022		ug/L		05/15/12 07:15	05/15/12 16:34	1
beta-BHC	ND		0.22		ug/L		05/15/12 07:15	05/15/12 16:34	1
delta-BHC	ND		0.34		ug/L		05/15/12 07:15	05/15/12 16:34	1
gamma-BHC (Lindane)	ND		0.22		ug/L		05/15/12 07:15	05/15/12 16:34	1
Technical Chlordane	ND		0.56		ug/L		05/15/12 07:15	05/15/12 16:34	1
alpha-Chlordane	ND		1.1		ug/L		05/15/12 07:15	05/15/12 16:34	1
gamma-Chlordane	ND		1.1		ug/L		05/15/12 07:15	05/15/12 16:34	1
4,4'-DDD	ND		0.11		ug/L		05/15/12 07:15	05/15/12 16:34	1
4,4'-DDE	ND		0.11		ug/L		05/15/12 07:15	05/15/12 16:34	1
4,4'-DDT	ND		0.11		ug/L		05/15/12 07:15	05/15/12 16:34	1
Dieldrin	ND		0.034		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endosulfan I	ND		0.45		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endosulfan II	ND		0.45		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endosulfan sulfate	ND		0.45		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endrin	ND		2.2		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endrin aldehyde	ND		0.67		ug/L		05/15/12 07:15	05/15/12 16:34	1
Endrin ketone	ND		1.1		ug/L		05/15/12 07:15	05/15/12 16:34	1
Heptachlor	ND		0.34		ug/L		05/15/12 07:15	05/15/12 16:34	1
Heptachlor epoxide	ND		0.22		ug/L		05/15/12 07:15	05/15/12 16:34	1
Methoxychlor	ND		11		ug/L		05/15/12 07:15	05/15/12 16:34	1
Toxaphene	ND		3.4		ug/L		05/15/12 07:15	05/15/12 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		14 - 120	05/15/12 07:15	05/15/12 16:34	1
Tetrachloro-m-xylene	80		10 - 117	05/15/12 07:15	05/15/12 16:34	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1221	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1232	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1242	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1248	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1254	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1
PCB-1260	ND		0.56		ug/L		05/15/12 07:00	05/15/12 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		29 - 122	05/15/12 07:00	05/15/12 17:30	1
Tetrachloro-m-xylene	94		25 - 110	05/15/12 07:00	05/15/12 17:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		1.0		ug/L		05/15/12 08:23	05/15/12 12:08	1

Method: EPA 200.7 - Total/Total Recoverable Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	7270		1000		ug/L		05/16/12 10:40	05/16/12 17:18	1.00

Client Sample Results

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-2

Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Lab Sample ID: 450-4358-2

Matrix: Water

Method: EPA 200.7 - Total/Total Recoverable Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100		ug/L		05/16/12 10:40	05/16/12 17:18	1.00
Magnesium	3460		1000		ug/L		05/16/12 10:40	05/16/12 17:18	1.00
Potassium	3380		1000		ug/L		05/16/12 10:40	05/16/12 17:18	1.00
Sodium	16100		1000		ug/L		05/16/12 10:40	05/16/12 17:18	1.00

Method: EPA 200.8 - Total/Total Recoverable Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Antimony	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Arsenic	ND		10.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Barium	48.5		5.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Beryllium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Cadmium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Chromium	ND		10.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Cobalt	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Copper	ND		5.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Lead	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Manganese	19.8		5.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Nickel	ND		5.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Selenium	ND		10.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Silver	ND		0.500		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Thallium	ND		1.00		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Vanadium	ND		25.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00
Zinc	ND		20.0		ug/L		05/16/12 08:45	05/16/12 17:02	5.00

Method: EPA 335.4 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.00500		mg/L		05/16/12 05:55	05/18/12 07:38	1.00

Method: EPA 420.1 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics	ND		0.0500	0.0221	mg/L		05/16/12 06:20	05/17/12 14:40	1.00

