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Olin Corporation

Wilmington, Massachusetts Facility

Supplemental Phase II Report

Attachment A

Laboratory Analytical Data

Volume III: 5/20/96 to 12/17/96 Data

June 1997

Prepared by:

ABB Environmental Services, Inc.

Geomega

PTI Environmental Services

SMITH Technology Corporation

US EPA ARCHIVE DOCUMENT

Olin Corporation

Wilmington, MA

Supplemental Phase II Report

Attachment A

Laboratory Analytical Data

Volume III: 5/20/96 to 12/17/96 Data

June 1997

Prepared by:

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ABB Environmental Services, Inc.

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Geomega

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PTI Environmental Services

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Smith Technology Corporation

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US EPA ARCHIVE DOCUMENT

SMITH

Volume III - Laboratory Analytical Data

05/20/96 to 12/17/96

Work Order No.	Media
WM-0979	GW
WM-0990	GW
WM-0992	MLT
WM-0995	GW
WM-1004	GW
WM-1013	GW
WM-1130	GW
7096-1461A	GW
WM-1622	GW
7096-1462A	GW
7096-1480A	GW
WM-1774	GW
WM-1818	SOIL
7096-1654A	GW
7096-1908A	GW
7096-2106A	GW
7096-2120A	GW
7096-2211A	GW
7096-2172A	GW
7096-2229A	SOIL&GW
7096-2204A	GW
7096-2201A	GW
7096-2316A	SOIL
7096-2202A	GW
7096-2401A	WATER
7096-2487A	GW
7096-2488A	GW
S154-002	SOIL&GW
7096-2688A	GW
7096-2703A	GW
7096-2704A	GW
7096-2706A	GW

GW = Groundwater
SW = Surface Water
MLT = Multiple Media
SED = Sediment

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0979-1
Report Date: 06/11/96
PO No. : C95008J
Project : CLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #21	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.27	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	1.0	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.14	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	0.20	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.020	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-1
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #21	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	<1.0	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	69.	mg/L	1.0	0.3	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-2
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #20	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.17	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	4.0	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.22	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	0.88	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.34	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-2
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #20	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.7	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	97.	mg/L	1.0	0.3	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-3
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #19	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.15	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.003	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	3.6	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.34	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	0.91	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.38	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0979-3
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #19	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.9	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	140.	mg/L	1.0	0.3	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-4
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #18	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.025	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	3.8	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.081	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.0	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.44	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0979-4
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #18	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.1	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	62.	mg/L	1.0	0.3	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0979-5
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #16	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.082	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	11.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	0.14	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.8	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.072	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/11/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-5
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #16	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.3	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	53.	mg/L	1.0	0.3	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/11/96

LJO/kdwlp(dw)
ME23ICW2
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SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-1
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #21	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bicarbonate as HCO3	62.	mg/L	1.0	20	APHA 406C	05/31/96	WL	
Chloride, Dissolved	22.	mg/L	1.0	2.0	325.2	05/28/96	LT	
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/22/96	CM	
Nitrate+Nitrite as N	1.0	mg/L	1.0	0.050	353.2	05/24/96	BC	
Nitrogen-Ammonia as N	2.1	mg/L	1.0	0.10	350.1	05/23/96	CM	
Sulfate, Dissolved	59.	mg/L	10	1.0	375.4	05/30/96	PH	
pH (Laboratory)	6.8	pH Units	1.0	0.1	150.1	05/21/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

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PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-2
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #20	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bicarbonate as HCO3	31.	mg/L	1.0	20	APHA 406C	06/03/96	WL	
Chloride, Dissolved	39.	mg/L	1.0	2.0	325.2	05/28/96	LT	
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/22/96	CM	
Nitrate+Nitrite as N	0.70	mg/L	1.0	0.050	353.2	05/21/96	BC	
Nitrogen-Ammonia as N	3.4	mg/L	1.0	0.10	350.1	05/23/96	CM	
Sulfate, Dissolved.	120.	mg/L	10	1.0	375.4	05/30/96	PH	
pH (Laboratory)	6.9	pH Units	1.0	0.1	150.1	05/21/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-3
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #19	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bicarbonate as HCO3	31.	mg/L	1.0	20	APHA 406C	06/03/96	WL	
Chloride, Dissolved	48.	mg/L	1.0	2.0	325.2	05/28/96	LT	
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/22/96	CM	
Nitrate+Nitrite as N	1.4	mg/L	1.0	0.050	353.2	05/21/96	BC	
Nitrogen-Ammonia as N	6.8	mg/L	1.0	0.10	350.1	05/23/96	CM	
Sulfate, Dissolved	170.	mg/L	10	1.0	375.4	05/30/96	PH	
pH (Laboratory)	6.5	pH Units	1.0	0.1	150.1	05/21/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-4
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #18	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bicarbonate as HCO3	<20	mg/L	1.0	20	APHA 406C	06/03/96	WL	
Chloride, Dissolved	35.	mg/L	1.0	2.0	325.2	05/28/96	LT	
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/22/96	CM	
Nitrate+Nitrite as N	0.52	mg/L	1.0	0.050	353.2	05/21/96	BC	
Nitrogen-Ammonia as N	3.9	mg/L	1.0	0.10	350.1	05/23/96	CM	
Sulfate, Dissolved	81.	mg/L	5.0	1.0	375.4	05/30/96	PH	
pH (Laboratory)	6.5	pH Units	1.0	0.1	150.1	05/21/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

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PLYMOUTH MEETING, PA 19462

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0979-5
Report Date: 06/11/96
PO No. : C95008J
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #16	Aqueous	R.SCHMIDT	05/21/96	05/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bicarbonate as HCO3	35.	mg/L	1.0	20	APHA 406C	06/03/96	WL	
Chloride, Dissolved	37.	mg/L	1.0	2.0	325.2	05/28/96	LT	
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/22/96	CM	
Nitrate+Nitrite as N	1.4	mg/L	1.0	0.050	353.2	05/24/96	BC	
Nitrogen-Ammonia as N	1.1	mg/L	1.0	0.10	350.1	05/23/96	CM	
Sulfate, Dissolved	59.	mg/L	10	1.0	375.4	05/30/96	PH	
pH (Laboratory)	6.6	pH Units	1.0	0.1	150.1	05/21/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

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Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-1
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #9	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.22	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.033	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	19.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	0.075	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.17	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	5.4	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	1.2	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
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ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-1
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #9	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.9	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	120.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-2
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #10	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.024	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	12.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	0.028	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.035	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	3.4	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.69	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

340 County Road No. 5
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210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-2
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #10	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.8	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	87.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
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PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-3
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #11	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.034	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	9.6	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	2.4	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.41	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-3
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #11	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	2.1	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	80.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
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SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

340 County Road No. 5
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-4
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #12	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.034	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	4.7	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.0	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.13	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
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CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-4
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #12	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.4	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	50.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

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ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-5
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #13	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.033	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	3.5	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	0.081	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.1	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.24	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
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PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-5
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #13	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.5	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	50.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
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SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-6
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #14	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.079	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	9.5	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	2.0	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.23	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
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CC: BRUCE CRUSHING
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PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-6
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #14	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	1.5	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	63.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-7
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #15	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.078	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	7.7	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.7	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.20	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-7
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #15	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	<1.0	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	64.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-8
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #17	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.080	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	10.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	1.5	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	0.084	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-8
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #17	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	2.1	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	46.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-9
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #8	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1.5	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.016	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	34.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	0.23	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	0.048	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	1.2	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	11.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	2.7	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-9
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #8	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	0.052	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	3.1	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	210.	mg/L	1.0	0.30	200.7/6010	05/24/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	0.047	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
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SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-10
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #7	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	54.	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	0.011	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.021	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	0.010	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	220.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	3.0	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	0.45	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	0.092	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	11.	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	79.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	11.	mg/L	1.0	0.005	200.7/6010	05/24/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-10
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #7	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	0.46	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	15.	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	1100.	mg/L	5.0	0.10	200.7/6010	05/28/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	0.74	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0990-11
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #6	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	95.	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Arsenic, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.018	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	0.015	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	260.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	4.4	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Cobalt, Dissolved	0.58	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	0.29	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	11.	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	0.017	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	100.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	10.	mg/L	1.0	0.005	200.7/6010	05/24/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-11
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #6	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Nickel, Dissolved	0.61	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	1
Potassium, Dissolved	15.	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Sodium, Dissolved	1400.	mg/L	5.0	0.10	200.7/6010	05/28/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Zinc, Dissolved	1.1	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME23ICW2
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SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-12
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #5	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	200.	mg/L	1.0	0.10	200.7/6010	05/24/96	CD	1
Antimony, Dissolved	<0.040	mg/L	5.0	0.008	204.2/7041	05/28/96	CD	1,2
Arsenic, Dissolved	0.025	mg/L	1.0	0.008	200.7/6010	05/24/96	CD	1
Barium, Dissolved	0.018	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Beryllium, Dissolved	0.027	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Cadmium, Dissolved	0.014	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	1
Calcium, Dissolved	300.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Chromium, Dissolved	14.	mg/L	5.0	0.015	200.7/6010	05/28/96	CD	1
Cobalt, Dissolved	1.1	mg/L	1.0	0.030	200.7/6010	05/24/96	CD	1
Copper, Dissolved	0.69	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Iron, Dissolved	20.	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	1
Lead, Dissolved	0.028	mg/L	1.0	0.005	200.7/6010	05/24/96	CD	1
Magnesium, Dissolved	170.	mg/L	1.0	0.050	200.7/6010	05/24/96	CD	1
Manganese, Dissolved	14.	mg/L	1.0	0.005	200.7/6010	05/24/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/23/96 by DJE using 3010
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/12/96

LJO/kdwlp(dw)
ME23ICW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

340 County Road No. 5
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210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0990-12
Report Date: 06/12/96
PO No. : C950085
Project : OLIN-WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
MP-3 #5	Aqueous	RICH SCHMIDT	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	1.1	mg/L	1.0	0.040	200.7/6010	05/24/96	CD	2
Potassium, Dissolved	15.	mg/L	1.0	1.0	200.7/6010	05/24/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/24/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	2
Sodium, Dissolved	1600.	mg/L	5.0	0.10	200.7/6010	05/24/96	EM	2
Thallium, Dissolved	0.020	mg/L	1.0	0.015	200.7/6010	05/24/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	2
Zinc, Dissolved	2.1	mg/L	1.0	0.025	200.7/6010	05/24/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/23/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-1
Report Date: 05/24/96
PO No. : 787-M0

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
SD001XXBKR	Solid	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Solids-Total Residue (TS)	59.	wt %	1.0	0.10	CLP/CIP SOW	05/23/96	JF	1
Total Organic Carbon	17000	µg/g	1.0	100	Lloyd Kahn	05/23/96	LT	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/22/96 by JF

05/24/96

LJO/ejnejn/lat/pph

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-1
Report Date: 05/24/96
PO No. : 787-MO

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
SD001XXBKR	Solid	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Pesticides by USEPA 8080								1
alpha-BHC	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
gamma-BHC (Lindane)	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
Heptachlor	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
Aldrin	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
beta-BHC	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
delta-BHC	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
Heptachlor epoxide	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
Endosulfan I	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
gamma-Chlordane	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
alpha-Chlordane	<2.9	µg/kgdrywt	1.7	1.7	EPA 8080	05/23/96	SW	
4,4'-DDE	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Dieldrin	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Endrin	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
4,4'-DDD	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Endosulfan II	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/22/96 by BWG using EPA 3550A

05/24/96

LJO/jcbejn/kp(dw)/sw

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-1
Report Date: 05/24/96
PO No. : 787-MO

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
SD001XXBKR	Solid	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4,4'-DDT	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Endrin aldehyde	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Endosulfan sulfate	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Methoxychlor	<29.	µg/kgdrywt	1.7	17	EPA 8080	05/23/96	SW	
Endrin ketone	<5.6	µg/kgdrywt	1.7	3.3	EPA 8080	05/23/96	SW	
Toxaphene	<56.	µg/kgdrywt	1.7	33	EPA 8080	05/23/96	SW	
2,4,5,6-Tetrachloro-meta-xylene (%	79.	%	1.7		EPA 8080	05/23/96	SW	
Decachlorobiphenyl (% Recovery)	84.	%	1.7		EPA 8080	05/23/96	SW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

05/24/96

LJO/jcbejn/kp(dw)/sw

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-2
Report Date: 05/24/96
PO No. : 787-MO

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
QS003XXBKX	Aqueous	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Total Organic Carbon (TOC)	<1.0	mg/L	1.0	1.0	415.1	05/23/96	BC	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

05/24/96

LJO/ejnbac/kp(dw)

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-2
Report Date: 05/24/96
PO No. : 787-MD

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
QS003XXBKX	Aqueous	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Pesticides by USEPA 8080								1
alpha-BHC	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
gamma-BHC (Lindane)	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
Heptachlor	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
Aldrin	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
beta-BHC	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
delta-BHC	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
Heptachlor epoxide	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
Endosulfan I	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
gamma-Chlordane	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
alpha-Chlordane	<0.05	µg/L	1.0	0.05	EPA 8080	05/23/96	SW	
4,4'-DDE	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Dieldrin	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Endrin	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
4,4'-DDD	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Endosulfan II	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/22/96 by NEN using EPA 3510

05/24/96

LJO/jcbejn/kp(dw)/sw

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0992-2
Report Date: 05/24/96
PO No. : 787-MO

CLIENT: NORM RICHARDSON
ABB-WAKEFIELD
CORPORATE PLACE 128, BUILDING 3, SUITE 25
WAKEFIELD, MA 01880

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
QS003XXBKX	Aqueous	D.TUTTLE	05/21/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4,4'-DDT	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Endrin aldehyde	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Endosulfan sulfate	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Methoxychlor	<0.5	µg/L	1.0	0.5	EPA 8080	05/23/96	SW	
Endrin ketone	<0.1	µg/L	1.0	0.1	EPA 8080	05/23/96	SW	
Toxaphene	<1	µg/L	1.0	1	EPA 8080	05/23/96	SW	
2,4,5,6-Tetrachloro-meta-xylene (%	71.	%	1.0		EPA 8080	05/23/96	SW	
Decachlorobiphenyl (% Recovery)	62.	%	1.0		EPA 8080	05/23/96	SW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

05/24/96

LJO/jcbejn/kp(dw)/sw

CC: DENNIS TUTTLE
ABB-MA

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-1
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #4	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	450.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.022	mg/L	1.0	0.008	200.7/6010	05/30/96	CD	1
Arsenic, Dissolved	0.054	mg/L	1.0	0.008	200.7/6010	05/30/96	CD	1
Barium, Dissolved	0.022	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Beryllium, Dissolved	0.048	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Cadmium, Dissolved	0.026	mg/L	1.0	0.010	200.7/6010	05/30/96	CD	1
Calcium, Dissolved	440.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	53	mg/L	10	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	3.6	mg/L	20	0.015	6010	05/30/96	EM	2
Cobalt, Dissolved	2.3	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	2.0	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	75.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.046	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Magnesium, Dissolved	340.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Manganese, Dissolved	32.	mg/L	25	0.005	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/23/96 by GFB using 7195

06/12/96

LJO/kdwlp(dw)
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0995-1
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #4	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	2.2	mg/L	25	0.040	200.7/6010	05/31/96	CD	2
Potassium, Dissolved	25.	mg/L	1.0	1.0	200.7/6010	05/31/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/30/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/30/96	CD	2
Sodium, Dissolved	2900.	mg/L	10	0.10	200.7/6010	06/03/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/30/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/30/96	CD	2
Zinc, Dissolved	4.1	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/30/96 by DJE using 3010

06/12/96

LJO/kdwlp(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-2
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #3	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	930.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.068	mg/L	1.0	0.008	200.7/6010	05/30/96	CD	1
Arsenic, Dissolved	0.15	mg/L	1.0	0.008	200.7/6010	05/30/96	CD	1
Barium, Dissolved	0.026	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Beryllium, Dissolved	0.094	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Cadmium, Dissolved	0.043	mg/L	1.0	0.010	200.7/6010	05/30/96	CD	1
Calcium, Dissolved	460.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	290.	mg/L	50	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	21.	mg/L	100	0.015	6010	05/30/96	EM	2
Cobalt, Dissolved	3.2	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	2.8	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	520.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.096	mg/L	1.0	0.005	200.7/6010	05/30/96	CD	1
Magnesium, Dissolved	600.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Manganese, Dissolved	78.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/23/96 by GFB using 7195

06/12/96

LJO/kdwkdw
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-2
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #3	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	3.7	mg/L	25	0.040	200.7/6010	05/31/96	CD	2
Potassium, Dissolved	54.	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/30/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/30/96	CD	2
Sodium, Dissolved	6800.	mg/L	50	0.10	200.7/6010	05/31/96	EM	2
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	2,3
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/30/96	CD	2
Zinc, Dissolved	8.2	mg/L	25	0.025	200.7/6010	05/31/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/30/96 by DJE using 3010
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/12/96

LJO/kdwkdw
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-3
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #2	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1400.	mg/L	25	0.10	200.7/6010	05/30/96	CD	1
Antimony, Dissolved	<0.20	mg/L	25	0.008	200.7/6010	05/30/96	CD	1,2
Arsenic, Dissolved	0.43	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/30/96	CD	1,2
Beryllium, Dissolved	0.16	mg/L	25	0.005	200.7/6010	05/30/96	CD	1
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/30/96	CD	1,2
Calcium, Dissolved	530.	mg/L	25	0.050	200.7/6010	05/30/96	CD	1
Chromium, Dissolved	830.	mg/L	25	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	47.	mg/L	100	0.015	6010	05/30/96	EM	3
Cobalt, Dissolved	4.6	mg/L	25	0.030	200.7/6010	05/30/96	CD	1
Copper, Dissolved	4.2	mg/L	25	0.025	200.7/6010	05/30/96	CD	1
Iron, Dissolved	1800.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.24	mg/L	25	0.005	200.7/6010	05/30/96	CD	1
Magnesium, Dissolved	830.	mg/L	25	0.050	200.7/6010	05/30/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) Sample Preparation on 05/30/96 by DJE using 3010

(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

(3) Sample Preparation on 05/23/96 by GFB using 7195

06/12/96

LJO/kdwkdw
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-3
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #2	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	130.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	5.1	mg/L	25	0.040	200.7/6010	05/30/96	CD	1
Potassium, Dissolved	100.	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/30/96	CD	1,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/30/96	CD	1,3
Sodium, Dissolved	12000	mg/L	50	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Vanadium, Dissolved	<0.63	mg/L	25	0.025	200.7/6010	05/30/96	CD	1,3
Zinc, Dissolved	12.	mg/L	25	0.025	200.7/6010	05/30/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/12/96

LJO/kdwkdw
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-0995-4
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #1	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1500.	mg/L	25	0.10	200.7/6010	05/30/96	CD	1
Antimony, Dissolved	<0.20	mg/L	25	0.008	200.7/6010	05/30/96	CD	1,2
Arsenic, Dissolved	0.62	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/30/96	CD	1,2
Beryllium, Dissolved	0.19	mg/L	25	0.005	200.7/6010	05/30/96	CD	1
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/30/96	CD	1,2
Calcium, Dissolved	520.	mg/L	25	0.050	200.7/6010	05/30/96	CD	1
Chromium, Dissolved	1100.	mg/L	25	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	79.	mg/L	100	0.015	6010	05/30/96	EM	3
Cobalt, Dissolved	6.7	mg/L	25	0.030	200.7/6010	05/30/96	CD	1
Copper, Dissolved	10.	mg/L	25	0.025	200.7/6010	05/30/96	CD	1
Iron, Dissolved	1800.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.23	mg/L	25	0.005	200.7/6010	05/30/96	CD	1
Magnesium, Dissolved	930.	mg/L	25	0.050	200.7/6010	05/30/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
(3) Sample Preparation on 05/23/96 by GFB using 7195

06/12/96

LJO/kdwkdw
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0995-4
Report Date: 06/12/96
PO No. : C950085
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-3 #1	Aqueous	CLIENT	05/22/96	05/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	200.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	6.5	mg/L	25	0.040	200.7/6010	05/30/96	CD	1
Potassium, Dissolved	100.	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/30/96	CD	1,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/30/96	CD	1,3
Sodium, Dissolved	12000.	mg/L	50	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Vanadium, Dissolved	<0.63	mg/L	25	0.025	200.7/6010	05/30/96	CD	1,3
Zinc, Dissolved	14.	mg/L	25	0.025	200.7/6010	05/30/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/12/96

