

The RETEC Group, Inc.  
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Ithaca, NY 14850-3342

DSS 255

Scan —

May 25, 2006

**RECEIVED**

Mr. Charles Burke

National Fuel Gas Distribution Corporation JUN 12 2006

Building 11

365 Mineral Springs Road

Buffalo, NY 14210

NYSDEC REG 9  
FOIL  
✓REL UNREL

(607) 277-5716 Phone  
(607) 277-9057 Fax  
www.retec.com

**RE: Groundwater and Surface Water Monitoring Results  
April 2006  
Mineral Springs Road MGP Site**

Dear Charlie:

This report provides the results of a groundwater and surface water sampling event completed by The RETEC Group, Inc. (RETEC) on April 25 and 26, 2006, at the Mineral Springs Road former MGP site in West Seneca (and Buffalo), New York.

The work at the Mineral Springs site is being conducted under a NYSDEC Voluntary Cleanup Agreement (number B9-0538-98-08) as described in the Remedial Design, dated February 10, 1999, and the Final Engineering Report, Volume II – Operations and Maintenance Plan, dated May 2002.

### Summary

A total of 13 groundwater samples and 2 surface water samples were collected and analyzed. A total of 15 depth-to-water measurements were taken. Sampling locations are shown in the attached figure. Analytical results are summarized in the attached table.

Concentrations of BTEX and PAH compounds were below NYSDEC standard or guidance values in the two surface water samples, and in two of the five onsite groundwater samples.

Total cyanide concentrations exceeded the NYSDEC groundwater standard in eight of the groundwater samples analyzed. Free cyanide was detected in two of the wells sampled. Total cyanide and free cyanide were detected in the two surface water samples at concentrations below the NYSDEC standards.

The cover of monitoring well MW-21 was found to be broken, apparently by a snow plow. The top of the riser pipe, containing the plug, was broken off, leaving the well open. The well had accumulated about 1 foot of material in the bottom. The well was sampled, and then covered with a temporary steel plate.

### Groundwater Elevations

Depth-to-water measurements were taken at 14 monitoring wells and at surface water sampling point SW-01. The measurements were used to construct the groundwater contours shown in the attached figure.

At the time of the sampling, groundwater flowed onto the site from the southeast, then flowed to the northwest towards Calais Street and Mineral Springs Road. Onsite groundwater also appears to discharge to the Class D Stream, which in turn discharges to the Calais Street storm sewer and the municipal wastewater treatment system. These results are consistent with previous sampling events conducted at the site.

### **Sampling and Analysis**

A total of 13 monitoring wells were purged and sampled by a RETEC geologist. Two surface water samples were also collected. Sampling locations are shown on the attached figure.

Severn Trent Laboratories (STL) of Pittsburgh, PA, performed the analyses of the groundwater and surface water samples for hydrocarbon COI. STL is currently certified to perform the requested analyses under the NYSDOH Environmental Laboratory Approval Program. The samples were analyzed for Manufactured Gas Plant (MGP) indicators using the following methods:

BTEX	Method SW846 8260B
PAHs	Method SW846 8270C

Samples were also sent to Clarkson University of Potsdam, NY (Clarkson) for cyanide analysis using the following methods:

Cyanide (free)	Method ASTM D4282-89
Cyanide (total)	Method SW864 9012A

All sampling and analyses were conducted according to RETEC's Standard Operating Procedures as provided in the project Quality Assurance Plan of June 11, 1999. Additionally, the cyanide samples were protected from light during collection to prevent the dissociation of metal-cyanide compounds, which would artificially elevate free cyanide results. The cyanide samples were also treated with lead carbonate and filtered to remove potential sulfide interferences.

### **Analytical Results and Conclusions**

The results of the laboratory analyses are summarized in the attached table. The laboratory reports and the chain-of-custody forms are attached as well. The locations, sampling objectives, and a discussion of the analytical results for each of the specific areas of interest at the site are provided in the following sections.