Lab Chronicle

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Client Sample ID: S-1

Lab Sample ID: 450-4358-1
Matrix: Water

Date Collected: 05/14/12 11:25
Date Received: 05/14/12 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	11445	05/15/12 17:18	AHK	TAL KOP
Total/NA	Prep	3510C			11436	05/15/12 07:56	ELS	TAL KOP
Total/NA	Analysis	8270C		1	11501	05/17/12 00:01	ADO	TAL KOP
Total/NA	Prep	3510C			11428	05/15/12 07:00	ELS	TAL KOP
Total/NA	Analysis	8082		1	11426	05/15/12 17:58	SC	TAL KOP
Total/NA	Prep	3510C			11430	05/15/12 07:15	ELS	TAL KOP
Total/NA	Analysis	8081A		1	11458	05/15/12 16:18	GMA	TAL KOP
Total/NA	Prep	7470A			11438	05/15/12 08:23	PAM	TAL KOP
Total/NA	Analysis	7470A		1	11456	05/15/12 12:07	SPC	TAL KOP
Total	Prep	EPA 200.7 Total		1.00	12E0593_P	05/16/12 10:40	MJA	TAL DAY
Total	Analysis	EPA 200.7		1.00	12E0593	05/16/12 17:15	MJW	TAL DAY
Total	Prep	EPA 200.8 Total		1.00	12E0590_P	05/16/12 08:45	MJA	TAL DAY
Total	Analysis	EPA 200.8		5.00	12E0590	05/16/12 16:57	BMH	TAL DAY
Total	Prep	Wet Chem Prep		1.00	12E0589_P	05/16/12 05:55	KKH	TAL DAY
Total	Analysis	EPA 335.4		1.00	12E0589	05/18/12 07:38	RLM	TAL DAY
Total	Prep	Wet Chem Prep		1.00	12E0598_P	05/16/12 06:20	RLM	TAL DAY
Total	Analysis	EPA 420.1		1.00	12E0598	05/17/12 14:40	RLM	TAL DAY

Client Sample ID: S-2

Lab Sample ID: 450-4358-2
Matrix: Water

Date Collected: 05/14/12 11:45
Date Received: 05/14/12 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	11445	05/15/12 17:48	AHK	TAL KOP
Total/NA	Prep	3510C			11436	05/15/12 07:56	ELS	TAL KOP
Total/NA	Analysis	8270C		2	11554	05/17/12 12:45	ADO	TAL KOP
Total/NA	Prep	3510C			11428	05/15/12 07:00	ELS	TAL KOP
Total/NA	Analysis	8082		1	11426	05/15/12 17:30	SC	TAL KOP
Total/NA	Prep	3510C			11430	05/15/12 07:15	ELS	TAL KOP
Total/NA	Analysis	8081A		1	11458	05/15/12 16:34	GMA	TAL KOP
Total/NA	Prep	7470A			11438	05/15/12 08:23	PAM	TAL KOP
Total/NA	Analysis	7470A		1	11456	05/15/12 12:08	SPC	TAL KOP
Total	Prep	EPA 200.7 Total		1.00	12E0593_P	05/16/12 10:40	MJA	TAL DAY
Total	Analysis	EPA 200.7		1.00	12E0593	05/16/12 17:18	MJW	TAL DAY
Total	Prep	EPA 200.8 Total		1.00	12E0590_P	05/16/12 08:45	MJA	TAL DAY
Total	Analysis	EPA 200.8		5.00	12E0590	05/16/12 17:02	BMH	TAL DAY
Total	Prep	Wet Chem Prep		1.00	12E0589_P	05/16/12 05:55	KKH	TAL DAY
Total	Analysis	EPA 335.4		1.00	12E0589	05/18/12 07:38	RLM	TAL DAY
Total	Prep	Wet Chem Prep		1.00	12E0598_P	05/16/12 06:20	RLM	TAL DAY
Total	Analysis	EPA 420.1		1.00	12E0598	05/17/12 14:40	RLM	TAL DAY