LJO/kdwkdw
ME30ICW3
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-1
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #18	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.022	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	600	mg/L	5.0	0.050	200.7/6010	05/30/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	06/07/96	EM	2
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	4.0	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.22	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010
(2) Sample Preparation on 06/06/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-1
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #18	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	6.9	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	72.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-2
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #17	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.020	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	590	mg/L	5.0	0.050	200.7/6010	05/30/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	06/07/96	EM	2
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	4.1	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.16	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010
(2) Sample Preparation on 06/06/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-2
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #17	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	7.4	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	66.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-3
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #16	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	560	mg/L	5.0	0.050	200.7/6010	05/30/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	EM	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	15.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	1.3	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-3
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #16	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	3.3	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	180.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-4
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #14	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.007	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	130.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	0.60	mg/L	1.0	0.025	200.7/6010	06/04/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	13.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.51	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-4
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #14	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	3.7	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	190.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-5
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #13	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.016	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	120.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	06/04/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	6.5	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.19	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwp1c(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-5
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #13	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	2.4	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	68.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-6
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #12	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.020	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	130.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	EM	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	3.9	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.24	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-6
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #12	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	1.9	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	46.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

210 West Road No. 5, Portsmouth, NH 03801
Tel. (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-7
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #11	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.021	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	130.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	EM	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	3.7	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.24	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1004-7
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #11	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	1.9	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	34.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-8
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #10	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/29/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/29/96	CD	1
Barium, Dissolved	0.021	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	1
Calcium, Dissolved	120.	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	1
Chromium, Hexavalent	<0.010	mg/L	1.0	0.010	7196	05/23/96	CM	
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/29/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	EM	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1
Magnesium, Dissolved	3.6	mg/L	1.0	0.050	200.7/6010	05/29/96	EM	1
Manganese, Dissolved	0.25	mg/L	1.0	0.005	200.7/6010	05/29/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME29ICW1
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1004-8
Report Date: 06/14/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #10	Aqueous	CLIENT	05/22/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/29/96	CD	2
Potassium, Dissolved	1.8	mg/L	1.0	1.0	200.7/6010	05/29/96	EM	2
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/29/96	CD	2
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Sodium, Dissolved	39.	mg/L	1.0	0.10	200.7/6010	05/29/96	EM	2
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/29/96	CD	2
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/29/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/29/96 by DJE using 3010

06/14/96

LJO/kdwplc(dw)
ME30HGW2
CC: BRUCE CRUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-1
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #4	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1300.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.061	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	0.16	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	0.007	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Beryllium, Dissolved	0.067	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	0.047	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Calcium, Dissolved	530.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	350.	mg/L	50	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	7.0	mg/L	50	0.015	6010	05/30/96	EM	2
Cobalt, Dissolved	3.6	mg/L	1.0	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	5.3	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	190.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.030	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	1100.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Manganese, Dissolved	120.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/24/96 by GFB using 7195

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

340 County Road No. 5
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Tel: (207) 874-2400 Fax: (207) 775-4029

210 West Road No. 5, Portsmouth, NH 03801
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-1
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #4	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	5.4	mg/L	25	0.040	200.7/6010	05/31/96	CD	2
Potassium, Dissolved	<5.0	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	2,3
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	2
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	2,3
Sodium, Dissolved	8900.	mg/L	50	0.10	200.7/6010	05/31/96	EM	2
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	2,3
Vanadium, Dissolved	<0.63	mg/L	25	0.025	200.7/6010	05/31/96	CD	2,3
Zinc, Dissolved	10.	mg/L	25	0.025	200.7/6010	05/31/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/30/96 by DJE using 3010
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
ME29HGW2
CC: SMITH BCM

340 County Road No. 5
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210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-2
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #1	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	2100.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.99	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	0.92	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Beryllium, Dissolved	0.14	mg/L	25	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,2
Calcium, Dissolved	460.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	2100.	mg/L	500	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	70	mg/L	100	0.015	6010	05/30/96	EM	3
Cobalt, Dissolved	12.	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	9.7	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	3400.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	0.22	mg/L	25	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	1800.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) Sample Preparation on 05/30/96 by DJE using 3010

(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

(3) Sample Preparation on 05/24/96 by GFB using 7195

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

340 County Road No. 5
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-2
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #1	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	260.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	3.1	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	9.9	mg/L	25	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	45.	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.25	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Sodium, Dissolved	23000.	mg/L	100	0.10	200.7/6010	06/03/96	EM	1
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Vanadium, Dissolved	1.7	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	21.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-3
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #2	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1700.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.81	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	0.80	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Beryllium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,2
Calcium, Dissolved	550.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	1800.	mg/L	500	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	42	mg/L	100	0.015	6010	05/30/96	EM	3
Cobalt, Dissolved	10.	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	9.2	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	2300.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Magnesium, Dissolved	1400.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
(3) Sample Preparation on 05/24/96 by GFB using 7195

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-3
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #2	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	220.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	0.58	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	8.0	mg/L	25	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	21.	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Sodium, Dissolved	19000.	mg/L	50	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Vanadium, Dissolved	1.2	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	16.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-4
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #3	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1800.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.59	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	0.54	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Beryllium, Dissolved	0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,2
Calcium, Dissolved	550.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	1400.	mg/L	500	0.015	200.7/6010	05/31/96	EM	1
Chromium, Hexavalent	28	mg/L	100	0.015	6010	05/30/96	EM	3
Cobalt, Dissolved	7.2	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	6.8	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	1800.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Magnesium, Dissolved	1200.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
(3) Sample Preparation on 05/24/96 by GFB using 7195

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-4
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #3	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	160.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	7.0	mg/L	25	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	<5.0	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	1,3
Selenium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Sodium, Dissolved	16000.	mg/L	50	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	1,3
Vanadium, Dissolved	0.93	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	13.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
ME30ICW3
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-5
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #3DUP	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1700.	mg/L	25	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	0.56	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	0.51	mg/L	25	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Beryllium, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Cadmium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	1,2
Calcium, Dissolved	540.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	1400.	mg/L	500	0.015	200.7/6010	05/31/96	EM	1
Cobalt, Dissolved	7.1	mg/L	25	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	6.7	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	1800.	mg/L	25	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.13	mg/L	25	0.005	200.7/6010	05/31/96	CD	1,2
Magnesium, Dissolved	1200.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Manganese, Dissolved	160.	mg/L	50	0.005	200.7/6010	05/31/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
(3) Sample Preparation on 05/24/96 by GFB using 7195

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-5
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #3DUP	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	1
Nickel, Dissolved	6.8	mg/L	25	0.040	200.7/6010	05/31/96	CD	2
Potassium, Dissolved	<5.0	mg/L	5.0	1.0	200.7/6010	05/31/96	EM	2,3
Selenium, Dissolved	<0.25	mg/L	25	0.010	200.7/6010	05/31/96	CD	2,3
Silver, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	2,3
Sodium, Dissolved	15000.	mg/L	50	0.10	200.7/6010	05/31/96	EM	2
Thallium, Dissolved	<0.38	mg/L	25	0.015	200.7/6010	05/31/96	CD	2,3
Vanadium, Dissolved	0.91	mg/L	25	0.025	200.7/6010	05/31/96	CD	2
Zinc, Dissolved	13.	mg/L	25	0.025	200.7/6010	05/31/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/29/96 by GFB using 245.1
(2) Sample Preparation on 05/30/96 by DJE using 3010
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp (dw)
ME29HGW3
CC: SMITH BCM

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210 West Road No. 5, Portsmouth, NH 03801
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-6
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
MP-1 #5	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	110.	mg/L	1.0	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	0.009	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Beryllium, Dissolved	0.008	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Calcium, Dissolved	440.	mg/L	25	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	3.5	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	<0.15	mg/L	10	0.015	6010	05/30/96	EM	2,3
Cobalt, Dissolved	0.28	mg/L	1.0	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	0.25	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	6.5	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	150.	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/24/96 by GFB using 7195
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1013-6
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #5	Aqueous	R.SCHMIDT	05/23/96	05/23/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	9.3	mg/L	1.0	0.005	200.7/6010	05/31/96	EM	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	0.44	mg/L	1.0	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	<1.0	mg/L	1.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Sodium, Dissolved	800.	mg/L	5.0	0.10	200.7/6010	06/03/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	0.96	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-7
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #7	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	0.013	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Calcium, Dissolved	210.	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	<0.15	mg/L	10	0.015	6010	05/30/96	EM	2,3
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	3.6	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/24/96 by GFB using 7195
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-7
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #7	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	0.27	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	1.1	mg/L	1.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Sodium, Dissolved	33.	mg/L	1.0	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-8
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #6	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.51	mg/L	1.0	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	0.008	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Calcium, Dissolved	230.	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	0.029	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	<0.15	mg/L	10	0.015	6010	05/30/96	EM	2,3
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	0.79	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	9.6	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1

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(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/24/96 by GFB using 7195
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwkdw
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-8
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #6	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	0.54	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	1.5	mg/L	1.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Sodium, Dissolved	85.	mg/L	1.0	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	0.032	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

07/11/96

LJO/kdwkdw
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-9
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #8	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	05/31/96	CD	1
Antimony, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Arsenic, Dissolved	<0.008	mg/L	1.0	0.008	200.7/6010	05/31/96	CD	1
Barium, Dissolved	0.022	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Beryllium, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Cadmium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Calcium, Dissolved	120.	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1
Chromium, Dissolved	0.033	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Chromium, Hexavalent	<0.15	mg/L	10	0.015	6010	05/30/96	EM	2,3
Cobalt, Dissolved	<0.030	mg/L	1.0	0.030	200.7/6010	05/31/96	CD	1
Copper, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Iron, Dissolved	0.062	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Lead, Dissolved	<0.005	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Magnesium, Dissolved	3.9	mg/L	1.0	0.050	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/24/96 by GFB using 7195
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

07/11/96

LJO/kdwlp (dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1013-9
Report Date: 07/11/96
PO No. : C95008J
Project : OLIN WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MP-1 #8	Aqueous	R.SCHMIDT	05/23/96	05/24/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Manganese, Dissolved	0.34	mg/L	1.0	0.005	200.7/6010	05/31/96	CD	1
Mercury, Dissolved	<0.20	µg/L	1.0	0.20	245.1	05/30/96	GB	2
Nickel, Dissolved	<0.040	mg/L	1.0	0.040	200.7/6010	05/31/96	CD	1
Potassium, Dissolved	<1.0	mg/L	1.0	1.0	200.7/6010	05/31/96	EM	1
Selenium, Dissolved	<0.010	mg/L	1.0	0.010	200.7/6010	05/31/96	CD	1
Silver, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Sodium, Dissolved	49.	mg/L	1.0	0.10	200.7/6010	05/31/96	EM	1
Thallium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	05/31/96	CD	1
Vanadium, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1
Zinc, Dissolved	<0.025	mg/L	1.0	0.025	200.7/6010	05/31/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 05/30/96 by DJE using 3010
(2) Sample Preparation on 05/29/96 by GFB using 245.1

07/11/96

LJO/kdwlp(dw)
ME30ICW3
CC: SMITH BCM

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1130-1
Report Date: 06/14/96
PO No. : SE-CH-827-VAR-C

CLIENT: BRUCE CUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MW-64D	Aqueous	N ROKA ABB	06/06/96	06/07/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Calcium, Dissolved	95.	mg/L	1.0	0.050	200.7/6010	06/13/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	06/12/96	GB	1
Magnesium, Dissolved	25.	mg/L	1.0	0.050	200.7/6010	06/12/96	GB	1
Potassium, Dissolved	9.3	mg/L	1.0	1.0	200.7/6010	06/13/96	EM	1
Sodium, Dissolved	180.	mg/L	1.0	0.10	200.7/6010	06/13/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 06/12/96 by DJE using 3010

06/14/96

LJO/kdwlp(dw)
MF12ICW1
CC: 423/336-4511*STEVE MORROW
OLIN CHEMICALS
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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1130-1
Report Date: 06/14/96
PO No. : SE-CH-827-VAR-C

CLIENT: BRUCE CUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MW-64D	Aqueous	N ROKA ABB	06/06/96	06/07/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Alkalinity, as CaCO3	64.	mg/L	1.0	20	310.1	06/14/96	CM	
Chloride, Dissolved	150.	mg/L	1.0	2.0	325.2	06/12/96	BC	
Nitrate as N, Dissolved	<2.5	mg/L	50	0.050	353.2	06/07/96	CM	1
Nitrogen-Ammonia as N, Dissolved	10	mg/L	1.0	0.10	350.1	06/13/96	CM	
Sulfate, Dissolved	290.	mg/L	20	1.0	375.4	06/13/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/14/96

LJO/ejnlp(dw)/pph

CC: 423/336-4511*STEVE MORROW
OLIN CHEMICALS
P.O. BOX 248
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US EPA ARCHIVE DOCUMENT

CLIENT: BRUCE CUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

Lab Number : WM-1130-2
Report Date: 06/14/96
PO No. : SE-CH-827-VAR-C

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MW-64DS	Aqueous	N ROKA ABB	06/06/96	06/07/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Calcium, Dissolved	110.	mg/L	1.0	0.050	200.7/6010	06/13/96	EM	1
Chromium, Dissolved	<0.015	mg/L	1.0	0.015	200.7/6010	06/12/96	GB	1
Magnesium, Dissolved	29.	mg/L	1.0	0.050	200.7/6010	06/12/96	GB	1
Potassium, Dissolved	10.	mg/L	1.0	1.0	200.7/6010	06/13/96	EM	1
Sodium, Dissolved	200.	mg/L	1.0	0.10	200.7/6010	06/13/96	EM	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 06/12/96 by DJE using 3010

06/14/96

LJO/kdwlp(dw)
MF12ICW1
CC: 423/336-4511*STEVE MORROW
OLIN CHEMICALS
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LOWER RIVER ROAD

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1130-2
Report Date: 06/14/96
PO No. : SE-CH-827-VAR-C

CLIENT: BRUCE CUSHING
SMITH ENVIRONMENTAL TECHNOLOGIES
ONE PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MW-64DS	Aqueous	N ROKA ABB	06/06/96	06/07/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Alkalinity, as CaCO3	76.	mg/L	1.0	20	310.1	06/14/96	CM	
Chloride, Dissolved	210.	mg/L	1.0	2.0	325.2	06/12/96	BC	
Nitrate as N, Dissolved	<2.5	mg/L	50	0.050	353.2	06/07/96	CM	1
Nitrogen-Ammonia as N, Dissolved	14	mg/L	2.0	0.10	350.1	06/13/96	CM	
Sulfate, Dissolved	510.	mg/L	50	1.0	375.4	06/13/96	WL	

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(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

06/14/96

LJO/ejnlp(dw)/pph

CC: 423/336-4511*STEVE MORROW
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LOWER RIVER ROAD

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-0

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-01

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-02

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-03

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-3

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-04

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-4

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-05

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-5

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-06

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-6

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-07

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-7

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-08

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-7D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-09

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D-25FT.

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1461 SAS No.: _____ SDG No.: A1461

Matrix (soil/water): WATER Lab Sample ID: F961461A-10

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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TABLE CC-1.0
7096-1461A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	GW64D-0	GW64D-1	GW64D-2	GW64D-3	GW64D-4
Ammonia-Nitrogen	9.25	7.92	7.15	7.40	7.02
Chloride	132	126	123	123	121
Sulfate	226	204	206	195	210

Parameter	GW64D-5	GW64D-6	GW64D-7	MW64D-7D	MW64D-25FT.
Ammonia-Nitrogen	8.30	7.18	7.26	8.92	8.92
Chloride	122	127	125	125	93.5
Sulfate	201	218	14.0	215	102

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-1
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW11	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/01/96 by DJE using 3010

08/12/96

LJO/kdwkdw
MH01ICW1
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OLIN CHEMICALS
P.O. BOX 248
LOWER RIVER ROAD

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-1
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW11	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	70.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	35.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	170.	mg/L	50	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.9	pH Units	1.0	0.1	150.1	07/30/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

08/12/96

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LOWER RIVER ROAD

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-2
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW43S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/01/96 by DJE using 3010

08/12/96

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LOWER RIVER ROAD

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Katahdin
ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-2
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW43S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	180.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	150.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	800.	mg/L	40	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.3	pH Units	1.0	0.1	150.1	07/30/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

08/12/96

LJO/ejnlp(dw)/pph

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OLIN CHEMICALS
P.O. BOX 248
LOWER RIVER ROAD

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-3
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW42S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.42	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/01/96 by DJE using 3010

08/12/96

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OLIN CHEMICALS
P.O. BOX 248
LOWER RIVER ROAD

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-3
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW42S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	74.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	5.3	mg/L	1.0	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	17.	mg/L	2.0	1.0	375.4	08/01/96	WL	
pH (Laboratory)	5.3	pH Units	1.0	0.1	150.1	07/30/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

08/12/96

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-4
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW39	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/01/96 by DJE using 3010

08/12/96

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-4
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
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WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW39	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	33.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	0.53	mg/L	1.0	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	210.	mg/L	20	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.0	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-5
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW24	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-5
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
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WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW24	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	120.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	110.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	350.	mg/L	20	1.0	375.4	08/01/96	WL	
pH (Laboratory)	7.5	pH Units	1.0	0.1	150.1	07/30/96	JF	

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CLIENT: DON CAMERON
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51 EAMES STREET
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Lab Number : WM-1622-6
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW25	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	0.0166	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
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51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-6
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW25	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	73.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	38.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	190.	mg/L	10	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.2	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
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51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-7
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW26	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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CLIENT: DON CAMERON
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51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-7
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW26	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	29.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	38.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	150.	mg/L	20	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.4	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

Lab Number : WM-1622-8
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
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WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW10S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	1.81	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
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WILMINGTON, MA 01887

Lab Number : WM-1622-8
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW10S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	11.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	2.5	mg/L	1.0	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	28.	mg/L	2.0	1.0	375.4	08/01/96	WL	
pH (Laboratory)	4.7	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

Lab Number : WM-1622-9
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
GW55S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	0.82	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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ANALYTICAL SERVICES

Lab Number : WM-1622-9
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW55S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	420.	mg/L	2.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	360.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	1800.	mg/L	100	1.0	375.4	08/01/96	WL	
pH (Laboratory)	5.8	pH Units	1.0	0.1	150.1	07/30/96	JF	

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-10
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW19S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
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Lab Number : WM-1622-10
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW19S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	4.5	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	0.92	mg/L	1.0	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	1200.	mg/L	100	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.4	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-11
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW35S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	0.0211	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1622-11
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
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WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW35S	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	43.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	51.	mg/L	50	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	490.	mg/L	50	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.7	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

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Lab Number : WM-1622-12
Report Date: 08/12/96
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Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW35S DUP	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	0.0205	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

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(1) Sample Preparation on 08/01/96 by DJE using 3010

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ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-12
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PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GW35S DUP	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	44.	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	48.	mg/L	50	0.10	350.1	08/06/96	CM	
Sulfate, Dissolved	490.	mg/L	50	1.0	375.4	08/01/96	WL	
pH (Laboratory)	6.7	pH Units	1.0	0.1	150.1	07/30/96	JF	

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ANALYTICAL SERVICES

Lab Number : WM-1622-13
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
RINSE BLANK	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Dissolved	<0.10	mg/L	1.0	0.10	200.7/6010	08/01/96	CD	1
Chromium, Dissolved	<0.0150	mg/L	1.0	0.0150	200.7/6010	08/01/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/01/96 by DJE using 3010

08/12/96

LJO/kdwkdw
MH01ICW1
CC: 423/336-4511*STEVE MORROW
OLIN CHEMICALS
P.O. BOX 248
LOWER RIVER ROAD

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Katahdin
ANALYTICAL SERVICES

CLIENT: DON CAMERON
OLIN CHEMICALS
51 EAMES STREET
WILMINGTON, MA 01887

Lab Number : WM-1622-13
Report Date: 08/12/96
PO No. : SE-CH-827-VAR-C
Project : WEIR

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
RINSE BLANK	Aqueous	T.EBNER&A.HANNER	07/29/96	07/30/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride, Dissolved	<2.0	mg/L	1.0	2.0	325.2	08/05/96	BC	
Nitrogen-Ammonia as N, Dissolved	<0.10	mg/L	1.0	0.10	350.1	07/30/96	CM	
Sulfate, Dissolved	<1.0	mg/L	1.0	1.0	375.4	08/01/96	WL	
pH (Laboratory)	7.1	pH Units	1.0	0.1	150.1	07/30/96	JF	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

08/12/96

LJO/ejnlp(dw)/pph

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0016

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT #1A

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-01

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Total Metals

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1
INORGANIC ANALYSES DATA SHEET

017

EPA SAMPLE NO.