#### **Upgradient Site Perimeter**

Well MW-17 is located in the southeast corner of the site and monitors upgradient groundwater quality. The results of the analyses indicate that no BTEX or PAH compounds were detected in concentrations greater than the method detection limits. Total cyanide was detected at a concentration of 263 µg/L. Free cyanide was detected at 5.3 µg/L.

#### **Downgradient Site Perimeter**

Wells MW-20 and MW-21 are located downgradient of the western boundary of the site on Calais Street. Wells MW-13, MW-14, MW-22 and MW-23 are located just inside the northern property boundary near Mineral Springs Road. These six "sentinel" wells monitor groundwater quality downgradient of the site. The groundwater samples from these six wells were analyzed for total and free cyanide.

Five of the wells were found to contain total cyanide in concentrations above the NYSDEC groundwater standard of 200 µg/L. Concentrations ranged from 61 µg/L at MW-13 to 587 µg/L at MW-22. These concentrations are generally consistent with previous results. Free cyanide was not detected in any of the sentinel wells above method detection limits.

### **Onsite Purifier Residuals Impacted Areas**

Wells MW-12 and MW-16 monitor groundwater quality at locations of known subsurface deposits of purifier box residuals. These deposits were remediated by capping. Samples from these two wells were analyzed for total and free cyanide.

Total cyanide concentrations were 440 µg/L at MW-12 and 266 µg/L at MW-16. Free cyanide was detected in MW-12 at a concentration of 2.6 µg/L, but not detected in MW-16.

### **Onsite Hydrocarbon NAPL Impacted Areas**

Wells MW-7, MW-10, MW-11A, and MW-19 monitor onsite groundwater quality downgradient of subsurface soil impacted with hydrocarbon NAPL. Samples from these wells were analyzed for BTEX and PAHs.

BTEX and PAHs were not detected at MW-10, except a low concentration of naphthalene. Consistent with previous results, BTEX and PAH compounds were detected above the groundwater standards in MW-7, MW-11A, and MW-19.

### **Surface Water**

Two surface water samples were collected during this sampling event. Sample SW-01 was collected at the Calais Street storm sewer inlet. Sample SW-02 was collected from the Eastern Drainage Ditch near the Class D Stream. These surface sampling locations monitor the effectiveness of the Eastern Drainage Ditch Cap and also monitor the concentrations of COI in surface water at its most downgradient location at the Mineral Springs site.

BTEX and PAHs were not detected in either surface water sample, except a low concentration of naphthalene at SW-01. Total and free cyanide were not detected above the NYSDEC standards in either surface water sample.

### **QA/QC Samples**

Quality control samples were collected during the sampling event to meet the requirements of the project QAP.

An equipment blank (EB) was prepared using organic free water supplied by the laboratory that was run over and through a sample collection bailer and through peristaltic pump tubing. No cyanide, BTEX, or PAH compounds were detected in the equipment blank.

A trip blank (TB) sample was prepared by the laboratory and was stored in the sample cooler throughout the sampling event and during transportation back to the laboratory. The trip blank was analyzed for BTEX and no compounds were detected in concentrations greater than the method detection limits.

Sample "MW-7B" was collected as a duplicate from MW-7 and submitted for analysis of BTEX and PAHs. The duplicate results were within the acceptable range.

Mr. Charles Burke  
May 25, 2006  
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Sample "MW-160" was collected as a duplicate from MW-16 and submitted to Clarkson for the analysis of total and free cyanide. The duplicate results were within the acceptable range.

**DNAPL Recovery Test Well (RTW-1)**

During this groundwater sampling event, the Recovery System was operated to purge RTW-1 of DNAPL that had accumulated since the July 2005 sampling event. Approximately ½ gallon of water was pumped out. The water contained only trace amounts (blebs) of NAPL.

If you have any questions or comments, please do not hesitate to call me at (607) 277-5716.