Laboratory References:

TAL DAY = TestAmerica Dayton, 4738 Gateway Circle, Dayton, OH 45440, TEL 800-572-9839

TAL KOP = TestAmerica King of Prussia, 1008 W Ninth Ave, King of Prussia, PA 19406, TEL (610)337-9992

Certification Summary

Client: Gilmore & Associates, Inc.
Project/Site: World Resources

TestAmerica Job ID: 450-4358-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica King of Prussia	New Jersey	NELAC	2	PA004
TestAmerica King of Prussia	Pennsylvania	NELAC	3	46-00505
TestAmerica King of Prussia	USDA	Federal		P330-10-00327
TestAmerica Dayton	Indiana	State Program	5	C-OH-10
TestAmerica Dayton	Kentucky (UST)	State Program	4	8
TestAmerica Dayton	Michigan	State Program	5	9931
TestAmerica Dayton	Ohio	State Program	5	OH-00010
TestAmerica Dayton	Ohio	State Program	5	OH-00010
TestAmerica Dayton	Ohio	State Program	5	OH-00010
TestAmerica Dayton	Ohio	State Program	5	OH-00010
TestAmerica Dayton	Ohio	State Program	5	OH-00010
TestAmerica Dayton	Ohio VAP	State Program	5	CL0018
TestAmerica Dayton	Pennsylvania	NELAC	3	68-00577

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY REPORT

1008 W. Ninth Avenue
King of Prussia, PA 19406
(610) 337-9992
FAX (610) 337-9939

5/18/2012

Client: Gilmore & Associates Inc
Address: 65 East Butler Ave
New Britain PA
Report to: mbailor@ Phone #: (215) 345-4330
E-mail: gilmore-assoc.com Fax #: ( )
Project Name: World Resources
Project #/PO#:
Sampler: P. Lyng

Bill To: SAME
Address:
Terms: Net 30 days
State & Program:
Phone #: ( ) Fax #: ( )

TAT: STD. 5 DAY 4 DAY (3 DAY) 2 DAY 1 DAY <24 HRS.
Received: ☑ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☑ YES
Temp. Upon Receipt: 1.7°C
If Yes, please explain EDD in Excel

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	DI	HCl	HNO_3	H_2SO_4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☑ NO	TAL TTAL Phenols/Cyanide								SAMPLE CONTROL: CRACKED-BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-1	5/14/12	11:25	GW			3	1		4	8			X										450-4358
2	S-2	5/14/12	11:45	GW			3	1		4	8			X										
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								

- lab to preserve in NaOH & H_2SO_4
- did not have proper bottle ware so we used a 1L Amber
- 3 remaining 1L Amber jars for rest of samples
- lab to filter metals

RELINQUISHED	DATE 5/14	RECEIVED	DATE 5/14	RELINQUISHED	DATE	RECEIVED	DATE
	TIME 15:25		TIME		TIME		TIME
RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
	TIME		TIME		TIME		TIME

COMMENTS:

PAGE 1 OF 1

TAL 4124 450 (0509)

Login Sample Receipt Checklist

Client: Gilmore & Associates, Inc.

Job Number: 450-4358-1

Login Number: 4358
List Number: 1
Creator: Malandra, Ryan

List Source: TestAmerica King of Prussia

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	no bottles for cyanide or phenols - lab preserve per client
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change,* sometimes suddenly, due to any number of events, not the least of which include occurrences at

adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.

ASFE
THE BEST PEOPLE ON EARTH

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@asfe.org www.asfe.org

Copyright 2000 by ASFE, Inc. Duplication, reproduction, or copying of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with ASFE's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of ASFE, and only for purposes of scholarly research or book review. Only ASFE Member Firms may insert this document in their reports

HGR06055.0M