CHESTNUT #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-02

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-03

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-04

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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EPA SAMPLE NO.

BUTTERS ROW #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-05

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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EPA SAMPLE NO.

GW64S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-06

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-07

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: 0023

BUTTERS ROW #2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-08

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-09

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

REVISED DATA
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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-10

Level (low/med): LOW Date Received: 08/01/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Total Metals

REVISED DATA

RESUBMITTED BY LABORATORY

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TOWN PARK #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-11

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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027

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW73S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-12

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 028

GW73D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-13

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

REVISED DATA
RESUBMITTED BY LABORATORY

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0029

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-14

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

REVISED DATA
RESUBMITTED BY LABORATORY

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SIGNATURE DATE

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-15

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-16

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #3

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1462 SAS No.: _____ SDG No.: A1462

Matrix (soil/water): WATER Lab Sample ID: T961462A-17

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW81D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1480 SAS No.: _____ SDG No.: A1480

Matrix (soil/water): WATER Lab Sample ID: F961480A-01

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	477.			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	11900			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100.	U		P
7439-92-1	Lead	3.0	U	*	P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR
	Silicon	2050			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW81BR

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1480 SAS No.: _____ SDG No.: A1480

Matrix (soil/water): WATER Lab Sample ID: F961480A-02

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100.	U		P
7439-92-1	Lead	3.0	U	*	P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	8260			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	46400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR
	Silicon	4090			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW81D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1480 SAS No.: _____ SDG No.: A1480

Matrix (soil/water): WATER Lab Sample ID: T961480A-01

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR
	Silicon				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW81BR

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1480 SAS No.: _____ SDG No.: A1480

Matrix (soil/water): WATER Lab Sample ID: T961480A-02

Level (low/med): LOW Date Received: 08/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR
	Silicon				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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TABLE CC-1.0
7096-1480A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	GW81D	GW81BR
Ammonia-Nitrogen	<0.04	<0.04
Bicarbonate	24.0	64.0
Carbonate, as $CaCO_3$	10.1	4.80
Hexavalent Chromium (total)	<0.010	<0.010
Hexavalent Chromium (dissolved)	<0.010	<0.010
Trivalent Chromium (total)	<0.010	<0.010
Trivalent Chromium (dissolved)	<0.010	<0.010
Nitrate-Nitrogen	1.68	0.49
Nitrite-Nitrogen	<0.005	<0.005
Phosphorus	<0.10	<0.10
Ortho-Phosphorus	<0.10	<0.10
Sulfide	<1.0	<1.0
Total Dissolved Solids	79.0	202
Total Organic Carbon	2.94	12.0

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-1
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
A	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	31.9	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	32.4	mg/L	5.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.255	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	35.9	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	9.99	mg/L	5.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.532	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-1
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
A	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	380.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	120.	mg/L	50	0.10	350.1	08/23/96	CM	
Sulfate	1400.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-2
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
B	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	0.42	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	0.161	mg/L	1.0	0.0150	200.7/6010	08/23/96	EM	1
Copper, Total	0.0435	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	0.576	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	0.686	mg/L	1.0	0.0050	200.7/6010	08/23/96	EM	1
Zinc, Total	0.132	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-2
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
B	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	28.	mg/L	1.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	5.9	mg/L	1.0	0.10	350.1	08/21/96	CM	
Sulfate	72.	mg/L	10	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-3
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
C	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	36.8	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	51.4	mg/L	10.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.253	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	38.8	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	10.8	mg/L	10.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.386	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-3
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
C	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	390.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	120.	mg/L	50	0.10	350.1	08/21/96	CM	
Sulfate	1500.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-4
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
C1	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	35.9	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	50.0	mg/L	10.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.248	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	37.9	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	10.6	mg/L	10.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.390	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-4
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
C1	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	390.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	120.	mg/L	50	0.10	350.1	08/21/96	CM	
Sulfate	1500.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-5
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
D	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	0.78	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	0.269	mg/L	1.0	0.0150	200.7/6010	08/23/96	EM	1
Copper, Total	<0.0250	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	1.31	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	0.680	mg/L	1.0	0.0050	200.7/6010	08/23/96	EM	1
Zinc, Total	0.113	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-5
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
D	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	24.	mg/L	1.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	6.6	mg/L	1.0	0.10	350.1	08/21/96	CM	
Sulfate	72.	mg/L	10	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-6
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
E	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	37.3	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	59.6	mg/L	10.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.245	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	39.1	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	11.0	mg/L	10.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.343	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-6
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
E	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	400.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	110.	mg/L	50	0.10	350.1	08/21/96	CM	
Sulfate	1500.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

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CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-7
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
F	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	1.40	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	0.557	mg/L	1.0	0.0150	200.7/6010	08/23/96	EM	1
Copper, Total	<0.0250	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	1.65	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	0.637	mg/L	1.0	0.0050	200.7/6010	08/23/96	EM	1
Zinc, Total	0.076	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-7
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
F	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	22.	mg/L	1.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	6.9	mg/L	1.0	0.10	350.1	08/21/96	CM	
Sulfate	72.	mg/L	10	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

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US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-8
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
G	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	37.0	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	63.5	mg/L	10.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.234	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	38.7	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	10.9	mg/L	10.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.312	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-8
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
G	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	400.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	130.	mg/L	50	0.10	350.1	08/21/96	CM	
Sulfate	1500.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-9
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
H	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	1.66	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	1.20	mg/L	1.0	0.0150	200.7/6010	08/23/96	EM	1
Copper, Total	<0.0250	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	1.77	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	0.608	mg/L	1.0	0.0050	200.7/6010	08/23/96	EM	1
Zinc, Total	0.056	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

LJO/kdwkdw
MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-9
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
H	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	22.	mg/L	1.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	7.1	mg/L	1.0	0.10	350.1	08/21/96	CM	
Sulfate	72.	mg/L	10	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

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CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-10
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
I	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	38.9	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	72.8	mg/L	10.0	0.015	200.7/6010	08/27/96	EM	1
Copper, Total	0.229	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	42.1	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	11.3	mg/L	10.0	0.005	200.7/6010	08/27/96	EM	1
Zinc, Total	0.291	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-10
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
I	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	400.	mg/L	5.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	130.	mg/L	50	0.10	350.1	08/21/96	CM	
Sulfate	1600.	mg/L	100	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-11
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
J	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	2.01	mg/L	1.0	0.10	200.7/6010	08/23/96	EM	1
Chromium, Total	2.99	mg/L	1.0	0.0150	200.7/6010	08/23/96	EM	1
Copper, Total	<0.0250	mg/L	1.0	0.0250	200.7/6010	08/23/96	EM	1
Iron, Total	1.91	mg/L	1.0	0.025	200.7/6010	08/23/96	EM	1
Manganese, Total	0.564	mg/L	1.0	0.0050	200.7/6010	08/23/96	EM	1
Zinc,. Total	0.027	mg/L	1.0	0.025	200.7/6010	08/28/96	CD	2

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/21/96 by DJE using 3010
(2) Sample Preparation on 08/27/96 by GFB using 3010

09/04/96

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MH21ICW2
CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1774-11
Report Date: 09/04/96
PO No. : C95008

CLIENT: MARK LESLIE
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
J	Aqueous	M.LESLIE	08/15/96	08/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chloride	20.	mg/L	1.0	2.0	325.2	08/22/96	LT	
Nitrogen-Ammonia as N	7.2	mg/L	1.0	0.10	350.1	08/21/96	CM	
Sulfate	79.	mg/L	10	1.0	375.4	08/28/96	WL	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/04/96

LJO/ejnlp(dw)

CC: OLIN-MORROW/SMITH-BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1818-1
Report Date: 09/09/96
PO No. : C95008M
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S00005-COL 2 FE+LIME	Solid	CLIENT	08/20/96	08/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Aluminum, Total	1000.	mg/kgdrywt	10.0	10	6010	08/28/96	CD	1
Antimony, Total	<12	mg/kgdrywt	20.0	0.8	6010	08/30/96	EM	1,2
Arsenic, Total	12.	mg/kgdrywt	5.0	0.8	6010	08/29/96	EM	1
Barium, Total	<4	mg/kgdrywt	10.0	0.5	6010	08/28/96	CD	1,2
Beryllium, Total	<3.6	mg/kgdrywt	10.0	0.50	6010	08/28/96	CD	1,2
Cadmium, Total	<7.23	mg/kgdrywt	10.0	1.0	6010	08/30/96	EM	1,2
Calcium, Total	87200	mg/kgdrywt	10.0	5	6010	08/28/96	CD	1
Chromium, Total	96.9	mg/kgdrywt	10.0	1.5	6010	08/28/96	CD	1
Cobalt, Total	73.8	mg/kgdrywt	10.0	3.0	6010	08/28/96	CD	1
Copper, Total	<18	mg/kgdrywt	10.0	2.5	6010	08/28/96	CD	1,2
Iron, Total	752000.	mg/kgdrywt	100.	2.5	6010	08/29/96	EM	1
Lead, Total	<7.2	mg/kgdrywt	20.0	0.50	6010	08/30/96	EM	1,2
Magnesium, Total	2260.	mg/kgdrywt	10.0	5	6010	08/28/96	CD	1
Manganese, Total	457.	mg/kgdrywt	10.0	0.5	6010	08/28/96	CD	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/23/96 by DJE using 3050
(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

09/09/96

LJO/kdwkdw
MH23ICS1
CC: OLIN/MORROW-SMITH BCM

US EPA ARCHIVE DOCUMENT

Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1818-1
Report Date: 09/09/96
PO No. : C95008M
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S00005-COL 2 FE+LIME	Solid	CLIENT	08/20/96	08/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Mercury, Total	<0.100	µg/gdrywt	1.0	0.100	7471	09/06/96	GB	1
Nickel, Total	100.	mg/kgdrywt	10.0	4	6010	08/28/96	CD	2
Potassium, Total	<720	mg/kgdrywt	10.0	50	6010	08/28/96	CD	2,3
Selenium, Total	<36	mg/kgdrywt	50.0	1.0	6010	08/30/96	EM	2,3
Silver, Total	<5.42	mg/kgdrywt	5.0	1.50	6010	08/29/96	EM	2,3
Sodium, Total	2050.	mg/kgdrywt	10.0	10	6010	08/28/96	CD	2
Thallium, Total	<5.4	mg/kgdrywt	5.0	1.5	6010	08/29/96	EM	2,3
Vanadium, Total	738.	mg/kgdrywt	10.0	2.5	6010	08/28/96	CD	2
Zinc, Total	<18.1	mg/kgdrywt	10.0	2.5	6010	08/30/96	EM	2,3

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 09/05/96 by GFB using 7471
(2) Sample Preparation on 08/23/96 by DJE using 3050
(3) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

09/09/96

LJO/kdwkdw
MI05HGS1
CC: OLIN/MORROW-SMITH BCM

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Katahdin
ANALYTICAL SERVICES

CLIENT: RICH SCHMIDT
GEOMEGA
2995 BASELINE RD #202
BOULDER CO 80303

Lab Number : WM-1818-1
Report Date: 09/09/96
PO No. : C95008M
Project : OLIN-WILMINGTON

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S00005-COL 2 FE+LIME	Solid	CLIENT	08/20/96	08/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Solids-Total Residue (TS)	99.	wt %	1.0	0.10	CLP/CIP SOW	08/26/96	JF	1

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 08/23/96 by JF

09/09/96

LJO/ejnkwh/rlw(dw)

CC: OLIN/MORROW-SMITH BCM

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-01

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	31200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	6740			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	56400			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TOWN PARK #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-02

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	20400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	46600			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73-S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-03

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	24200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73-D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-04

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	32000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	10100			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	33100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-05

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	31800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	6920			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	61800			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT #1A

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-06

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	18100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	39100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63-S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-07

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	20100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	64600			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63-D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-08

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	55600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	8920			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	48600			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64-S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-09

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	8780			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	35000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64-D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-10

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	51400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	14100			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	89000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW #2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-11

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	22100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	33500			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62-S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-12

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	29400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	30300			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62-M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-13

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	26600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5760			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	29800			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62-D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-14

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	28900			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	7930			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	35600			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-15

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	31000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	6640			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	55700			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-16

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	51000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	13900			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	88700			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #3

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1654 SAS No.: _____ SDG No.: A1654

Matrix (soil/water): WATER Lab Sample ID: F961654A-17

Level (low/med): LOW Date Received: 08/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	29000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	7960			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	35900			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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TABLE CC-1.0
7096-1654A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	BUTTERS ROW #1	TOWN PARK #1	GW-73-S	GW-73-D	CHESTNUT #1	CHESTNUT #1A
Alkalinity, as $CaCO_3$	44.2	32.0	22.4	77.6	54.0	25.2
Ammonia-Nitrogen	4.77	0.21	<0.04	<0.04	1.64	0.54
Bicarbonate	44.2	32.0	22.4	77.6	54.0	25.2
Carbonate, as $CaCO_3$	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloride	102	98.3	19.9	80.9	126	76.7
pH, S.U.	6.24	6.18	6.43	6.78	6.37	6.11
Sulfate	105	30.9	12.3	29.6	61.7	37.9

Parameter	GW-63-S	GW-63-D	GW-64-S	GW-64-D	BUTTERS ROW #2	GW-62-S
Alkalinity, as $CaCO_3$	32.6	125	15.6	71.8	39.6	72.0
Ammonia-Nitrogen	0.16	0.22	0.08	9.41	0.52	1.44
Bicarbonate	32.6	125	15.6	71.8	39.6	72.0
Carbonate, as $CaCO_3$	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloride	144	87.0	69.6	136	66.6	57.4
pH, S.U.	6.02	6.61	5.92	6.31	6.24	6.10
Sulfate	13.6	52.7	13.6	247	44.0	54.3

Parameter	GW-62-M	GW-62-D	BLIND#1	BLIND#2	BLIND#3
Alkalinity, as $CaCO_3$	54.4	63.6	42.4	73.8	61.8
Ammonia-Nitrogen	1.42	2.21	4.94	9.87	2.12
Bicarbonate	54.4	63.6	42.4	73.8	61.8
Carbonate, as $CaCO_3$	<1.00	<1.00	<1.00	<1.00	<1.00
Chloride	50.9	59.8	102	136	60.2
pH, S.U.	6.35	6.23	6.19	6.36	6.43
Sulfate	51.5	67.9	96.7	242	66.7

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-01

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	39200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	8440			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	72100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TOWN PARK #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-02

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	20700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	55000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73-S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-03

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	29700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73-D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-04

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	33000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	10200			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	33500			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-05

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	37600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	8100			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	72400			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST #1A

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-06

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	18100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	42900			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-07

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	16000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	60100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-08

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	51100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	8090			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	54100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW #2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-09

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	21800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	38200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-10

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	25700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	42800			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-11

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	48000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	95500			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-12

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	29800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	31000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-13

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	24800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	5330			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	30700			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW62D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-14

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	27300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	7410			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	37000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND #1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 1908 SAS No.: _____ SDG No.: A1908

Matrix (soil/water): WATER Lab Sample ID: F961908A-15

Level (low/med): LOW Date Received: 09/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	39400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium	8460			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	72100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:
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TABLE CC-1.0
7096-1908A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	BUTTERS ROW #1	TOWN PARK #1	GW-73-S	GW-73-D	CHESTNUT ST #1
Alkalinity, as $CaCO_3$	47.0	31.0	22.8	73.6	70.6
Ammonia-Nitrogen	7.36	0.06	<0.04	<0.04	1.76
Bicarbonate	47.0	31.0	22.8	73.6	70.6
Carbonate, as $CaCO_3$	<2.00	<2.00	<2.00	<2.00	<2.00
Chloride	113	103	32.4	90.0	116
Sulfate	153	27.2	<10.0	26.8	104

Parameter	CHESTNUT ST #1A	GW63S	GW63D	BUTTERS ROW #2	GW64S
Alkalinity, as $CaCO_3$	25.8	54.0	108	50.0	42.4
Ammonia-Nitrogen	0.73	0.14	0.19	0.43	0.77
Bicarbonate	25.8	54.0	108	50.0	42.4
Carbonate, as $CaCO_3$	<2.00	<2.00	<2.00	<2.00	<2.00
Chloride	75.0	93.9	95.1	75.0	59.8
Sulfate	45.7	34.6	70.0	40.7	61.7

Parameter	GW64D	GW62S	GW62M	GW62D	BLIND #1
Alkalinity, as $CaCO_3$	73.4	82.4	54.4	62.0	47.2
Ammonia-Nitrogen	8.07	1.18	1.30	2.00	7.79
Bicarbonate	73.4	82.4	54.4	62.0	47.2
Carbonate, as $CaCO_3$	<2.00	<2.00	<2.00	<2.00	<2.00
Chloride	126	58.8	51.5	60.0	114
Sulfate	224	53.9	48.6	62.6	155

US EPA ARCHIVE DOCUMENT

Aqueous

TABLE AS-1.0
7096-2106A
OLIN CORPORATION
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are ug/L.

Client Sample I.D.	GW-83D			
Lab Sample I.D.	962106A-05			
Chromium	131.			

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2106A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	GW-82S	GW-82D	GW-83S	GW-83M	GW-83D
Sulfate	34.2	62.6	70.4	233	17,300

US EPA ARCHIVE DOCUMENT

Aqueous

TABLE AS-1.0
7096-2120A
OLIN CORPORATION
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are ug/L.

Client Sample I.D.	MB-1			
Lab Sample I.D.	962120A-01			
Aluminum	18800			
Chromium	300.			

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2120A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	MB-1
Ammonia-Nitrogen	3.13
Chloride	97.6
Sulfate	135

Aqueous

TABLE AS-1.0
7096-2211A
OLIN CORPORATION
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are ug/L.

Client Sample I.D.	MB-2@55'			
Lab Sample I.D.	962211A-01			
Aluminum	200.U			
Chromium	10.0U			

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2211A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	MB-2@55'
Ammonia-Nitrogen	0.30
Chloride	205
Sulfate	54.7

TABLE VO-1.0
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D.	Method Blank	ALTRON WELL #1	GW-25 (SHALLOW)	Quant. Limits with no Dilution
Lab Sample I.D.	VBLKBB	962172A-01	962172A-04	
Method Blank I.D.	VBLKBB	VBLKBB	VBLKBB	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	U	U	5.0
Acetone	U	7J	9J	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	U	U	U	5.0
1,1-Dichloroethane	U	U	U	5.0
1,2-Dichloroethene (total)	U	5	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	12	U	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	U	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	U	4J	8	5.0
2,4,4-Trimethyl-2-pentene	U	1J	2J	5.0
Date Received		10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/23/96	10/23/96	10/23/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

US EPA ARCHIVE DOCUMENT

TABLE VO-1.1
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D.	GW-28S	GW-43S	GW-42S	Quant. Limits with no Dilution
Lab Sample I.D.	962172A-05	962172A-06	962172A-07	
Method Blank I.D.	VBLKBB	VBLKBB	VBLKBB	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	1J	.8J	U	5.0
Acetone	8J	U	U	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	U	U	U	5.0
1,1-Dichloroethane	U	.8J	U	5.0
1,2-Dichloroethene (total)	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	U	U	5.0
Dibromochloromethane	U	2J	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	6	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	U	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	5	27	U	5.0
2,4,4-Trimethyl-2-pentene	.9J	8	U	5.0
Date Received	10/18/96	10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/23/96	10/23/96	10/23/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

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TABLE VO-1.2
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D.	GW-44S	GW-69S	GW-76S	Quant. Limits with no Dilution
Lab Sample I.D.	962172A-08	962172A-11	962172A-12	
Method Blank I.D.	VBLKBB	VBLKBB	VBLKBB	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	U	U	5.0
Acetone	U	U	U	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	U	U	U	5.0
1,1-Dichloroethane	U	U	U	5.0
1,2-Dichloroethene (total)	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	U	U	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	U	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	U	U	29	5.0
2,4,4-Trimethyl-2-pentene	U	U	9	5.0
Date Received	10/18/96	10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/23/96	10/23/96	10/23/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

US EPA ARCHIVE DOCUMENT

Aqueous

TABLE VO-1.3
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

All values are ug/L.