Sincerely,  
**The RETEC Group, Inc.**



Mark Hofferbert, P.E.  
Project Engineer

encl: Groundwater Contours (figure)  
Laboratory Results Summary (table)  
Laboratory Reports

cc: T. Alexander - NFG  
D. Flynn - Phillips, Lytle  
D. Szymanski - NYSDEC  
C. O'Connor - NYSDOH (w. figure/table only)  
G. Bailey - NYSDEC (w. figure/table only)  
G. Litwin - NYSDOH (w. figure/table only)  
File: NFGD3-14852-300

Groundwater and Surface Water Monitoring Results  
Mineral Springs Road MGP Site  
April 2006

PARAMETER	GROUNDWATER SAMPLES															SURFACE WATER			QA / QC				
	Sample ID : Sample Date :	MW-07 04/25/06	MW-10 04/25/06	MW-11A 04/25/06	MW-12 04/26/06	MW-13 04/26/06	MW-14 04/26/06	MW-15 04/26/06	MW-16 04/26/06	MW-17 04/25/06	MW-19 04/26/06	MW-20 04/25/06	MW-21 04/26/06	MW-22 04/26/06	MW-23 04/26/06	Groundwater Standard <sup>(1)</sup>	SW-01 04/26/06	SW-02 04/25/06	Class D Stream Standard <sup>(1)</sup>	TB 04/25/06	EB 04/25/06	MW-07 Dup 04/25/06	MW-16 Dup 04/26/06
<b>BTEX (µg/L)</b>																							
Benzene	2900	nd	67	---	---	---	---	---	---	nd	5800	---	---	---	---	1	nd	nd	10	nd	nd	2000	---
Toluene	1100	nd	0.56 J	---	---	---	---	---	---	nd	nd	---	---	---	---	5	nd	nd	6000	nd	nd	750	---
Ethylbenzene	3100	nd	2.5	---	---	---	---	---	---	nd	260	---	---	---	---	5	nd	nd	150 *	nd	nd	2100	---
Xylene (sum of isomers)	1800	nd	8.1	---	---	---	---	---	---	nd	730 J	---	---	---	---	5 (each)	nd	nd	590 *	nd	nd	1200	---
<b>PAHs (µg/L)</b>																							
Naphthalene	3000	43	2.9 J	---	---	---	---	---	---	nd	2800	---	---	---	---	10 *	32	nd	110 *	---	nd	3000	---
Acenaphthylene	nd	nd	5.1 J	---	---	---	---	---	---	nd	nd	---	---	---	---	NL *	nd	nd	NL	---	nd	nd	---
Acenaphthene	120 E	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	20 *	nd	nd	48 *	---	nd	120 E	---
Fluorene	32	nd	1.5 J	---	---	---	---	---	---	nd	nd	---	---	---	---	50 *	nd	nd	4.8 *	---	nd	31	---
Phenanthrene	33	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	50 *	nd	nd	4.5 *	---	nd	32	---
Anthracene	5.4 J	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	50 *	nd	nd	3.5 *	---	nd	3.7 J	---
Fluoranthene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	50 *	nd	nd	NL	---	nd	nd	---
Pyrene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	50 *	nd	nd	42 *	---	nd	nd	---
Benzo(a)Anthracene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	0.002 *	nd	nd	0.23 *	---	nd	nd	---
Chrysene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	0.002 *	nd	nd	NL	---	nd	nd	---
Benzo(b)Fluoranthene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	0.002 *	nd	nd	NL	---	nd	nd	---
Benzo(k)Fluoranthene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	0.002 *	nd	nd	NL	---	nd	nd	---
Benzo(a)Pyrene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	ND	nd	nd	0.0012 *	---	nd	nd	---
Indeno(1,2,3-cd)Pyrene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	0.002 *	nd	nd	NL	---	nd	nd	---
Dibenz(a,h)Anthracene	0.47 J	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	NL	nd	nd	NL	---	nd	nd	---
Benzo(g,h,i)Perylene	nd	nd	nd	---	---	---	---	---	---	nd	nd	---	---	---	---	NL	nd	nd	NL	---	nd	nd	---
2-Methylnaphthalene	350 J	3.8 J	nd	---	---	---	---	---	---	nd	5.5 J	---	---	---	---	NL	nd	nd	NL	---	nd	310 J	---
<b>CYANIDE (µg/L)</b>																							
Cyanide, total	---	---	---	440	61	305	---	---	266	263	---	429	404	587	267	200	4	3	9000	---	nd	---	285
Cyanide, free	---	---	---	2.6	nd	nd	---	---	nd	5.2	---	nd	nd	nd	nd	NL	2.3	2.3	22	---	nd	---	nd
Water Elevation (feet)	581.90	581.15	582.38	580.96	579.42	577.99	580.54	582.14	582.14	581.42	576.60	577.28	580.69	578.19	NL	581.6	Approx. 581.7	---	---	---	---	---	---