Client Sample I.D.	Method Blank	GW-10S	GW-42S MS	Quant. Limits with no Dilution
Lab Sample I.D.	VBLKBC	962172A-03	962172A-07MS	
Method Blank I.D.	VBLKBC	VBLKBC	VBLKBC	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	3JB	3JB	5.0
Acetone	U	U	10B	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	U	U	40BX	5.0
1,1-Dichloroethane	U	U	U	5.0
1,2-Dichloroethene (total)	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	U	41BX	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	44BX	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	1JB	44BX	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	45BX	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	U	U	U	5.0
2,4,4-Trimethyl-2-pentene	U	U	U	5.0
Date Received		10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/24/96	10/24/96	10/24/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

US EPA ARCHIVE DOCUMENT

TABLE VO-1.4
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D.	GW-42S MSD	GW-45S	GW-47S	Quant. Limits with no Dilution
Lab Sample I.D.	962172A-07 MSD	962172A-09	962172A-10	
Method Blank I.D.	VBLKBC	VBLKBC	VBLKBC	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	2JB	2JB	2JB	5.0
Acetone	U	U	U	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	40BX	U	U	5.0
1,1-Dichloroethane	U	U	U	5.0
1,2-Dichloroethene (total)	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
`romodichloromethane	U	U	U	5.0
,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	44BX	U	U	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	46BX	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	47BX	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	47BX	U	U	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	U	U	U	5.0
2,4,4-Trimethyl-2-pentene	U	U	U	5.0
Date Received	10/18/96	10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/24/96	10/24/96	10/24/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

US EPA ARCHIVE DOCUMENT

TABLE VO-1.5
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D.	GW-77S	DUP. GW42S	TB	Quant. Limits with no Dilution
Lab Sample I.D.	962172A-13	962172A-14	962172A-15	
Method Blank I.D.	VBLKBC	VBLKBC	VBLKBC	
Dilution Factor	1.00	1.00	1.00	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	1JB	2JB	1JB	5.0
Acetone	4JB	U	3JB	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	U	U	10
1,1-Dichloroethene	U	U	U	5.0
1,1-Dichloroethane	U	U	U	5.0
1,2-Dichloroethene (total)	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	U	U	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	U	5.0
Ethylbenzene	U	U	U	5.0
Styrene	U	U	U	5.0
Xylene (total)	U	U	U	5.0
2,4,4-Trimethyl-1-pentene	U	U	U	5.0
2,4,4-Trimethyl-2-pentene	U	U	U	5.0
Date Received	10/18/96	10/18/96	10/18/96	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	10/24/96	10/24/96	10/24/96	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

US EPA ARCHIVE DOCUMENT

Aqueous

TABLE VO-1.6
7096-2172A
OLIN CORPORATION
MISCELLANEOUS VOLATILE ORGANICS

All values are ug/L.

Client Sample I.D.	Method Blank	ALTRON WELL #2		Quant. Limits with no Dilution
Lab Sample I.D.	VBLKBD	962172A-02		
Method Blank I.D.	VBLKBD	VBLKBD		
Dilution Factor	1.00	1.00		
Chloromethane	U	U		10
Bromomethane	U	U		10
Vinyl Chloride	U	U		10
Chloroethane	U	U		10
Methylene Chloride	3J	2JB		5.0
Acetone	U	U		10
Carbon Disulfide	U	U		5.0
Vinyl Acetate	U	U		10
1,1-Dichloroethene	U	U		5.0
1,1-Dichloroethane	U	U		5.0
1,2-Dichloroethene (total)	U	U		5.0
Chloroform	U	U		5.0
1,2-Dichloroethane	U	U		5.0
2-Butanone	U	U		10
1,1,1-Trichloroethane	U	U		5.0
Carbon Tetrachloride	U	U		5.0
Bromodichloromethane	U	U		5.0
1,2-Dichloropropane	U	U		5.0
cis-1,3-Dichloropropene	U	U		5.0
Trichloroethene	U	U		5.0
Dibromochloromethane	U	U		5.0
1,1,2-Trichloroethane	U	U		5.0
Benzene	U	U		5.0
trans-1,3-Dichloropropene	U	U		5.0
Bromoform	U	U		5.0
4-Methyl-2-Pentanone	U	U		10
2-Hexanone	U	U		10
Tetrachloroethene	U	U		5.0
Toluene	U	U		5.0
1,1,2,2-Tetrachloroethane	U	U		5.0
Chlorobenzene	U	U		5.0
Ethylbenzene	U	U		5.0
Styrene	U	U		5.0
Xylene (total)	U	U		5.0
2,4,4-Trimethyl-1-pentene	U	U		5.0
2,4,4-Trimethyl-2-pentene	U	U		5.0
Date Received		10/18/96		
Date Extracted	N/A	N/A		
Date Analyzed	10/25/96	10/25/96		

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x dilution factor

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TABLE AS-1.0
7096-2172A
OLIN CORPORATION
TAL METALS (Dissolved)

Aqueous

All values are ug/L.

Client Sample I.D.	ALTRON WELL #1	ALTRON WELL #2	GW-10S	GW-25 (SHALLOW)
Lab Sample I.D.	962172A-01	962172A-02	962172A-03	962172A-04
Aluminum	483.	204.	2290	200.U
Antimony	60.0U	60.0U	60.0U	60.0U
Arsenic	10.0U	10.0U	10.0U	10.0U
Barium	200.U	200.U	200.U	200.U
Beryllium	5.0U	5.0U	5.0U	5.0U
Cadmium	5.0U	5.0U	5.0U	5.0U
Calcium	23400	18900	5000U	27500
Chromium	10.0U	10.0U	10.0U	11.6
Cobalt	50.0U	50.0U	50.0U	50.0U
Copper	25.0U	31.9	25.0U	25.0U
Iron	115.	100.U	148.	973.
Lead	3.0U	3.0	3.0U	3.0U
Magnesium	6950	5000U	5000U	5000U
Manganese	1850	2790	25.2	2160
Mercury	0.20U	0.20U	0.20U	0.20U
Nickel	40.0U	40.0U	40.0U	40.0U
Potassium	5000U	5290	5000U	5000U
Selenium	5.0U	5.0U	5.0U	5.0U
Silver	10.0U	10.0U	10.0U	10.0U
Sodium	75400	69700	5000U	48200
Thallium	10.0U	10.0U	10.0U	10.0U
Vanadium	50.0U	50.0U	50.0U	50.0U
Zinc	63.5	27.0	35.5	2340

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE AS-1.1
7096-2172A
OLIN CORPORATION
TAL METALS (Dissolved)

Aqueous

All values are ug/L.

Client Sample I.D.	GW-28S	GW-43S	GW-42S	GW-42S D
Lab Sample I.D.	962172A-05	962172A-06	962172A-07	962172A-07D
Aluminum	1100	200.U	531.	539.
Antimony	60.0U	60.0U	60.0U	60.0U
Arsenic	10.0U	10.0U	10.0U	10.0U
Barium	200.U	200.U	200.U	200.U
Beryllium	5.0U	5.0U	5.0U	5.0U
Cadmium	5.0U	5.0U	5.0U	5.0U
Calcium	5730	51000	8100	8280
Chromium	10.0U	10.0U	10.0U	10.0U
Cobalt	50.0U	50.0U	50.0U	50.0U
Copper	25.0U	25.0U	25.0U	25.0U
Iron	1250	100.U	5140	5230
Lead	3.0U	4.8	3.0U	3.0U
Magnesium	5000U	14100	5000U	5000U
Manganese	65.9	3170	438.	448.
Mercury	0.20U	0.20U	0.20U	0.20U
Nickel	40.0U	40.0U	40.0U	40.0U
Potassium	5000U	5000U	5000U	5000U
Selenium	5.0U	5.0U	5.0U	5.0U
Silver	10.0U	10.0U	10.0U	10.0U
Sodium	13400	109000	29100	30000
Thallium	10.0U	10.0U	10.0U	10.0U
Vanadium	50.0U	50.0U	50.0U	50.0U
Zinc	108.	20.0U	20.0U	20.0U

See Appendix for qualifier definitions

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TABLE AS-1.2
7096-2172A
OLIN CORPORATION
TAL METALS (Dissolved)

Aqueous

All values are ug/L.

Client Sample I.D.	GW-42S S	GW-44S	GW-45S	GW-47S
Lab Sample I.D.	962172A-07S	962172A-08	962172A-09	962172A-10
Aluminum	538.	200.U	200.U	200.U
Antimony	60.0U	60.0U	60.0U	60.0U
Arsenic	10.0U	10.0U	10.0U	10.0U
Barium	200.U	200.U	200.U	200.U
Beryllium	5.0U	5.0U	5.0U	5.0U
Cadmium	5.0U	5.0U	5.0U	5.0U
Calcium	NR	5000U	16400	23600
Chromium	10.0U	10.0U	10.0U	10.0U
Cobalt	50.0U	50.0U	50.0U	50.0U
Copper	25.0U	25.0U	25.0U	25.0U
Iron	5110	550.	100.U	182.
Lead	3.0U	3.0U	3.0U	3.0U
Magnesium	NR	5000U	5000U	5000U
Manganese	438.	15.0U	1010	290.
Mercury	0.81	0.20U	0.20U	0.20U
Nickel	40.0U	40.0U	40.0U	40.0U
Potassium	NR	5000U	5000U	5000U
Selenium	5.0U	5.0U	5.0U	5.0U
Silver	10.0U	10.0U	10.0U	10.0U
Sodium	NR	7110	58300	10500
Thallium	10.0U	10.0U	10.0U	10.0U
Vanadium	50.0U	50.0U	50.0U	50.0U
Zinc	20.0U	20.0U	20.0U	20.0U

See Appendix for qualifier definitions

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TABLE AS-1.3
7096-2172A
OLIN CORPORATION
TAL METALS (Dissolved)

Aqueous

All values are ug/L.

Client Sample I.D.	GW-69S	GW-76S	GW-77S	DUP. GW42S
Lab Sample I.D.	962172A-11	962172A-12	962172A-13	962172A-14
Aluminum	1020	200.U	200.U	504.
Antimony	60.0U	60.0U	60.0U	60.0U
Arsenic	10.0U	10.0U	10.0U	10.0U
Barium	200.U	200.U	200.U	200.U
Beryllium	5.0U	5.0U	5.0U	5.0U
Cadmium	5.0U	5.0U	5.0U	5.0U
Calcium	5000U	24800	31200	7950
Chromium	10.0U	10.0U	28.0	10.0U
Cobalt	50.0U	50.0U	50.0U	50.0U
Copper	25.0U	25.0U	25.0U	25.0U
Iron	100.U	100.U	100.U	5380
Lead	3.8	3.0U	3.0U	3.0U
Magnesium	5000U	5000U	5000U	5000U
Manganese	604.	288.	164.	468.
Mercury	0.20U	0.20U	0.20U	0.20U
Nickel	40.0U	40.0U	40.0U	40.0U
Potassium	5000U	5000U	5000U	5000U
Selenium	5.0U	5.0U	5.0U	5.0U
Silver	10.0U	10.0U	10.0U	10.0U
Sodium	31800	34100	31500	29100
Thallium	19.2	10.0U	10.0U	10.0U
Vanadium	50.0U	50.0U	50.0U	50.0U
Zinc	20.0U	20.0U	20.0U	20.0U

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2172A(R)
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	ALTRON WELL #1	ALTRON WELL #2	GW-10S	GW-25 (SHALLOW)	GW-28S
Ammonia-Nitrogen	60.7	9.00	0.58	40.2	1.02
Bicarbonate	28.0	20.2	2.20	68.0	4.60
Chloride	156	180	6.5	88.1	16.8
Sulfate	316	86.8	17.3	213	25.9

Parameter	GW-43S	GW-42S	GW-44S	GW-45S	GW-47S
Ammonia-Nitrogen	286	6.78	0.22	2.09	0.07
Bicarbonate	270	12.4	19.0	21.0	32.0
Chloride	446	79.3	<3.0	151	10.4
Sulfate	1,830	30.5	<10.0	32.5	13.6

Parameter	GW-69S	GW-76S	GW-77S	DUP.GW42S
Ammonia-Nitrogen	3.61	25.6	0.11	6.88
Bicarbonate	5.20	62.8	44.2	12.4
Chloride	42.6	49.7	86.3	77.2
Sulfate	48.2	119	36.6	16.1

US EPA ARCHIVE DOCUMENT

TABLE AS-1.0
7096-2229A
OLIN CORPORATION
TAL METALS

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D.	GW-83D	MB-2		
Lab Sample I.D.	962229A-03	962229A-04		
Aluminum	6420	4430		
Antimony	10.9U	10.6U		
Arsenic	13.0	2.4		
Barium	36.4U	35.2U		
Beryllium	0.91U	0.88U		
Cadmium	1.0	0.96		
Calcium	1390	1420		
Chromium	25.1	33.6		
Cobalt	9.1U	8.8U		
Copper	26.8	21.8		
Iron	10600	10900		
Lead	1.9	1.6		
Magnesium	6950	3900		
Manganese	166.	114.		
Mercury	0.10U	0.10U		
Nickel	9.9	17.8		
Potassium	2630	1100		
Selenium	2.8	1.4		
Silver	1.8U	1.8U		
Sodium	909.U	881.U		
Thallium	1.8U	2.7		
Vanadium	10.6	11.6		
Zinc	17.0	16.1		

See Appendix for qualifier definitions

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2229A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	GW-85M	GW-85D
Sulfate	128	1,470

TABLE CC-2.0
7096-2229A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/Kg dry weight basis.

Parameter	GW-83D	MB-2
Ammonia-Nitrogen	209	<2.09
Chloride	263	94.7
Sulfate	873	<17.2

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TABLE TCLP 1.0
7096-2229A
OLIN CORPORATION
TCLP RESULTS

Compound	Sample ID: GW-83D LEACHATE RESULTS as received mg/L	Qualifier	LEACHATE BLANK RESULT, mg/L	Qualifier	Quantitation Limits, mg/L	Regulatory Limit, mg/L
Volatiles						
Benzene	0.005	U	0.005	U	0.005	0.5
Carbon Tetrachloride	0.005	U	0.005	U	0.005	0.5
Chlorobenzene	0.005	U	0.005	U	0.005	100
Chloroform	0.003	JB	0.005	U	0.005	6
2-Butanone	0.01	U	0.01	U	0.01	200
Tetrachloroethylene	0.005	U	0.005	U	0.005	0.7
Trichloroethylene	0.005	U	0.005	U	0.005	0.5
Vinyl Chloride	0.01	U	0.01	U	0.01	0.2
1,2-Dichloroethane	0.005	U	0.005	U	0.005	0.5
1,1-Dichloroethene	0.005	U	0.005	U	0.005	0.7
2,4,4-Trimethyl-1-penten	0.005	U	0.005	U	0.005	N/A
2,4,4-Trimethyl-2-penten	0.005	U	0.005	U	0.005	N/A
	Sample ID: GW-83D					
Semivolatiles						
1,4-Dichlorobenzene	0.02	U	0.02	U	0.02	7.5
Hexachloroethane	0.02	U	0.02	U	0.02	3
Nitrobenzene	0.02	U	0.02	U	0.02	2
Hexachlorobutadiene	0.02	U	0.02	U	0.02	0.5
2,4,6-Trichlorophenol	0.02	U	0.02	U	0.02	2
2,4,5-Trichlorophenol	0.10	U	0.10	U	0.10	400
2,4-Dinitrotoluene	0.02	U	0.02	U	0.02	0.13
Hexachlorobenzene	0.02	U	0.02	U	0.02	0.13
Pentachlorophenol	0.10	U	0.10	U	0.10	100
2-Methylphenol	0.02	U	0.02	U	0.02	200
3 & 4-Methylphenol*	0.02	U	0.02	U	0.02	200
Pyridine	0.02	U	0.02	U	0.02	5

*Cannot be separated

See Appendix for qualifier definition

US EPA ARCHIVE DOCUMENT

TABLE TCLP 1.1
7096-2229A
OLIN CORPORATION
TCLP RESULTS

Compound	Sample ID: MB-2 LEACHATE RESULTS as received mg/L	Qualifier	LEACHATE BLANK RESULT, mg/L	Qualifier	Quantitation Limits, mg/L	Regulatory Limit, mg/L
Volatiles						
Benzene	0.005	U	0.005	U	0.005	0.5
Carbon Tetrachloride	0.005	U	0.005	U	0.005	0.5
Chlorobenzene	0.005	U	0.005	U	0.005	100
Chloroform	0.004	JB	0.005	U	0.005	6
2-Butanone	0.01	U	0.01	U	0.01	200
Tetrachloroethylene	0.005	U	0.005	U	0.005	0.7
Trichloroethylene	0.005	U	0.005	U	0.005	0.5
Vinyl Chloride	0.01	U	0.01	U	0.01	0.2
1,2-Dichloroethane	0.005	U	0.005	U	0.005	0.5
1,1-Dichloroethene	0.005	U	0.005	U	0.005	0.7
2,4,4-Trimethyl-1-penten	0.005	U	0.005	U	0.005	N/A
2,4,4-Trimethyl-2-penten	0.005	U	0.005	U	0.005	N/A
	Sample ID: MB-2					
Semivolatiles						
1,4-Dichlorobenzene	0.02	U	0.02	U	0.02	7.5
Hexachloroethane	0.02	U	0.02	U	0.02	3
Nitrobenzene	0.02	U	0.02	U	0.02	2
Hexachlorobutadiene	0.02	U	0.02	U	0.02	0.5
2,4,6-Trichlorophenol	0.02	U	0.02	U	0.02	2
2,4,5-Trichlorophenol	0.10	U	0.10	U	0.10	400
2,4-Dinitrotoluene	0.02	U	0.02	U	0.02	0.13
Hexachlorobenzene	0.02	U	0.02	U	0.02	0.13
Pentachlorophenol	0.10	U	0.10	U	0.10	100
2-Methylphenol	0.02	U	0.02	U	0.02	200
3 & 4-Methylphenol*	0.02	U	0.02	U	0.02	200
Pyridine	0.02	U	0.02	U	0.02	5

*Cannot be separated

See Appendix for qualifier definition

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.1-

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2203 SAS No.: _____ SDG No.: A2203

Matrix (soil/water): WATER Lab Sample ID: F962203A-01

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.1-

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2203 SAS No.: _____ SDG No.: A2203

Matrix (soil/water): WATER Lab Sample ID: F962203A-02

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.1-

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2203 SAS No.: _____ SDG No.: A2203

Matrix (soil/water): WATER Lab Sample ID: F962203A-03

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.1-

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2203 SAS No.: _____ SDG No.: A2203

Matrix (soil/water): WATER Lab Sample ID: F962203A-04

Level (low/med): LOW Date Received: 10/26/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO. 1-

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2203 SAS No.: _____ SDG No.: A2203

Matrix (soil/water): WATER Lab Sample ID: F962203A-05

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
Filtered Metals

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TABLE CC-1.0
7096-2203A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L.

Parameter	BUTTERS ROW NO.1-0	BUTTERS ROW NO.1-1	BUTTERS ROW NO.1-2
Ammonia-Nitrogen	12.5	5.41	10.4
Chloride	130	124	117
Sulfate	179	165	166

Parameter	BUTTERS ROW NO.1-3	BUTTERS ROW NO.1-4
Ammonia-Nitrogen	7.57	7.28
Chloride	112	107
Sulfate	130	152

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-10S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-01

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2070			P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-11

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-02

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-19S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-03

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-24

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-04

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-25

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-05

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	14.9			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-26

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-06

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	14.6			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-35S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-07

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	15.2			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-39

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-08

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-42S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-09

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	443.			P
7440-47-3	Chromium	10.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-43S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-10

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-55S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-11

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2040			P
7440-47-3	Chromium	10.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2204 SAS No.: _____ SDG No.: A2204

Matrix (soil/water): WATER Lab Sample ID: F962204A-12

Level (low/med): LOW Date Received: 10/24/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	458.			P
7440-47-3	Chromium	12.2			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

TABLE CC-1.0
7096-2204A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	GW-10S	GW-11	GW-19S	GW-24	GW-25	GW-26
Ammonia-Nitrogen	<0.04	39.3	3.60	0.07	31.3	74.4
Chloride	5.9	70.0	4.6	113	77.8	93.9
pH, S.U.	6.89	6.58	7.52	6.28	6.18	6.56
Sulfate	13.2	116	1,340	406	205	500

Parameter	GW-35S	GW-39	GW-42S	GW-43S	GW-55S	BLIND
Ammonia-Nitrogen	53.7	0.44	5.97	125	369	7.74
Chloride	29.2	45.4	80.1	132	415	79.3
pH, S.U.	6.50	6.01	5.25	5.80	5.45	5.27
Sulfate	824	191	30.9	599	2,090	25.5

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TOWN PARK NO. 1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-01

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	18100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	2350			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	47400			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: OPAQUE Texture: _____

Color After: _____ Clarity After: OPAQUE Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO. 1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-02

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	39800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	6540			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	8860			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	74100			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO. 2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-03

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	20300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	5390			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	36800			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST. NO.

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-04

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	25200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	1120			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5600			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	64200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-05

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	28300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	5820			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	7100			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	30500			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-06

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	22500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	28700			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-07

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	26100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	7200			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	35800			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-08

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	15400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	54400			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-09

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	26100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	3060			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	44400			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-10

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	9170			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	40600			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-11

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	40100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	22800			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	10500			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	77000			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-12

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	24200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	277.			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-13

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	37800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	1780			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	11700			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	31200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2201 SAS No.: _____ SDG No.: A2201

Matrix (soil/water): WATER Lab Sample ID: F962201A-14

Level (low/med): LOW Date Received: 10/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	39600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	22500			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	10300			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5180			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	76200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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TABLE CC-1.0
7096-2201A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	TOWN PARK NO. 1	BUTTERS ROW NO. 1	BUTTERS ROW NO. 2
Alkalinity, as CaCO3	30.2	49.8	37.6
Ammonia-Nitrogen	0.21	7.93	0.60
Bicarbonate	30.2	49.8	37.6
Carbonate, as CaCO3	<2.00	<2.00	<2.00
Chloride	93.5	116	70.8
pH, S.U.	6.22	6.08	6.09
Sulfate	28.4	149	48.2
Temperature	20.0°C	20.0°C	20.0°C

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TABLE CC-1.1
7096-2201A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	CHESTNUT ST. NO. 1	GW-62S	GW-62M
Alkalinity, as CaCO3	44.8	72.0	51.6
Ammonia-Nitrogen	1.83	1.39	1.37
Bicarbonate	44.8	72.0	51.6
Carbonate, as CaCO3	<2.00	<2.00	<2.00
Chloride	115	59.0	51.7
pH, S.U.	6.18	6.34	6.46
Sulfate	70.0	53.5	51.0
Temperature	20.0°C	20.0°C	20.0°C

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TABLE CC-1.2
7096-2201A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	GW-62D	GW-63S	GW-63D	GW-64S
Alkalinity, as CaCO3	61.6	20.8	66.4	21.8
Ammonia-Nitrogen	2.29	0.06	0.23	0.19
Bicarbonate	61.6	20.8	66.4	21.8
Carbonate, as CaCO3	<2.00	<2.00	<2.00	<2.00
Chloride	59.7	114	87.3	73.8
pH, S.U.	6.37	6.26	6.63	5.96
Sulfate	63.0	15.0	33.7	14.0
Temperature	20.0°C	20.0°C	20.0°C	20.0°C

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TABLE CC-1.3
7096-2201A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/L unless noted.

Parameter	GW-64D	GW-73S	GW-73D	BLIND
Alkalinity, as CaCO3	66.0	21.0	63.4	69.8
Ammonia-Nitrogen	7.78	0.04	0.16	7.72
Bicarbonate	66.0	21.0	63.4	69.8
Carbonate, as CaCO3	<2.00	<2.00	<2.00	<2.00
Chloride	110	21.7	117	113
pH, S.U.	6.45	6.53	6.69	6.49
Sulfate	166	12.8	27.2	186
Temperature	20.0°C	20.0°C	20.0°C	20.0°C

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TABLE AS-1.0
7096-2316A
OLIN CORPORATION
TAL METALS

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D.	MB-1	GW85D		
Lab Sample I.D.	962316A-01	962316A-02		
Aluminum	4600	4900		
Antimony	8.9U	11.0U		
Arsenic	3.0	7.6		
Barium	29.8U	36.8U		
Beryllium	0.74U	0.92U		
Cadmium	0.88	1.3		
Calcium	1300	2540		
Chromium	14.6	16.4		
Cobalt	7.4U	16.5		
Copper	17.4	14.4		
Iron	10000	14200		
Lead	2.4	3.0		
Magnesium	2440	3730		
Manganese	133.	176.		
Mercury	0.074U	0.093U		
Nickel	8.3	15.9		
Potassium	1040	921.U		
Selenium	1.3	1.6		
Silver	1.5U	1.8U		
Sodium	745.U	921.U		
Thallium	1.5U	1.8		
Vanadium	12.4	15.1		
Zinc	21.8	19.6		

See Appendix for qualifier definitions

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TABLE CC-1.0
7096-2316A
OLIN CORPORATION
MISCELLANEOUS

All values are mg/Kg dry weight basis.

Parameter	MB-1	GW85D
Ammonia-Nitrogen	21.5	42.6
Chloride	88.1	70.4
Sulfate	<183	475

US EPA ARCHIVE DOCUMENT

TABLE TCLP 1.0
7096-2316A
OLIN CORPORATION
TCLP RESULTS

Compound	Sample ID: MB-1 LEACHATE RESULTS as received mg/L	Qualifier	LEACHATE BLANK RESULT, mg/L	Qualifier	Quantitation Limits, mg/L	Regulatory Limit, mg/L
Volatiles						
Benzene	0.005	U	0.005	U	0.005	0.5
Carbon Tetrachloride	0.005	U	0.005	U	0.005	0.5
Chlorobenzene	0.005	U	0.005	U	0.005	100
Chloroform	0 005	U	0.005	U	0.005	6
2-Butanone	0.01	U	0.01	U	0.01	200
Tetrachloroethylene	0.005	U	0.005	U	0.005	0.7
Trichloroethylene	0.005	U	0.005	U	0.005	0.5
Vinyl Chloride	0.01	U	0.01	U	0.01	0.2
1,2-Dichloroethane	0.005	U	0.005	U	0.005	0.5
1,1-Dichloroethene	0.005	U	0.005	U	0.005	0.7
2,4,4-Trimethyl-1pentene	0.005	U	0.005	U	0.005	N/A
2,4,4-Trimethyl-2pentene	0.005	U	0.005	U	0.005	N/A
	Sample ID: MB-1					
Semivolatiles						
1,4-Dichlorobenzene	0.02	U	0.02	U	0.02	7.5
Hexachloroethane	0.02	U	0.02	U	0.02	3
Nitrobenzene	0.02	U	0.02	U	0.02	2
Hexachlorobutadiene	0.02	U	0.02	U	0.02	0.5
2,4,6-Trichlorophenol	0.02	U	0.02	U	0.02	2
2,4,5-Trichlorophenol	0.10	U	0.10	U	0.10	400
2,4-Dinitrotoluene	0.02	U	0.02	U	0.02	0.13
Hexachlorobenzene	0.02	U	0.02	U	0.02	0.13
Pentachlorophenol	0.10	U	0.10	U	0.10	100
2-Methylphenol	0.02	U	0.02	U	0.02	200
3 & 4-Methylphenol*	0.02	U	0.02	U	0.02	200
Pyridine	0.02	U	0.02	U	0.02	5

*Cannot be separated

See Appendix for qualifier definition

US EPA ARCHIVE DOCUMENT

TABLE TCLP 1.1
7096-2316A
OLIN CORPORATION
TCLP RESULTS

Compound	Sample ID: GW85D LEACHATE RESULTS as received mg/L	Qualifier	LEACHATE BLANK RESULT, mg/L	Qualifier	Quantitation Limits, mg/L	Regulatory Limit, mg/L
Volatiles						
Benzene	0.005	U	0.005	U	0.005	0.5
Carbon Tetrachloride	0.005	U	0.005	U	0.005	0.5
Chlorobenzene	0.005	U	0.005	U	0.005	100
Chloroform	0.005	U	0.005	U	0.005	6
2-Butanone	0.01	U	0.01	U	0.01	200
Tetrachloroethylene	0.005	U	0.005	U	0.005	0.7
Trichloroethylene	0.005	U	0.005	U	0.005	0.5
Vinyl Chloride	0.01	U	0.01	U	0.01	0.2
1,2-Dichloroethane	0.005	U	0.005	U	0.005	0.5
1,1-Dichloroethene	0.005	U	0.005	U	0.005	0.7
2,4,4-Trimethyl-1pentene	0.005	U	0.005	U	0.005	N/A
2,4,4-Trimethyl-2pentene	0.005	U	0.005	U	0.005	N/A
	Sample ID: GW85D					
Semivolatiles						
1,4-Dichlorobenzene	0.02	U	0.02	U	0.02	7.5
Hexachloroethane	0.02	U	0.02	U	0.02	3
Nitrobenzene	0.02	U	0.02	U	0.02	2
Hexachlorobutadiene	0.02	U	0.02	U	0.02	0.5
2,4,6-Trichlorophenol	0.02	U	0.02	U	0.02	2
2,4,5-Trichlorophenol	0.10	U	0.10	U	0.10	400
2,4-Dinitrotoluene	0.02	U	0.02	U	0.02	0.13
Hexachlorobenzene	0.02	U	0.02	U	0.02	0.13
Pentachlorophenol	0.10	U	0.10	U	0.10	100
2-Methylphenol	0.02	U	0.02	U	0.02	200
3 & 4-Methylphenol*	0.02	U	0.02	U	0.02	200
Pyridine	0.02	U	0.02	U	0.02	5

*Cannot be separated

See Appendix for qualifier definition

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6141

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/06/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6141

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/06/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2012

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	.6	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2012

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 102596

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-03

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2004

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	.8	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 102596

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-03

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2004

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2013

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2013

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-05

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2014

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-05

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2014

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-06

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2015

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	20	
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	5	
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	27	
107-06-2	1,2-Dichloroethane	20	
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	91	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	11	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
108-88-3	Toluene	170	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	9	
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-06

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2015

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-07

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2005

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-07

Sample wt/vol: 5 (g/mL) ML Lab File ID: >B2005

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: not dec. _____ Date Analyzed: 11/01/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8265

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8265

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.6	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-82D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8268

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-82D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8268

Level: (low/med) LOW Date Received: 10/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.6	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8269

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-83S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8269

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	.6	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8270

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-83M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8270

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.5	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	.2	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-83D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8271

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	63	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	1	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	2	J
95-50-1	1,2-Dichlorobenzene	.3	J
95-48-7	2-Methylphenol	2	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	2	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1	J
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	.4	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	.4	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-83D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2202A SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 962202A-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >J8271

Level: (low/med) LOW Date Received: 10/29/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/30/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	5	J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.4	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	.2	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: F962202A-01

Level (low/med): LOW Date Received: 10/26/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	24800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100.	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	36.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	21200			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-82D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: F962202A-02

Level (low/med): LOW Date Received: 10/26/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	50400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	4440			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	3440			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	28800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: F962202A-04

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	27000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	1010			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	214.			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	46500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: F962202A-05

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	32600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	3390			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	2290			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	6.2			P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	57500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	22.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: F962202A-06

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27800			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	60.0			P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	20.7			P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	230000			P
7440-47-3	Chromium	74.1			P
7440-48-4	Cobalt	1840			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	1120000			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	295000			P
7439-96-5	Manganese	46200			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1750			P
7440-09-7	Potassium	128000			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	71100			P
7440-28-0	Thallium	50.5			P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	3940			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-82S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: T962202A-01

Level (low/med): LOW Date Received: 10/26/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-82D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: T962202A-02

Level (low/med): LOW Date Received: 10/26/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: T962202A-04

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: T962202A-05

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-83D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202 SAS No.: _____ SDG No.: A2202

Matrix (soil/water): WATER Lab Sample ID: T962202A-06

Level (low/med): LOW Date Received: 10/29/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	73.5			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

1
WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-82S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202A SAS No. : _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 2202001

% Solids: 0.0 Date Received: 10/26/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	66.0			
AMMONIA	0.453			
BICARB	66.0			
CARBONATE	2.00	U		
CHLORIDE	56.0			
CYAN-T	0.010	U		
PH	6.33			
SULFATE	27.6			
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

1
WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-82D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202A SAS No. : _____ SDG No.: 42202

Matrix: (soil/water) WATER Lab Sample ID: 2202002

% Solids: 0.0 Date Received: 10/26/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	66.0			T
AMMONIA	0.284			AS
BICARB	66.0			
CARBONATE	2.00	U		
CHLORIDE	102.			AS
CYAN-T	0.010	U		AS
Ph	6.38			E
SULFATE	112.			C
TEMPERATUR	20.0			

Comments: _____

FORM 1 - WC

US EPA ARCHIVE DOCUMENT

SAMPLE NO.

WET CHEM ANALYSIS DATA SHEET

BW-[illegible]

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2202A SAS No. : _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 2202004

% Solids: 0.0 Date Received: 10/29/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	24.0			T
AMMONIA	2.38			AS
BICARB	24.0			
CARBONATE	7.00	L		
CHLORIDE	98.7			AS
CYAN-T	0.010	U		AS
PH	6.26			E
SULFATE	70.0			G
TEMPERATUR	20.0			

Comments:

FORM I - WC

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

Lab Name: [illegible] Contract: _____

Lab Code: [illegible] Case No.: [illegible] SAS No.: _____ SDG No.: [illegible]

Matrix: (soil/water) WATER Lab Sample ID: 2202005

% Solids: 0.0 Date Received: 10/29/94

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	B	M
ALKALIN	22.0			I
AMMONIA	8.29			AS
BICARB	22.0			
CARBONATE	1.00	U		
CHLORIDE	[illegible]			AS
CYANIDE	0.010	U		AS
PH	6.12			E
SULFATE	225.			G
TEMPERATURE	20.0			

Comments:

FORM 1 - AL

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-SSD

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 22024 SAS No.: _____ SDG No.: A2202

Matrix: (soil/water) WATER Lab Sample ID: 2202006

% Solids: 0.0 Date Received: 10/29/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	68.0			T
AMMONIA	1650.			AS
BICARB	68.0			
CARBONATE	2.00	U		
CHLORIDE	4690.			AS
CYAN-T	0.010	U		AS
PH	5.20			E
SULFATE	4280.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

7096-2401A
OLIN CORPORATION

Case Narrative

Volatile Organics - Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 8260. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5972A GC/MS/DS.

The client requested a Method Detection Limit Study to be performed for both 2,4,4-Trimethyl 1-Pentene and 2,4,4-Trimethyl 2-Pentene. The results are tabulated below.

2,4,4-Trimethyl 1-Pentene MDL=0.39ug/l
2,4,4-Trimethyl 2-Pentene MDL=0.42ug/l

Seven replicates were run at a concentration of 5.00ug/l to determine this MDL. The recommended Practical Quantitation Limit (PQL) for sample reporting will be 5.00 ug/L unless the client needs a lower detection limit for their project.

No problems were encountered.

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO. 2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-01

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	23200			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	6270			P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	35300			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST. NO.

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-02

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	16500			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	1340			P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	35300			P

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-03

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	30500			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	6910			P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	7210			P
7440-23-5	Sodium	30500			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 0 14

GW-62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-04

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	29900			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	100.	U		P
7439-95-4	Magnesium	6560			P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	31800			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 15

GW-62D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-05

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	27200			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	100.	U		P
7439-95-4	Magnesium	7540			P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	33900			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-06

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	9260			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	281.			P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	34400			P

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-07

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	35700			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	5130			P
7439-95-4	Magnesium	5950			P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	46200			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

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Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-08

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	9150			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	165.			P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	32400			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-09

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	41200			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	25200			P
7439-95-4	Magnesium	10700			P
7440-09-7	Potassium	5920			P
7440-23-5	Sodium	63300			P

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

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INORGANIC ANALYSES DATA SHEET

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EPA SAMPLE NO.

GW-73S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-10

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	18800			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	100.	U		P
7439-95-4	Magnesium	5000	U		P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	5000	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-11

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	29700			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	585.			P
7439-95-4	Magnesium	9260			P
7440-09-7	Potassium	5000	U		P
7440-23-5	Sodium	31200			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487 SAS No.: _____ SDG No.: A2487

Matrix (soil/water): WATER Lab Sample ID: F962487A-12

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	40500			P
7440-47-3	Chromium	10.0	U		P
7439-89-6	Iron	25000			P
7439-95-4	Magnesium	10800			P
7440-09-7	Potassium	6180			P
7440-23-5	Sodium	64000			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

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SAMPLE NO.

WET CHEM ANALYSIS DATA SHEET

BUTTERS ROW NO. 2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487001

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	42.4			T
AMMONIA	0.64			AS
BICARB	42.4			
CARBONATE	2.00	U		
CHLORIDE	70.9		N	AS
PH	6.24			E
SULFATE	49.8			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

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SAMPLE NO.

1

WET CHEM ANALYSIS DATA SHEET

CHESTNUT ST. NO. 1A

Lab Name: IEA Contract: _____

Lab Code: IA Case No.: 21678 SAS No.: _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487002

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	26.2			T
AMMONIA	1.09			AS
BICARB	26.2			
CARBONATE	2.00	J		
CHLORIDE	69.1		N	AS
PH	6.02			E
SULFATE	39.5			G
TEMPERATUR	20.0			

Comments: _____

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1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487003

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	84.4			T
AMMONIA	1.95			AS
BICARB	84.4			
CARBONATE	2.00	U		
CHLORIDE	57.1		N	AS
PH	6.15			E
SULFATE	51.9			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487004

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	53.8			I
AMMONIA	1.90			AS
BICARB	53.8			
CARBONATE	2.00	U		
CHLORIDE	56.8		N	AS
PH	6.33			E
SULFATE	72.9			G
TEMPERATUR	20.0			

Comments: _____

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-620

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487005

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	61.6			T
AMMONIA	2.36			AB
BICARB	61.6			
CARBONATE	2.00	U		
CHLORIDE	58.9		N	AS
PH	6.33			E
SULFATE	71.2			G
TEMPERATUR	20.0			

Comments: _____

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1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487006

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	26.4			I
AMMONIA	0.28			AS
BICARB	26.4			
CARBONATE	2.00	U		
CHLORIDE	60.4		N	AS
PH	6.29			E
SULFATE	19.3			G
TEMPERATUR	20.0			

Comments: _____

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1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487007

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	84.2			T
AMMONIA	0.17			AS
BICARB	84.2			
CARBONATE	2.00	U		
CHLORIDE	99.8		N	AS
PH	6.61			E
SULFATE	47.7			G
TEMPERATUR	20.0			

Comments: _____

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-64S

Lab Name: IEA Contract:

Lab Code: IEA Case No.: 2487A SAS No. : SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487008

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	16.8			T
AMMONIA	0.17			AS
BICARB	16.8			
CARBONATE	2.00	U		
CHLORIDE	62.3		N	AS
PH	5.95			E
SULFATE	21.0			G
TEMPERATUR	20.0			

Comments:

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1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487009

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	81.6			I
AMMONIA	7.63			AS
BICARB	81.6			
CARBONATE	2.00	U		
CHLORIDE	108.		N	AS
PH	6.63			E
SULFATE	184.			E
TEMPERATUR	20.0			

Comments:

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0101
SAMPLE NO.

1

WET CHEM ANALYSIS DATA SHEET

GW-73S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487010

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	24.8			I
AMMONIA	0.12			AS
BICARB	24.8			
CARBONATE	2.00	U		
CHLORIDE	10.9		N	AS
PH	6.41			E
SULFATE	14.8			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

0102

SAMPLE NO.