**Notes:**

NL Not listed

nd Not detected above method detection limit

--- Not analyzed for

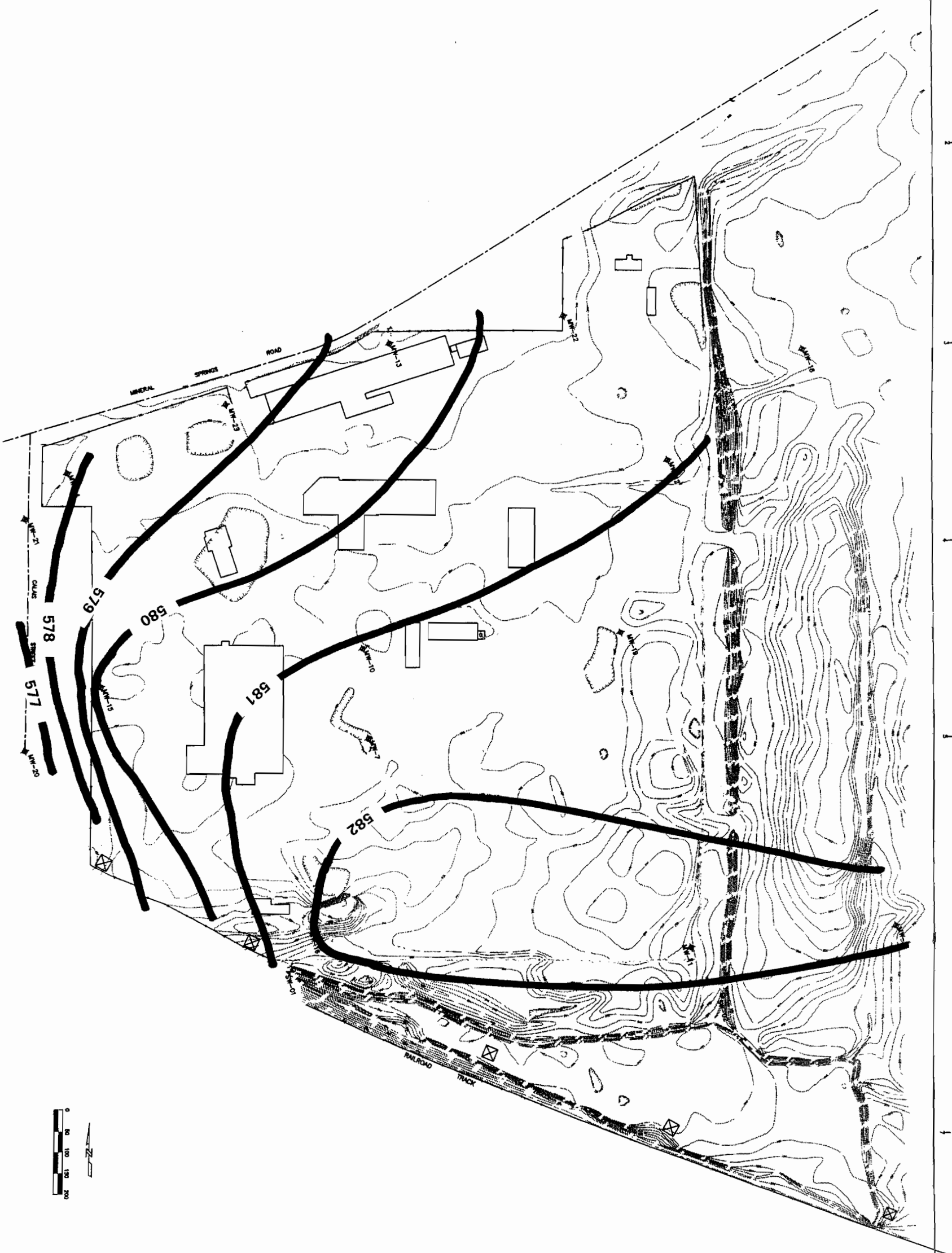
J, E Indicates laboratory estimated value