1

WET CHEM ANALYSIS DATA SHEET

GW-73D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487011

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	76.8			T
AMMONIA	0.097			AS
BICARB	76.8			
CARBONATE	2.00	U		
CHLORIDE	80.4		N	AS
PH	6.69			E
SULFATE	27.6			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

SAMPLE NO. 0103

WET CHEM ANALYSIS DATA SHEET

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2487A SAS No. : _____ SDG No.: A2487

Matrix: (soil/water) WATER Lab Sample ID: 2487012

% Solids: 0.0 Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	80.6			T
AMMONIA	6.34			AS
BICARB	80.6			
CARBONATE	2.00	U		
CHLORIDE	108.		N	AS
PH	6.63			E
SULFATE	179.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6582

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	.9	JB
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	19	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	24	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6582

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6584

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	23	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	46	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6584

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6583

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	.9	JB
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	99	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	3	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	83	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	1	J
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	2	J

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6583

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6581

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	4	JB
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6581

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMS

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MS

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6585

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	.9	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	42	
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	94	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	120	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	44	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	.9	J
108-88-3	Toluene	41	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	42	
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	1	J

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMS

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MS

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6585

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMSD

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MSD

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6586

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	.9	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	42	
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	90	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	110	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	43	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	.9	J
108-88-3	Toluene	41	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	41	
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	1	J

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMSD

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MSD

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D6586

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-85M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8067

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-85M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8067

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.2	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8068

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8068

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.2	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	JB
117-84-0	Di-n-octylphthalate	.3	J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8069

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	.7	J
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8069

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.4	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKGI

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: SBLKGI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8029

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKGI

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: SBLKGI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8029

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-85DMS

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8070

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	38	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	64	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	31	
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	34	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	.5	J
120-82-1	1,2,4-Trichlorobenzene	30	
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	60	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMS

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8070

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	32	
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	27	J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	42	
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	71	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	38	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMSD

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8071

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	29	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	63	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	31	
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	34	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	.5	J
120-82-1	1,2,4-Trichlorobenzene	30	
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	59	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-85DMSD

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 962488A-03MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >I8071

Level: (low/med) LOW Date Received: 11/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/22/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	32	
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	23	J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	39	
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	60	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	35	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-85M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-01

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	56200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	9760		E	P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	11400			P
7439-96-5	Manganese	1620		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	7950			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	58700			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-02

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	56600			P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	9960		E	P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	11500			P
7439-96-5	Manganese	1680		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	8030			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	60600			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

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EPA SAMPLE NO.

GW-85D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-03

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	212000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	29500		E	P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	61900			P
7439-96-5	Manganese	10300		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	35200			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	150000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-84S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-05

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1

INORGANIC ANALYSES DATA SHEET

227

EPA SAMPLE NO.

GW-84M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-06

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

Filtered Metals

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-84D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: F962488A-07

Level (low/med): LOW Date Received: 11/22/96

% Solids: 0.0

228

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-85M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: T962488A-01

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

229

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: T962488A-02

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1

INORGANIC ANALYSES DATA SHEET

231

EPA SAMPLE NO.

GW-85D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488 SAS No.: _____ SDG No.: A2488

Matrix (soil/water): WATER Lab Sample ID: T962488A-03

Level (low/med): LOW Date Received: 11/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Total Metals

US EPA ARCHIVE DOCUMENT

SAMPLE NO.

GW-85M

WET CHEM ANALYSIS DATA SHEET

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 2488001

% Solids: _____ Date Received: 11/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	56.6			
AMMONIA	4.90			
BICARB	56.6			
CARBONATE	2.00	U		
CHLORIDE	155.			
CYAN-T	0.010	U		
PH	6.52			
SULFATE	172.			
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 24684 SAS No. : _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 2488002

% Solids: _____ Date Received: 11/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	57.2			
AMMONIA	5.16			
BICARB	57.2			
CARBONATE	2.00	U		
CHLORIDE	155.			
CYAN-T	0.010	U		
Ph	6.57			
SULFATE	174.			
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-6SD

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 24884 SAS No.: _____ SDG No.: A2428

Matrix: (soil/water) WATER Lab Sample ID: 2488003

% Solids: _____ Date Received: 11/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	221.			
AMMONIA	98.7			
BICARB	221.			
CARBONATE	2.00	U		
CHLORIDE	499.			
CYAN-T	0.010	U		
PH	6.68			
SULFATE	1740.			
TEMPERATUR	20.0			

Comments: _____

I

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-848

Lab Name: [illegible] Contract: _____

Lab Code: [illegible] Case No.: [illegible] SAS No.: _____ SDG No.: 42488

Matrix: (soil/water) WATER Lab Sample ID: 2488005

% Solids: _____ Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.15			
CHLORIDE	74.6			
SULFATE	24.7			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-647

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: _____ SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 2488006

% Solids: _____ Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.084			
CHLORIDE	156.			
SULFATE	32.9			

Comments: _____

FORM I - WC

SAMPLE NO.

GN-84D

WET CHEM ANALYSIS DATA SHEET

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2488A SAS No.: _____ SDG No.: A2488

Matrix: (soil/water) WATER Lab Sample ID: 2488007

% Solids: _____ Date Received: 11/22/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	100.			
CHLORIDE	692.			
SULFATE	2910.			

Comments: _____

FORM I - WC

IEA
An Aquanon Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-03
Project:	Olin - Wilmington	Sample:	CB-3/63'
Report Date:	12/11/96	Type:	Soil
Collected:	11/18/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/02/96	Dilution Factor:	1.1
By:	LJT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	6	BQL
2	Bromodichloromethane	6	BQL
3	Bromoform	6	BQL
4	Bromomethane	11	BQL
5	Carbon tetrachloride	6	BQL
6	Chlorobenzene	6	BQL
7	Chloroethane	11	BQL
8	2-Chloroethylvinyl ether	6	BQL
9	Chloroform	6	BQL
10	Chloromethane	11	BQL
11	Dibromochloromethane	6	BQL
12	1,2-Dichlorobenzene	6	BQL
13	1,3-Dichlorobenzene	6	BQL
14	1,4-Dichlorobenzene	6	BQL
15	1,1-Dichloroethane	6	BQL
16	1,2-Dichloroethane	6	BQL
17	1,1-Dichloroethene	6	BQL
18	cis-1,2-Dichloroethene	6	BQL
19	trans-1,2-Dichloroethene	6	BQL
20	1,2-Dichloropropane	6	BQL
21	cis-1,3-Dichloropropene	6	BQL
22	trans-1,3-Dichloropropene	6	BQL
23	Ethylbenzene	6	BQL
24	Methylene chloride	6	BQL
25	1,1,2,2-Tetrachloroethane	6	BQL
26	Tetrachloroethene	6	BQL
27	Toluene	6	BQL
28	1,1,1-Trichloroethane	6	BQL
29	1,1,2-Trichloroethane	6	BQL
30	Trichloroethene	6	BQL
31	Trichlorofluoromethane	6	BQL
32	Vinyl chloride	11	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-03
Project:	Olin - Wilmington	Sample:	CB-3/63'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	110	BQL
34	2-Butanone	110	BQL
35	Carbon disulfide	6	BQL
36	1,2-Dibromoethane	6	BQL
37	2-Hexanone	55	BQL
38	Methyl-t-butylether	6	BQL
39	4-Methyl-2-pentanone	55	BQL
40	Styrene	6	BQL
41	Vinyl Acetate	55	BQL
42	Xylenes (Total)	6	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	89	%
Toluene-d8	125	%
Bromofluorobenzene	105	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-03R
Project:	Olin - Wilmington	Sample:	CB-3/63'
Report Date:	12/11/96	Type:	Soil
Collected:	11/18/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/03/96	Dilution Factor:	1.1
By:	LJT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	6	BQL
2	Bromodichloromethane	6	BQL
3	Bromoform	6	BQL
4	Bromomethane	11	BQL
5	Carbon tetrachloride	6	BQL
6	Chlorobenzene	6	BQL
7	Chloroethane	11	BQL
8	2-Chloroethylvinyl ether	6	BQL
9	Chloroform	6	BQL
10	Chloromethane	11	BQL
11	Dibromochloromethane	6	BQL
12	1,2-Dichlorobenzene	6	BQL
13	1,3-Dichlorobenzene	6	BQL
14	1,4-Dichlorobenzene	6	BQL
15	1,1-Dichloroethane	6	BQL
16	1,2-Dichloroethane	6	BQL
17	1,1-Dichloroethene	6	BQL
18	cis-1,2-Dichloroethene	6	BQL
19	trans-1,2-Dichloroethene	6	BQL
20	1,2-Dichloropropane	6	BQL
21	cis-1,3-Dichloropropene	6	BQL
22	trans-1,3-Dichloropropene	6	BQL
23	Ethylbenzene	6	BQL
24	Methylene chloride	6	BQL
25	1,1,2,2-Tetrachloroethane	6	BQL
26	Tetrachloroethene	6	BQL
27	Toluene	6	BQL
28	1,1,1-Trichloroethane	6	BQL
29	1,1,2-Trichloroethane	6	BQL
30	Trichloroethene	6	BQL
31	Trichlorofluoromethane	6	BQL
32	Vinyl chloride	11	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Client:	Smith Technology	IEA ID:	S154-002-03R
Project:	Olin - Wilmington	Sample:	CB-3/63'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	110	BQL
34	2-Butanone	110	BQL
35	Carbon disulfide	6	BQL
36	1,2-Dibromoethane	6	BQL
37	2-Hexanone	55	BQL
38	Methyl-t-butylether	6	BQL
39	4-Methyl-2-pentanone	55	BQL
40	Styrene	6	BQL
41	Vinyl Acetate	55	BQL
42	Xylenes (Total)	6	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	76	%
Toluene-d8	115	%
Bromofluorobenzene	91	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-04
Project:	Olin - Wilmington	Sample:	GW86-D1/82-85
Report Date:	12/11/96	Type:	Soil
Collected:	11/20/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/03/96	Dilution Factor:	1
By:	LJT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	cis-1,2-Dichloroethene	5	BQL
19	trans-1,2-Dichloroethene	5	BQL
20	1,2-Dichloropropane	5	BQL
21	cis-1,3-Dichloropropene	5	BQL
22	trans-1,3-Dichloropropene	5	BQL
23	Ethylbenzene	5	BQL
24	Methylene chloride	5	BQL
25	1,1,2,2-Tetrachloroethane	5	BQL
26	Tetrachloroethene	5	BQL
27	Toluene	5	BQL
28	1,1,1-Trichloroethane	5	BQL
29	1,1,2-Trichloroethane	5	BQL
30	Trichloroethene	5	BQL
31	Trichlorofluoromethane	5	BQL
32	Vinyl chloride	10	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-04
Project:	Olin - Wilmington	Sample:	GW86-D1/82-85

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	100	BQL
34	2-Butanone	100	BQL
35	Carbon disulfide	5	BQL
36	1,2-Dibromoethane	5	BQL
37	2-Hexanone	50	BQL
38	Methyl-t-butylether	5	BQL
39	4-Methyl-2-pentanone	50	BQL
40	Styrene	5	BQL
41	Vinyl Acetate	50	BQL
42	Xylenes (Total)	5	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	74	%
Toluene-d8	115	%
Bromofluorobenzene	91	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-05
Project:	Olin - Wilmington	Sample:	CB-2/44-49
Report Date:	12/11/96	Type:	Soil
Collected:	11/25/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/04/96	Dilution Factor:	1
By:	GMT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)	
1	Benzene	5	BQL	
2	Bromodichloromethane	5	BQL	
3	Bromoform	5	BQL	
4	Bromomethane	10	BQL	
5	Carbon tetrachloride	5	BQL	
6	Chlorobenzene	5	BQL	
7	Chloroethane	10	BQL	
8	2-Chloroethylvinyl ether	5	BQL	
9	Chloroform	5	BQL	
10	Chloromethane	10	BQL	
11	Dibromochloromethane	5	BQL	
12	1,2-Dichlorobenzene	5	BQL	
13	1,3-Dichlorobenzene	5	BQL	
14	1,4-Dichlorobenzene	5	BQL	
15	1,1-Dichloroethane	5	BQL	
16	1,2-Dichloroethane	5	BQL	
17	1,1-Dichloroethene	5	BQL	
18	cis-1,2-Dichloroethene	5	BQL	
19	trans-1,2-Dichloroethene	5	BQL	
20	1,2-Dichloropropane	5	BQL	
21	cis-1,3-Dichloropropene	5	BQL	
22	trans-1,3-Dichloropropene	5	BQL	
23	Ethylbenzene	5	BQL	
24	Methylene chloride	5		7B
25	1,1,2,2-Tetrachloroethane	5	BQL	
26	Tetrachloroethene	5	BQL	
27	Toluene	5	BQL	
28	1,1,1-Trichloroethane	5	BQL	
29	1,1,2-Trichloroethane	5	BQL	
30	Trichloroethene	5	BQL	
31	Trichlorofluoromethane	5	BQL	
32	Vinyl chloride	10	BQL	

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-05
Project:	Olin - Wilmington	Sample:	CB-2/44-49

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	100	BQL
34	2-Butanone	100	BQL
35	Carbon disulfide	5	BQL
36	1,2-Dibromoethane	5	BQL
37	2-Hexanone	50	BQL
38	Methyl-t-butylether	5	BQL
39	4-Methyl-2-pentanone	50	BQL
40	Styrene	5	BQL
41	Vinyl Acetate	50	BQL
42	Xylenes (Total)	5	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	84	%
Toluene-d8	113	%
Bromofluorobenzene	92	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.
B = Compound in blank

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-06
Project:	Olin - Wilmington	Sample:	GW86-D2/90-95'
Report Date:	12/11/96	Type:	Soil
Collected:	11/21/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/04/96	Dilution Factor:	1
By:	GMT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	cis-1,2-Dichloroethene	5	BQL
19	trans-1,2-Dichloroethene	5	BQL
20	1,2-Dichloropropane	5	BQL
21	cis-1,3-Dichloropropene	5	BQL
22	trans-1,3-Dichloropropene	5	BQL
23	Ethylbenzene	5	BQL
24	Methylene chloride	5	12B
25	1,1,2,2-Tetrachloroethane	5	BQL
26	Tetrachloroethene	5	BQL
27	Toluene	5	BQL
28	1,1,1-Trichloroethane	5	BQL
29	1,1,2-Trichloroethane	5	BQL
30	Trichloroethene	5	BQL
31	Trichlorofluoromethane	5	BQL
32	Vinyl chloride	10	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-06
Project:	Olin - Wilmington	Sample:	GW86-D2/90-95'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	100	BQL
34	2-Butanone	100	BQL
35	Carbon disulfide	5	BQL
36	1,2-Dibromoethane	5	BQL
37	2-Hexanone	50	BQL
38	Methyl-t-butylether	5	BQL
39	4-Methyl-2-pentanone	50	BQL
40	Styrene	5	BQL
41	Vinyl Acetate	50	BQL
42	Xylenes (Total)	5	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	81	%
Toluene-d8	106	%
Bromofluorobenzene	100	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.
B = Compound in blank

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-07
Project:	Olin - Wilmington	Sample:	CB-1/35-37'
Report Date:	12/11/96	Type:	Soil
Collected:	11/24/96	Container:	Glass
Received:	11/29/96		
Analyzed:	12/04/96	Dilution Factor:	1
By:	GMT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)	
1	Benzene	5	BQL	
2	Bromodichloromethane	5	BQL	
3	Bromoform	5	BQL	
4	Bromomethane	10	BQL	
5	Carbon tetrachloride	5	BQL	
6	Chlorobenzene	5	BQL	
7	Chloroethane	10	BQL	
8	2-Chloroethylvinyl ether	5	BQL	
9	Chloroform	5	BQL	
10	Chloromethane	10	BQL	
11	Dibromochloromethane	5	BQL	
12	1,2-Dichlorobenzene	5	BQL	
13	1,3-Dichlorobenzene	5	BQL	
14	1,4-Dichlorobenzene	5	BQL	
15	1,1-Dichloroethane	5	BQL	
16	1,2-Dichloroethane	5	BQL	
17	1,1-Dichloroethene	5	BQL	
18	cis-1,2-Dichloroethene	5	BQL	
19	trans-1,2-Dichloroethene	5	BQL	
20	1,2-Dichloropropane	5	BQL	
21	cis-1,3-Dichloropropene	5	BQL	
22	trans-1,3-Dichloropropene	5	BQL	
23	Ethylbenzene	5	BQL	
24	Methylene chloride	5		9B
25	1,1,2,2-Tetrachloroethane	5	BQL	
26	Tetrachloroethene	5	BQL	
27	Toluene	5	BQL	
28	1,1,1-Trichloroethane	5	BQL	
29	1,1,2-Trichloroethane	5	BQL	
30	Trichloroethene	5	BQL	
31	Trichlorofluoromethane	5	BQL	
32	Vinyl chloride	10	BQL	

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:	Smith Technology	IEA ID:	S154-002-07
Project:	Olin - Wilmington	Sample:	CB-1/35-37'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	100	BQL
34	2-Butanone	100	BQL
35	Carbon disulfide	5	BQL
36	1,2-Dibromoethane	5	BQL
37	2-Hexanone	50	BQL
38	Methyl-t-butylether	5	BQL
39	4-Methyl-2-pentanone	50	BQL
40	Styrene	5	BQL
41	Vinyl Acetate	50	BQL
42	Xylenes (Total)	5	BQL
43	2,4,4 - Trimethyl -1-Pentene	5	BQL
44	2,4,4 - Trimethyl -2-Pentene	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	79	%
Toluene-d8	111	%
Bromofluorobenzene	89	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.
B = Compound in blank

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A

Client:		IEA ID:	METHOD BLANK (12/04)
Project:		Sample:	
Report Date:	12/11/96	Type:	Soil
Collected:		Container:	
Received:			
Analyzed:	12/04/96	Dilution Factor:	1
By:	GMT		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	cis-1,2-Dichloroethene	5	BQL
19	trans-1,2-Dichloroethene	5	BQL
20	1,2-Dichloropropane	5	BQL
21	cis-1,3-Dichloropropene	5	BQL
22	trans-1,3-Dichloropropene	5	BQL
23	Ethylbenzene	5	BQL
24	Methylene chloride	5	3J
25	1,1,2,2-Tetrachloroethane	5	BQL
26	Tetrachloroethene	5	BQL
27	Toluene	5	BQL
28	1,1,1-Trichloroethane	5	BQL
29	1,1,2-Trichloroethane	5	BQL
30	Trichloroethene	5	BQL
31	Trichlorofluoromethane	5	BQL
32	Vinyl chloride	10	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

Analysis Report: EPA Method 8240A

Client:
Project:

IEA ID: METHOD BLANK (12/04)
Sample:

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
33	Acetone	100	BQL
34	2-Butanone	100	BQL
35	Carbon disulfide	5	BQL
36	1,2-Dibromoethane	5	BQL
37	2-Hexanone	50	BQL
38	Methyl-t-butylether	5	BQL
39	4-Methyl-2-pentanone	50	BQL
40	Styrene	5	BQL
41	Vinyl Acetate	50	BQL
42	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	84	%
Toluene-d8	109	%
Bromofluorobenzene	96	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.
Dilution factor adjusted for moisture content of sample.
J = Approximate result. Quantitation below calibration.
Corresponding Samples: S154-002-05, 06, 07

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

QC Report: EPA Method 8240A Matrix Spike
(PAGE 1 OF 2 PAGES)

Client:		IEA ID:	W100-234-17
Project:		Sample:	
Report Date:	12/13/96	Type:	Soil
Collected:		Container:	
Received:			
Analyzed:	11/27/96	Dilution	1
By:	LJT	Factor:	

Priority Pollutant Compounds

Number	Compound	MS %	MSD %	RPD %
1	Benzene	97	93	3.7
2	Bromodichloromethane	89	80	11.0
3	Bromoform	63	56	11.5
4	Bromomethane	98	92	6.8
5	Carbon tetrachloride	74	69	7.5
6	Chlorobenzene	112	108	3.4
7	Chloroethane	110	117	6.2
8	2-Chloroethylvinyl ether	78	54	36.3
9	Chloroform	100	96	4.0
10	Chloromethane	100	94	6.3
11	Dibromochloromethane	95	83	13.5
12	1,2-Dichlorobenzene	77	69	11.5
13	1,3-Dichlorobenzene	78	71	10.2
14	1,4-Dichlorobenzene	81	74	8.7
15	1,1-Dichloroethane	109	106	3.0
16	1,2-Dichloroethane	90	86	5.2
17	1,1-Dichloroethene	109	105	3.7
18	1,2-Dichloroethene (Total)	89	84	5.8
19	1,2-Dichloropropane	108	98	9.3
20	cis-1,3-Dichloropropene	78	68	14.0
21	trans-1,3-Dichloropropene	75	61	20.5
22	Ethylbenzene	106	105	0.8
23	Methylene chloride	151	141	6.8
24	1,1,2,2-Tetrachloroethane	99	86	14.1
25	Tetrachloroethene	118	117	0.8
26	Toluene	113	102	10.4
27	1,1,1-Trichloroethane	82	78	4.2
28	1,1,2-Trichloroethane	115	107	7.6
29	Trichloroethene	106	97	8.0
30	Trichlorofluoromethane	124	125	0.5
31	Vinyl chloride	101	98	3.8

Doc # MSF13200.MA

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

QC Report: EPA Method 8240A Matrix Spike
(PAGE 2 OF 2 PAGES)

Client:
Project:

IEA ID: W100-234-17
Sample:

Number	Compound	MS %	MSD %	RPD %
Other TCL Compounds:				
32	Acetone	101	93	8.4
33	2-Butanone	80	61	27.4
34	Carbon disulfide	93	88	6.3
35	1,2-Dibromoethane	91	80	13.3
36	2-Hexanone	85	75	12.5
37	Methyl-t-butylether	94	91	3.6
38	4-Methyl-2-pentanone	100	96	4.3
39	Styrene	91	84	8.8
40	Vinyl Acetate	75	72	4.8
41	Xylenes (Total)	85	85	0.2
Surrogate Standards:				
	1,2-Dichloroethane-d4	83	80	3.8
	Toluene-d8	99	98	0.9
	Bromofluorobenzene	85	85	0.5

Comments:

Corresponding Samples: S154-002-03, S154-002-04, S154-002-05, S154-002-06, S154-002-07

Doc # MSF13200.MA

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-03
Project:	Olin - Wilmington	Sample:	CB-3/63'
Report Date:	12/06/96	Type:	Soil
Collected:	11/18/96	Container:	Glass
Received:	11/29/96		
Extracted:	12/02/96	Dilution Factor:	1
Analyzed:	12/03/96		
By:	WJG		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	330	BQL
2	Acenaphthylene	330	BQL
3	Aniline	1650	BQL
4	Anthracene	330	BQL
5	Benzoic acid	1650	BQL
6	Benzo(a)anthracene	330	BQL
7	Benzo(b)fluoranthene	330	BQL
8	Benzo(k)fluoranthene	330	BQL
9	Benzo(g,h,i)perylene	330	BQL
10	Benzo(a)pyrene	330	BQL
11	Benzyl alcohol	660	BQL
12	bis(2-Chloroethoxy)methane	330	BQL
13	bis(2-Chloroethyl)ether	330	BQL
14	bis(2-Chloroisopropyl)ether	330	BQL
15	bis(2-Ethylhexyl)phthalate	330	BQL
16	4-Bromophenyl phenyl ether	330	BQL
17	Benzyl butyl phthalate	330	BQL
18	4-Chloroaniline	660	BQL
19	2-Chloronaphthalene	330	BQL
20	4-Chloro-3-methylphenol	660	BQL
21	2-Chlorophenol	330	BQL
22	4-Chlorophenyl phenyl ether	330	BQL
23	Chrysene	330	BQL
24	Dibenzo(a,h)anthracene	330	BQL
25	Dibenzofuran	330	BQL
26	Di-n-butyl phthalate	330	BQL
27	1,3-Dichlorobenzene	330	BQL
28	1,4-Dichlorobenzene	330	BQL
29	1,2-Dichlorobenzene	330	BQL
30	1,2-Diphenylhydrazine	330	BQL
31	3,3'-Dichlorobenzidine	660	BQL
32	2,4-Dichlorophenol	330	BQL
33	Diethyl phthalate	330	BQL
34	2,4-Dimethylphenol	330	BQL
35	Dimethyl phthalate	330	BQL
36	2-Methyl-4,6-dinitrophenol	1650	BQL
37	2,4-Dinitrophenol	1650	BQL
38	2,4-Dinitrotoluene	330	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-03
Project:	Olin - Wilmington	Sample:	CB-3/63'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	330	BQL
40	Di-n-octylphthalate	330	BQL
41	Fluoranthene	330	BQL
42	Fluorene	330	BQL
43	Hexachlorobenzene	330	BQL
44	Hexachlorobutadiene	330	BQL
45	Hexachlorocyclopentadiene	330	BQL
46	Hexachloroethane	330	BQL
47	Indeno(1,2,3-cd)pyrene	330	BQL
48	Isophorone	330	BQL
49	2-Methylnaphthalene	330	BQL
50	2-Methylphenol (o-cresol)	330	BQL
51	4-Methylphenol (p-cresol)	330	BQL
52	Naphthalene	330	BQL
53	2-Nitroaniline	1650	BQL
54	3-Nitroaniline	1650	BQL
55	4-Nitroaniline	1650	BQL
56	Nitrobenzene	330	BQL
57	2-Nitrophenol	330	BQL
58	4-Nitrophenol	1650	BQL
59	N-Nitroso-di-n-propylamine	330	BQL
60	N-Nitrosodiphenylamine	330	BQL
61	Pentachlorophenol	1650	BQL
62	Phenanthrene	330	BQL
63	Phenol	330	BQL
64	Pyrene	330	BQL
65	1,2,4-Trichlorobenzene	330	BQL
66	2,4,5-Trichlorophenol	330	BQL
67	2,4,6-Trichlorophenol	330	BQL

Surrogate Standard Recovery:

2-Fluorophenol	34	%	2-Fluorobiphenyl	38	%
Phenol-d6	47	%	2,4,6-Tribromophenol	64	%
Nitrobenzene-d5	45	%	Terphenyl-d14	64	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-04
Project:	Olin - Wilmington	Sample:	GW86-D1/82-85
Report Date:	12/06/96	Type:	Soil
Collected:	11/20/96	Container:	Glass
Received:	11/29/96		
Extracted:	12/02/96	Dilution Factor:	1
Analyzed:	12/03/96		
By:	WJG		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	330	BQL
2	Acenaphthylene	330	BQL
3	Aniline	1650	BQL
4	Anthracene	330	BQL
5	Benzoic acid	1650	BQL
6	Benzo(a)anthracene	330	BQL
7	Benzo(b)fluoranthene	330	BQL
8	Benzo(k)fluoranthene	330	BQL
9	Benzo(g,h,i)perylene	330	BQL
10	Benzo(a)pyrene	330	BQL
11	Benzyl alcohol	660	BQL
12	bis(2-Chloroethoxy)methane	330	BQL
13	bis(2-Chloroethyl)ether	330	BQL
14	bis(2-Chloroisopropyl)ether	330	BQL
15	bis(2-Ethylhexyl)phthalate	330	BQL
16	4-Bromophenyl phenyl ether	330	BQL
17	Benzyl butyl phthalate	330	BQL
18	4-Chloroaniline	660	BQL
19	2-Chloronaphthalene	330	BQL
20	4-Chloro-3-methylphenol	660	BQL
21	2-Chlorophenol	330	BQL
22	4-Chlorophenyl phenyl ether	330	BQL
23	Chrysene	330	BQL
24	Dibenzo(a,h)anthracene	330	BQL
25	Dibenzofuran	330	BQL
26	Di-n-butyl phthalate	330	BQL
27	1,3-Dichlorobenzene	330	BQL
28	1,4-Dichlorobenzene	330	BQL
29	1,2-Dichlorobenzene	330	BQL
30	1,2-Diphenylhydrazine	330	BQL
31	3,3'-Dichlorobenzidine	660	BQL
32	2,4-Dichlorophenol	330	BQL
33	Diethyl phthalate	330	BQL
34	2,4-Dimethylphenol	330	BQL
35	Dimethyl phthalate	330	BQL
36	2-Methyl-4,6-dinitrophenol	1650	BQL
37	2,4-Dinitrophenol	1650	BQL
38	2,4-Dinitrotoluene	330	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-04
Project:	Olin - Wilmington	Sample:	GW86-D1/82-85

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	330	BQL
40	Di-n-octylphthalate	330	BQL
41	Fluoranthene	330	BQL
42	Fluorene	330	BQL
43	Hexachlorobenzene	330	BQL
44	Hexachlorobutadiene	330	BQL
45	Hexachlorocyclopentadiene	330	BQL
46	Hexachloroethane	330	BQL
47	Indeno(1,2,3-cd)pyrene	330	BQL
48	Isophorone	330	BQL
49	2-Methylnaphthalene	330	BQL
50	2-Methylphenol (o-cresol)	330	BQL
51	4-Methylphenol (p-cresol)	330	BQL
52	Naphthalene	330	BQL
53	2-Nitroaniline	1650	BQL
54	3-Nitroaniline	1650	BQL
55	4-Nitroaniline	1650	BQL
56	Nitrobenzene	330	BQL
57	2-Nitrophenol	330	BQL
58	4-Nitrophenol	1650	BQL
59	N-Nitroso-di-n-propylamine	330	BQL
60	N-Nitrosodiphenylamine	330	BQL
61	Pentachlorophenol	1650	BQL
62	Phenanthrene	330	BQL
63	Phenol	330	BQL
64	Pyrene	330	BQL
65	1,2,4-Trichlorobenzene	330	BQL
66	2,4,5-Trichlorophenol	330	BQL
67	2,4,6-Trichlorophenol	330	BQL

Surrogate Standard Recovery:

2-Fluorophenol	45	%	2-Fluorobiphenyl	41	%
Phenol-d6	54	%	2,4,6-Tribromophenol	63	%
Nitrobenzene-d5	50	%	Terphenyl-d14	60	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-05
Project:	Olin - Wilmington	Sample:	CB-2/44-49
Report Date:	12/06/96	Type:	Soil
Collected:	11/25/96	Container:	Glass
Received:	11/29/96		
Extracted:	12/02/96	Dilution Factor:	1
Analyzed:	12/03/96		
By:	WJG		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	330	BQL
2	Acenaphthylene	330	BQL
3	Aniline	1650	BQL
4	Anthracene	330	BQL
5	Benzoic acid	1650	BQL
6	Benzo(a)anthracene	330	BQL
7	Benzo(b)fluoranthene	330	BQL
8	Benzo(k)fluoranthene	330	BQL
9	Benzo(g,h,i)perylene	330	BQL
10	Benzo(a)pyrene	330	BQL
11	Benzyl alcohol	660	BQL
12	bis(2-Chloroethoxy)methane	330	BQL
13	bis(2-Chloroethyl)ether	330	BQL
14	bis(2-Chloroisopropyl)ether	330	BQL
15	bis(2-Ethylhexyl)phthalate	330	BQL
16	4-Bromophenyl phenyl ether	330	BQL
17	Benzyl butyl phthalate	330	BQL
18	4-Chloroaniline	660	BQL
19	2-Chloronaphthalene	330	BQL
20	4-Chloro-3-methylphenol	660	BQL
21	2-Chlorophenol	330	BQL
22	4-Chlorophenyl phenyl ether	330	BQL
23	Chrysene	330	BQL
24	Dibenzo(a,h)anthracene	330	BQL
25	Dibenzofuran	330	BQL
26	Di-n-butyl phthalate	330	BQL
27	1,3-Dichlorobenzene	330	BQL
28	1,4-Dichlorobenzene	330	BQL
29	1,2-Dichlorobenzene	330	BQL
30	1,2-Diphenylhydrazine	330	BQL
31	3,3'-Dichlorobenzidine	660	BQL
32	2,4-Dichlorophenol	330	BQL
33	Diethyl phthalate	330	BQL
34	2,4-Dimethylphenol	330	BQL
35	Dimethyl phthalate	330	BQL
36	2-Methyl-4,6-dinitrophenol	1650	BQL
37	2,4-Dinitrophenol	1650	BQL
38	2,4-Dinitrotoluene	330	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-05
Project:	Olin - Wilmington	Sample:	CB-2/44-49

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	330	BQL
40	Di-n-octylphthalate	330	BQL
41	Fluoranthene	330	BQL
42	Fluorene	330	BQL
43	Hexachlorobenzene	330	BQL
44	Hexachlorobutadiene	330	BQL
45	Hexachlorocyclopentadiene	330	BQL
46	Hexachloroethane	330	BQL
47	Indeno(1,2,3-cd)pyrene	330	BQL
48	Isophorone	330	BQL
49	2-Methylnaphthalene	330	BQL
50	2-Methylphenol (o-cresol)	330	BQL
51	4-Methylphenol (p-cresol)	330	BQL
52	Naphthalene	330	BQL
53	2-Nitroaniline	1650	BQL
54	3-Nitroaniline	1650	BQL
55	4-Nitroaniline	1650	BQL
56	Nitrobenzene	330	BQL
57	2-Nitrophenol	330	BQL
58	4-Nitrophenol	1650	BQL
59	N-Nitroso-di-n-propylamine	330	BQL
60	N-Nitrosodiphenylamine	330	BQL
61	Pentachlorophenol	1650	BQL
62	Phenanthrene	330	BQL
63	Phenol	330	BQL
64	Pyrene	330	BQL
65	1,2,4-Trichlorobenzene	330	BQL
66	2,4,5-Trichlorophenol	330	BQL
67	2,4,6-Trichlorophenol	330	BQL

Surrogate Standard Recovery:

2-Fluorophenol	48	%	2-Fluorobiphenyl	53	%
Phenol-d6	59	%	2,4,6-Tribromophenol	72	%
Nitrobenzene-d5	57	%	Terphenyl-d14	72	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-06
Project:	Olin - Wilmington	Sample:	GW86-D2/90-95'
Report Date:	12/06/96	Type:	Soil
Collected:	11/21/96	Container:	Glass
Received:	11/29/96		
Extracted:	12/02/96	Dilution Factor:	1
Analyzed:	12/03/96		
By:	WJG		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	330	BQL
2	Acenaphthylene	330	BQL
3	Aniline	1650	BQL
4	Anthracene	330	BQL
5	Benzoic acid	1650	BQL
6	Benzo(a)anthracene	330	BQL
7	Benzo(b)fluoranthene	330	BQL
8	Benzo(k)fluoranthene	330	BQL
9	Benzo(g,h,i)perylene	330	BQL
10	Benzo(a)pyrene	330	BQL
11	Benzyl alcohol	660	BQL
12	bis(2-Chloroethoxy)methane	330	BQL
13	bis(2-Chloroethyl)ether	330	BQL
14	bis(2-Chloroisopropyl)ether	330	BQL
15	bis(2-Ethylhexyl)phthalate	330	BQL
16	4-Bromophenyl phenyl ether	330	BQL
17	Benzyl butyl phthalate	330	BQL
18	4-Chloroaniline	660	BQL
19	2-Chloronaphthalene	330	BQL
20	4-Chloro-3-methylphenol	660	BQL
21	2-Chlorophenol	330	BQL
22	4-Chlorophenyl phenyl ether	330	BQL
23	Chrysene	330	BQL
24	Dibenzo(a,h)anthracene	330	BQL
25	Dibenzofuran	330	BQL
26	Di-n-butyl phthalate	330	BQL
27	1,3-Dichlorobenzene	330	BQL
28	1,4-Dichlorobenzene	330	BQL
29	1,2-Dichlorobenzene	330	BQL
30	1,2-Diphenylhydrazine	330	BQL
31	3,3'-Dichlorobenzidine	660	BQL
32	2,4-Dichlorophenol	330	BQL
33	Diethyl phthalate	330	BQL
34	2,4-Dimethylphenol	330	BQL
35	Dimethyl phthalate	330	BQL
36	2-Methyl-4,6-dinitrophenol	1650	BQL
37	2,4-Dinitrophenol	1650	BQL
38	2,4-Dinitrotoluene	330	BQL

US EPA ARCHIVE DOCUMENT

IEA
An Aquanon Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-06
Project:	Olin - Wilmington	Sample:	GW86-D2/90-95'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	330	BQL
40	Di-n-octylphthalate	330	BQL
41	Fluoranthene	330	BQL
42	Fluorene	330	BQL
43	Hexachlorobenzene	330	BQL
44	Hexachlorobutadiene	330	BQL
45	Hexachlorocyclopentadiene	330	BQL
46	Hexachloroethane	330	BQL
47	Indeno(1,2,3-cd)pyrene	330	BQL
48	Isophorone	330	BQL
49	2-Methylnaphthalene	330	BQL
50	2-Methylphenol (o-cresol)	330	BQL
51	4-Methylphenol (p-cresol)	330	BQL
52	Naphthalene	330	BQL
53	2-Nitroaniline	1650	BQL
54	3-Nitroaniline	1650	BQL
55	4-Nitroaniline	1650	BQL
56	Nitrobenzene	330	BQL
57	2-Nitrophenol	330	BQL
58	4-Nitrophenol	1650	BQL
59	N-Nitroso-di-n-propylamine	330	BQL
60	N-Nitrosodiphenylamine	330	BQL
61	Pentachlorophenol	1650	BQL
62	Phenanthrene	330	BQL
63	Phenol	330	BQL
64	Pyrene	330	BQL
65	1,2,4-Trichlorobenzene	330	BQL
66	2,4,5-Trichlorophenol	330	BQL
67	2,4,6-Trichlorophenol	330	BQL

Surrogate Standard Recovery:

2-Fluorophenol	52	%	2-Fluorobiphenyl	51	%
Phenol-d6	61	%	2,4,6-Tribromophenol	60	%
Nitrobenzene-d5	60	%	Terphenyl-d14	73	%

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-07
Project:	Olin - Wilmington	Sample:	CB-1/35-37'
Report Date:	12/06/96	Type:	Soil
Collected:	11/24/96	Container:	Glass
Received:	11/29/96		
Extracted:	12/02/96	Dilution Factor:	1
Analyzed:	12/03/96		
By:	WJG		

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	330	BQL
2	Acenaphthylene	330	BQL
3	Aniline	1650	BQL
4	Anthracene	330	BQL
5	Benzoic acid	1650	BQL
6	Benzo(a)anthracene	330	BQL
7	Benzo(b)fluoranthene	330	BQL
8	Benzo(k)fluoranthene	330	BQL
9	Benzo(g,h,i)perylene	330	BQL
10	Benzo(a)pyrene	330	BQL
11	Benzyl alcohol	660	BQL
12	bis(2-Chloroethoxy)methane	330	BQL
13	bis(2-Chloroethyl)ether	330	BQL
14	bis(2-Chloroisopropyl)ether	330	BQL
15	bis(2-Ethylhexyl)phthalate	330	BQL
16	4-Bromophenyl phenyl ether	330	BQL
17	Benzyl butyl phthalate	330	BQL
18	4-Chloroaniline	660	BQL
19	2-Chloronaphthalene	330	BQL
20	4-Chloro-3-methylphenol	660	BQL
21	2-Chlorophenol	330	BQL
22	4-Chlorophenyl phenyl ether	330	BQL
23	Chrysene	330	BQL
24	Dibenzo(a,h)anthracene	330	BQL
25	Dibenzofuran	330	BQL
26	Di-n-butyl phthalate	330	BQL
27	1,3-Dichlorobenzene	330	BQL
28	1,4-Dichlorobenzene	330	BQL
29	1,2-Dichlorobenzene	330	BQL
30	1,2-Diphenylhydrazine	330	BQL
31	3,3'-Dichlorobenzidine	660	BQL
32	2,4-Dichlorophenol	330	BQL
33	Diethyl phthalate	330	BQL
34	2,4-Dimethylphenol	330	BQL
35	Dimethyl phthalate	330	BQL
36	2-Methyl-4,6-dinitrophenol	1650	BQL
37	2,4-Dinitrophenol	1650	BQL
38	2,4-Dinitrotoluene	330	BQL

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A

Client:	Smith Technology	IEA ID:	S154-002-07
Project:	Olin - Wilmington	Sample:	CB-1/35-37'

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	330	BQL
40	Di-n-octylphthalate	330	BQL
41	Fluoranthene	330	BQL
42	Fluorene	330	BQL
43	Hexachlorobenzene	330	BQL
44	Hexachlorobutadiene	330	BQL
45	Hexachlorocyclopentadiene	330	BQL
46	Hexachloroethane	330	BQL
47	Indeno(1,2,3-cd)pyrene	330	BQL
48	Isophorone	330	BQL
49	2-Methylnaphthalene	330	BQL
50	2-Methylphenol (o-cresol)	330	BQL
51	4-Methylphenol (p-cresol)	330	BQL
52	Naphthalene	330	BQL
53	2-Nitroaniline	1650	BQL
54	3-Nitroaniline	1650	BQL
55	4-Nitroaniline	1650	BQL
56	Nitrobenzene	330	BQL
57	2-Nitrophenol	330	BQL
58	4-Nitrophenol	1650	BQL
59	N-Nitroso-di-n-propylamine	330	BQL
60	N-Nitrosodiphenylamine	330	BQL
61	Pentachlorophenol	1650	BQL
62	Phenanthrene	330	BQL
63	Phenol	330	BQL
64	Pyrene	330	BQL
65	1,2,4-Trichlorobenzene	330	BQL
66	2,4,5-Trichlorophenol	330	BQL
67	2,4,6-Trichlorophenol	330	BQL

Surrogate Standard Recovery:

2-Fluorophenol	41	%	2-Fluorobiphenyl	41	%
Phenol-d6	49	%	2,4,6-Tribromophenol	47	%
Nitrobenzene-d5	47	%	Terphenyl-d14	55	%

Comments:

PQL = Practical quantitation limit.
BQL = Below quantitation limit.