(1) NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1),

Ambient Water Quality Standards and Guidance Values - 6 NYCRR 700 - revised June 1998.

• Groundwater or Surface Water Guidance Value (no Standard value listed)

C Concentrations exceeding NYSDEC regulatory standard or guidance value.



APRIL 2006 GROUNDWATER CONTOURS

NATIONAL FUEL GAS  
MINERAL SPRINGS ROAD SITE

**REFTEC**



May 5, 2006

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JUN 12 2006

NYSDEC REG 9  
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DEPARTMENT OF  
CIVIL AND ENVIRONMENTAL ENGINEERING

Mark Hofferbert  
The RETEC Group, Inc.  
1001 W. Seneca St., Suite 204  
Ithaca, NY 14850-3342

Re: Project Number NFGD3-14852 groundwater samples analyzed by Eleanor Hopke, Clarkson University

Dear Mr. Hofferbert:

Thirteen groundwater samples were received from The RETEC Group, Inc. on April 26, 2006. The samples arrived cold (4°C) in brown plastic bottles, two 250-ml bottles for each sample. The Chain of Custody Record indicated that the samples were treated with lead carbonate and filtered in the field. pH's of the samples were about 14. Requested analyses were Total Cyanide and Free Cyanide by Microdiffusion.

The duplicate sample containers were composited before analysis. Laboratory spikes, laboratory duplicates, check standards and calibration standard repeats were analyzed along with the samples.

The following methods were used to analyze the samples:

Total Cyanide – APHA *Standard Methods* 4500-CN C. "Total Cyanide after Distillation" and APHA *Standard Methods* 4500-CN E., "Colorimetric Method."

Free Cyanide - ASTM D4282-95. "Standard Test Method for Determination of Free Cyanide in Water and Wastewater by Microdiffusion." using lower concentration standards to better bracket the sample concentrations, and substituting APHA 4500-CN D. to standardize the stock cyanide standard. Additional buffer was added to lower the pH of the soil extraction liquids adequately for the analysis.

For Diffusible and Total Cyanide, the stock cyanide standard was calibrated using *Standard Methods*, 4500-CN D., "Titrimetric Method."

The analytical results follow:

**Groundwater Samples**  
**TOTAL CYANIDE and FREE CYANIDE**  
**Results in  $\mu\text{g CN}^-/\text{L}$**

ID	TOTAL CN	FREE CYANIDE
MW-12	440	2.6
MW-13	61	<2.3
MW-14	305	<2.3
MW-16	266	<2.3
MW-17	263	5.2
MW-20	429	<2.3
MW-21	404	<2.3
MW-22	587	<2.3
MW-23	267	<2.3
MW-160	285	<2.3
SW-01	4	2.3
SW-02	3	2.3
EB 042506	<3	<2.3
LAB DUPLICATE	260, 271	<2.3, <2.3
	MW-16	MW-23
LAB SPIKE	101.0%	92.7%
	MW-14	MW-13
REAGENT BLANK	<3	<2.3
CHECK STANDARD	97.7%	99.2%
CALIBRATION CHECK	102.2%	97.3%

I will be very glad to answer any questions or give further information about the analyses. Thank you for the opportunity to analyze them for you.