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0011

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-01

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	43688.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	7258.3			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	9813.7			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5956.8			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	63125.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:

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0012

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BUTTERS ROW NO.2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-02

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	21098.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	5507.3			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	31361.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST. NO.1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-03

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	26413.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	1280.4			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5663.5			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	46429.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CHESTNUT ST. NO.1

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-04

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	14240.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	991.			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	31851.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-05

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	29279.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	5343.7			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	6538.4			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	27124.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-06

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	28881.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	6438.5			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	31682.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-62D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-07

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	28438.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	8005.9			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	35502.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-08

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	13758.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	36738.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-63D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-09

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	37529.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	5408.0			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5946.9			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	44182.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-10

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	5000.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	19575.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-64D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-11

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	43969.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	24883.			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	10982.			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	6431.2			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	66220.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-12

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	19633.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	100.	U		P
7439-92-1	Lead				NR
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	5000.0	U		P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-73D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-13

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	28840.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	920.			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	9240.8			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	28475.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

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Comments:
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687 SAS No.: _____ SDG No.: A2687

Matrix (soil/water): WATER Lab Sample ID: F962687A-14

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	41133.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	23256.			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	10624.			P
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium	5960.3			P
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium	64990.			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

SAMPLE NO. 0145

WET CHEM ANALYSIS DATA SHEET

BUTTERS ROW NO.1

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687001

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	55.6			T
AMMONIA	9.37			AS
BICARB	55.6			
CARBONATE	2.00	U		
CHLORIDE	115.		N	AS
PH	7.04			E
SULFATE	168.			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

BUTTERS ROW NO.2

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687002

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	38.2			T
AMMONIA	0.36			AS
BICARB	38.2			
CARBONATE	2.00	U		
CHLORIDE	63.7		N	AS
PH	6.92			E
SULFATE	44.0			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

01T6 A

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

CHESTNUT ST. NO.1

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687003

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	62.6			T
AMMONIA	1.33			AS
BICARB	62.6			
CARBONATE	2.00	U		
CHLORIDE	96.4		N	AS
PH	6.91			E
SULFATE	52.7			C
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

SAMPLE NO. 0147

WET CHEM ANALYSIS DATA SHEET

CHESTNUT ST. NO.1A

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687004

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	25.0			T
AMMONIA	0.67			AS
BICARB	25.0			
CARBONATE	2.00	U		
CHLORIDE	59.7		N	AS
PH	6.72			E
SULFATE	31.7			G
TEMPERATUR	20.0			

Comments: _____

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SAMPLE NO.: 0148

WET CHEM ANALYSIS DATA SHEET

GW-62S

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687005

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	87.2			T
AMMONIA	1.48			AS
BICARB	87.2			
CARBONATE	2.00	U		
CHLORIDE	53.5		N	AS
PH	6.75			E
SULFATE	47.7			G
TEMPERATUR	20.0			

Comments: _____

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SAMPLE NO. 0143

WET CHEM ANALYSIS DATA SHEET

GW-62M

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687006

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	53.6			I
AMMONIA	1.58			AS
BICARB	53.6			
CARBONATE	2.00	U		
CHLORIDE	57.7		N	AS
PH	6.86			E
SULFATE	71.6			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-62D

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687007

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	61.6			I
AMMONIA	2.22			AS
BICARB	61.6			
CARBONATE	2.00	U		
CHLORIDE	61.0		N	AS
PH	6.87			E
SULFATE	76.1			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-63S

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687008

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	24.8			T
AMMONIA	0.040	U		AB
BICARB	24.8			
CARBONATE	2.00	U		
CHLORIDE	84.2		N	AB
PH	6.76			E
SULFATE	14.8			G
TEMPERATUR	20.0			

Comments: _____

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-63D

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687009

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	94.4			I
AMMONIA	0.13			AS
BICARB	94.4			
CARBONATE	2.00	U		
CHLORIDE	94.7		N	AS
PH	7.03			E
SULFATE	44.0			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO. 0153

GW-64S

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687010

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	12.4			T
AMMONIA	0.040	U		AS
BICARB	12.4			
CARBONATE	2.00	U		
CHLORIDE	31.7		N	AS
PH	6.73			E
SULFATE	10.7			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

SAMPLE NO. 0154

WET CHEM ANALYSIS DATA SHEET

GW-64D

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687011

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	72.0			T
AMMONIA	7.68			AS
BICARB	72.0			
CARBONATE	2.00	U		
CHLORIDE	109.		N	AS
PH	6.80			E
SULFATE	166.			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

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WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-73S

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687012

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	23.8			T
AMMONIA	0.040	U		AS
BICARB	23.8			
CARBONATE	2.00	U		
CHLORIDE	8.7		N	AS
PH	6.92			E
SULFATE	12.3			G
TEMPERATUR	20.0			

Comments:

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US EPA ARCHIVE DOCUMENT

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

GW-73D

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER Lab Sample ID: 2687013

% Solids: 0.0 Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	73.4			T
AMMONIA	0.040	U		AB
BICARB	73.4			
CARBONATE	2.00	U		
CHLORIDE	75.6		N	AB
PH	7.20			E
SULFATE	29.2			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

BLIND

Name: IEA

Contract: _____

Lab Code: IEA Case No.: 2687A SAS No. : _____ SDG No.: A2687

Matrix: (soil/water) WATER

Lab Sample ID: 2687014

% Solids: 0.0

Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	72.4			T
AMMONIA	423.			AS
BICARB	72.4			
CARBONATE	2.00	U		
CHLORIDE	110.		N	AS
PH	6.94			E
SULFATE	180.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7060

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86S

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7060

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7041

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7041

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-06

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7061

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	40	U
74-83-9	Bromomethane	40	U
75-01-4	Vinyl Chloride	40	U
75-00-3	Chloroethane	40	U
75-09-2	Methylene Chloride	20	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	20	U
108-05-4	Vinyl Acetate	40	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	430	
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	40	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	U
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	40	U
591-78-6	2-Hexanone	110	
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U
	2,4,4-Trimethyl-1-pentene	20	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86D

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-06

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7061

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	20	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-87D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-08

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7062

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	40	U
74-83-9	Bromomethane	40	U
75-01-4	Vinyl Chloride	40	U
75-00-3	Chloroethane	40	U
75-09-2	Methylene Chloride	20	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	20	U
108-05-4	Vinyl Acetate	40	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	400	
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	40	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	U
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	40	U
591-78-6	2-Hexanone	120	
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U
	2,4,4-Trimethyl-1-pentene	20	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-87D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-08

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7062

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	20	U

US EPA ARCHIVE DOCUMENT

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-09

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7039

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-09

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7039

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

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US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 122096

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-10

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7040

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 122096

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-10

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7040

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

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0053

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-11

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7044

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	.9	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-11

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7044

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

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US EPA ARCHIVE DOCUMENT

0064

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-12

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7045

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	1	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-12

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7045

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-13

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7065

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
108-05-4	Vinyl Acetate	20	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	29	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	240	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	57	
127-18-4	Tetrachloroethene	4	J
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
	2,4,4-Trimethyl-1-pentene	4	J

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-13

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7065

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	10	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0073

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-14

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7066

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	10	U
108-05-4	Vinyl Acetate	20	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	30	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	260	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	62	
127-18-4	Tetrachloroethene	5	J
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
	2,4,4-Trimethyl-1-pentene	4	J

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-14

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7066

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. _____ Date Analyzed: 01/02/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	10	U

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2194

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/02/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-86S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2194

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/02/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.5	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	.4	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2216

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-86M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2216

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.9	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-86D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2219

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW-86D

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2219

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.5	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	.5	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-87D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2220

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-87D

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2220

Level: (low/med) LOW Date Received: 12/20/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84S

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2201

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84S

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2201

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.9	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.5	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84M

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2215

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84M

ab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2215

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.6	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW84D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2202

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
GW84D

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2202

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

US EPA ARCHIVE DOCUMENT

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2203

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2688A SAS No.: _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 962688A-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2203

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/27/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86S-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-01

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	354.			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	28.0			P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	32297.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	30545.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5910.0			P
7439-96-5	Manganese	648.			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	38753.			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86M-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-03

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	27020.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	16357.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5087.5			P
7439-96-5	Manganese	304.			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium	5.2		*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	27498.			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86D-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-05

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	12.2			P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	246570			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	53098.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	70078.			P
7439-96-5	Manganese	4516.2			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	29356.			P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	219920			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-87D-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-07

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.3			P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	284090			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	34427.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	80855.			P
7439-96-5	Manganese	5933.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	29823.			P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	237520			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84S-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-15

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	21121.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	189.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000.0	U		P
7439-96-5	Manganese	88.7			P
7439-97-6	Mercury	0.25			CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	26559.			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84M-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-16

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	40077.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100.	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	7036.2			P
7439-96-5	Manganese	65.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000.0	U		P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	51167.			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84D-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-17

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	317280			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	221.			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	4042.6			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	152450			P
7439-96-5	Manganese	39242.			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	255.			P
7440-09-7	Potassium	51209.			P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	270080			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	106.			P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND-F

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: F962688A-18

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200.	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	312270			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	218.			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	4094.5			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	151120			P
7439-96-5	Manganese	38427.			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	249.			P
7440-09-7	Potassium	50086.			P
7782-49-2	Selenium	5.0	U	*	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	252480			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	109.			P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-02

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-04

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-86D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-06

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-87D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-08

Level (low/med): LOW Date Received: 12/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-11

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84M

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-12

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW84D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-13

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688 SAS No.: _____ SDG No.: A2688

Matrix (soil/water): WATER Lab Sample ID: T962688A-14

Level (low/med): LOW Date Received: 12/21/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Total Metals

US EPA ARCHIVE DOCUMENT

SAMPLE NO. 0506

WET CHEM ANALYSIS DATA SHEET

GW-86S-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688001

% Solids: 0.0 Date Received: 12/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	65.6			T
AMMONIA	1.85			AS
BICARB	65.6			
CARBONATE	2.00	U		
CHLORIDE	97.4			AS
CYAN-T	0.010	U		AS
PH	6.29			E
SULFATE	98.8			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

0507
SAMPLE NO.

1

WET CHEM ANALYSIS DATA SHEET

GW-86M-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688003

% Solids: 0.0 Date Received: 12/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	52.2			I
AMMONIA	0.49			AB
BICARB	52.2			
CARBONATE	2.00	U		
CHLORIDE	71.6			AB
CYAN-T	0.010	U		AB
PH	6.84			E
SULFATE	50.2			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

0508

SAMPLE NO.

1

WET CHEM ANALYSIS DATA SHEET

GW-86D-F

I Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688005

% Solids: 0.0 Date Received: 12/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	179.			F
AMMONIA	44.3			AS
BICARB	179.			
CARBONATE	2.00	U		
CHLORIDE	471.			AS
CYAN-T	0.010	U		AS
PH	6.90			E
SULFATE	1440.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

SAMPLE NO. 0509

WET CHEM ANALYSIS DATA SHEET

GW-87D-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688007

% Solids: 0.0 Date Received: 12/20/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	246.			T
AMMONIA	47.3			AS
BICARB	246.			
CARBONATE	2.00	U		
CHLORIDE	533.			AS
CYAN-T	0.010	U		AS
PH	7.15			E
SULFATE	1630.			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

SAMPLE NO. 0510

WET CHEM ANALYSIS DATA SHEET

GW84S-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688015

% Solids: 0.0 Date Received: 12/21/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	22.2			I
AMMONIA	0.18			AS
BICARB	22.2			
CARBONATE	2.00	U		
CHLORIDE	74.1			AS
CYAN-T	0.010	U		AS
PH	6.96			E
SULFATE	33.8			G
TEMPERATUR	20.0			

Comments: _____

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US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE 0511

GW84M-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688016

% Solids: 0.0 Date Received: 12/21/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	31.2			T
AMMONIA	0.041			AS
BICARB	31.2			
CARBONATE	2.00	U		
CHLORIDE	155.			AS
CYAN-T	0.010	U		AS
PH	6.91			E
SULFATE	31.3			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

0512

1

SAMPLE NO.

WET CHEM ANALYSIS DATA SHEET

GW84D-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688017

% Solids: 0.0 Date Received: 12/21/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	334.			T
AMMONIA	120.			AS
BICARB	334.			
CARBONATE	2.00	U		
CHLORIDE	848.			AS
CYAN-T	0.010	U		AS
PH	6.96			E
SULFATE	3430.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

BLIND-F

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2688A SAS No. : _____ SDG No.: A2688

Matrix: (soil/water) WATER Lab Sample ID: 2688018

% Solids: 0.0 Date Received: 12/21/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
ALKALIN	330.			T
AMMONIA	126.			AS
BICARB	330.			
CARBONATE	2.00	U		
CHLORIDE	849.			AS
CYAN-T	0.010	U		AS
PH	6.98			E
SULFATE	3500.			G
TEMPERATUR	20.0			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

IEA
An Aquarion Company

IEA Laboratory Results

Client: SMITH TECHNOLOGY
Project: OLIN WILMINGTON, MA
Report Date: 12/16/96

IEA ID: S154-003
Received: 12/03/96

IEA #	Client ID	Parameter	Results	Units	PQL	Date Analyzed	Analyst	Method
01	GW-86-M	Sulfate	16	mg/L	2.0	12/13/96	CCV	375.4
02	GW-86-D	Sulfate	1100	mg/L	2.0	12/13/96	CCV	375.4

Comments:

PQL = Practical quantitation limit.
BQL = Below quantitation limit.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-1S

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-01

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	5000.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-1D

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-02

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	43959.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-2

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-03

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	81737.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-3

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-04

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	175420			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-5

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-05

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	342800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SL-6

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-06

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	248000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BLIND

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703 SAS No.: _____ SDG No.: A2703

Matrix (soil/water): WATER Lab Sample ID: F962703A-07

Level (low/med): LOW Date Received: 12/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	79331.			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: CL Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO. 0092

SL-1S

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703001

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.040	U		
CHLORIDE	3.00	U		
SULFATE	17.7			

Comments: _____

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US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO. 0093

SL-1D

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703002

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.040	U		
CHLORIDE	21.6			
SULFATE	127.			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

SL-2

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703003

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.040	U		
CHLORIDE	3.00	U		
SULFATE	239.			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO. 0095

SL-3

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703004

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.73			
CHLORIDE	4.1			
SULFATE	502.			

Comments: _____

FORM I - WC

SAMPLE NO. 0006

WET CHEM ANALYSIS DATA SHEET

SL-5

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703005

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	79.3			
CHLORIDE	28.9			
SULFATE	1370.			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO. 0097

SL-6

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703006

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	70.9			
CHLORIDE	57.6			
SULFATE	956.			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

1

SAMPLE NO.

WET CHEM ANALYSIS DATA SHEET

BLIND

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2703A SAS No. : _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2703007

% Solids: _____ Date Received: 12/18/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	0.040	U		
CHLORIDE	3.00	U		
SULFATE	235.			

Comments: _____

FORM I - WC

US EPA ARCHIVE DOCUMENT

0019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7027

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 12/31/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
108-05-4	Vinyl Acetate	10	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	2,4,4-Trimethyl-1-pentene	5	U

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-04

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7027

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 12/31/96

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	5	U

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IW-12

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7036

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	50	U
108-05-4	Vinyl Acetate	100	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	2000	
127-18-4	Tetrachloroethene	50	U
108-88-3	Toluene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	47	J
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	39	J
	2,4,4-Trimethyl-1-pentene	560	

FORM I VOA

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IW-12

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-02

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7036

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	120	

US EPA ARCHIVE DOCUMENT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IW-11

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2206

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
100-51-6	Benzyl alcohol	200	U
95-50-1	1,2-Dichlorobenzene	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
65-85-0	Benzoic acid	1000	U
111-91-1	bis(2-Chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IW-11

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2704A SAS No.: _____ SDG No.: A2704

Matrix: (soil/water) WATER Lab Sample ID: 962704A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2206

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/97

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	200	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	11	J
7005-72-3	4-Chlorophenyl-phenylether	200	U
86-73-7	Fluorene	200	U
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	950	
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
84-74-2	Di-n-butylphthalate	6	JB
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	bis(2-Ethylhexyl)phthalate	30	JB
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: IEA-CT Contract: _____ Client ID: IW-13

Lab Code: IEACT Case No.: 2704A SDG No.: A2704

Matrix: (soil/water): WATER Lab Sample ID: 962704A-03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1502091

% Moisture: _____ decanted: (Y/N)__ Date Received : 12/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/19/96

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 01/07/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor Epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	1.0	U

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

0332

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

IW-12

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2704 SAS No.: _____ SDG No.: A2704

Matrix (soil/water): WATER Lab Sample ID: F962704A-02

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

WET CHEM ANALYSIS DATA SHEET

Name: IEA Contract:

Lab Code: IEA Case No.: 27044 SAS No.: SDG No.: A2704

Matrix: (soil/water) AQUEOUS Lab Sample ID: 2704001

% Solids: Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
CHLORIDE	28.9			

Comments:

FORM I - WC

WET CHEM ANALYSIS DATA SHEET

Name: IEA Contract:

Lab Code: IEA Case No.: 27044 SAS No.: SDG No.: 42704

Matrix: (soil/water) WATER Lab Sample ID: 2704003

% Solids: Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	42.3			
SULFATE	159.			

Comments:

FORM I - WC

US EPA ARCHIVE DOCUMENT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 0015

GW7

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2706A SAS No.: _____ SDG No.: A2706

Matrix: (soil/water) WATER Lab Sample ID: 962706A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7035

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	7	J
67-64-1	Acetone	44	
75-15-0	Carbon Disulfide	10	
108-05-4	Vinyl Acetate	20	U
75-35-4	1,1-Dichloroethene	2	J
75-34-3	1,1-Dichloroethane	3	J
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	14	
107-06-2	1,2-Dichloroethane	13	
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	23	
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	54	
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	3	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	180	
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	22	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
	2,4,4-Trimethyl-1-pentene	3	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0016
GW7

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2706A SAS No.: _____ SDG No.: A2706

Matrix: (soil/water) WATER Lab Sample ID: 962706A-01

Sample wt/vol: 5 (g/mL) ML Lab File ID: >D7035

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: not dec. _____ Date Analyzed: 01/01/97

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	2,4,4-Trimethyl-2-pentene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW7 0076

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2706A SAS No.: _____ SDG No.: A2706

Matrix: (soil/water) WATER Lab Sample ID: 962706A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2175

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	.2	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

US EPA ARCHIVE DOCUMENT

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0077

GW7

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 2706A SAS No.: _____ SDG No.: A2706

Matrix: (soil/water) WATER Lab Sample ID: 962706A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H2175

Level: (low/med) LOW Date Received: 12/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	1	J
101-55-3	4-Bromophenyl-phenylether	3	J
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	.4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

US EPA ARCHIVE DOCUMENT

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW7

Lab Name: IEA Contract: _____

Lab Code: IEA Case No.: 2706 SAS No.: _____ SDG No.: A2706

Matrix (soil/water): WATER Lab Sample ID: F962706A-01

Level (low/med): LOW Date Received: 12/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29782.			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.1			P
7440-39-3	Barium	200.	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	138050			P
7440-47-3	Chromium	1462.8		E	P
7440-48-4	Cobalt	427.			P
7440-50-8	Copper	100.			P
7439-89-6	Iron	30134.		E	P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	84352.			P
7439-96-5	Manganese	12773.		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	323.			P
7440-09-7	Potassium	14038.			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	172840			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	643.			P
57-12-5	Cyanide				NR

Color Before: CL Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
Filtered Metals

US EPA ARCHIVE DOCUMENT

0238

SAMPLE NO.

WET CHEM ANALYSIS DATA SHEET

GW7

Name: IEA Contract: _____

Lab Code: IEA Case No.: 2706A SAS No. : _____ SDG No.: A2706

Matrix: (soil/water) WATER Lab Sample ID: 2706001

% Solids: _____ Date Received: 12/19/96

Concentration Units (mg/L or mg/kg dry weight) : mg/L

Analyte	Concentration	C	Q	M
AMMONIA	7.99			
CHLORIDE	697.			
SULFATE	3590.			

Comments: _____

FORM I - WC