Sincerely,

*Eleanor Hopke*

Eleanor Hopke  
Research Technician  
Tel: 315-268-3772  
e-mail: [hopkeef@clarkson.edu](mailto:hopkeef@clarkson.edu)





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## **ANALYTICAL REPORT**

**PROJECT NO. NFGD3-14852-300**

**Retec-Mineral Springs**

**Lot #: C6D280314**

**Jim Edwards**

**The RETEC Group Inc**

**SEVERN TRENT LABORATORIES, INC.**

A handwritten signature in black ink, appearing to read "Dunlap".

**Dave Dunlap**  
Project Manager

**May 19, 2006**

The RETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Volatiles

Lot-Sample #....: C6D280314-001    Work Order #....: H4C421AA    Matrix.....: WATER  
Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6123027  
Prep Date.....: 05/03/06    Analysis Date...: 05/03/06  
Prep Batch #....: 6123038  
Dilution Factor: 150    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	2900	150	ug/L
Ethylbenzene	3100	150	ug/L
Toluene	1100	150	ug/L
Xylenes (total)	1800	450	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
4-Bromofluorobenzene	94	(70 - 118)
Dibromofluoromethane	110	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-001    Work Order #....: H4C421AC    Matrix.....: WATER  
 Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6122049  
 Prep Date.....: 05/02/06    Analysis Date...: 05/16/06  
 Prep Batch #....: 6122076  
 Dilution Factor: 0.96    Method.....: SW846 B270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	210 E	9.6	ug/L
Naphthalene	440 E	9.6	ug/L
Acenaphthylene	ND	9.6	ug/L
Acenaphthene	120 E	9.6	ug/L
Fluorene	32	9.6	ug/L
Phenanthrene	33	9.6	ug/L
Anthracene	5.4 J	9.6	ug/L
Fluoranthene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L
Benzo(a)anthracene	ND	9.6	ug/L
Chrysene	ND	9.6	ug/L
Benzo(b)fluoranthene	ND	9.6	ug/L
Benzo(k)fluoranthene	ND	9.6	ug/L
Benzo(a)pyrene	ND	9.6	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.6	ug/L
Dibenzo(a,h)anthracene	0.47 J	9.6	ug/L
Benzo(ghi)perylene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	90	(19 - 138)
2-Fluorobiphenyl	78	(35 - 115)
2-Fluorophenol	70	(10 - 118)
Nitrobenzene-d5	114	(39 - 115)
Phenol-d5	76	(18 - 115)
Terphenyl-d14	54	(17 - 129)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.  
 J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-001  
Date Sampled....: 04/25/06  
Prep Date.....: 05/02/06  
Prep Batch #....: 6122076  
Dilution Factor: 38.4

Work Order #....: H4C422AC  
Date Received...: 04/28/06  
Analysis Date...: 05/18/06

Matrix.....: WATER  
MS Run #.....: 6122049

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	350 J	380	ug/L
Naphthalene	3000	380	ug/L
Acenaphthylene	ND	380	ug/L
Acenaphthene	ND	380	ug/L
Fluorene	ND	380	ug/L
Phenanthrene	ND	380	ug/L
Anthracene	ND	380	ug/L
Fluoranthene	ND	380	ug/L
Pyrene	ND	380	ug/L
Benzo(a)anthracene	ND	380	ug/L
Chrysene	ND	380	ug/L
Benzo(b)fluoranthene	ND	380	ug/L
Benzo(k)fluoranthene	ND	380	ug/L
Benzo(a)pyrene	ND	380	ug/L
Indeno(1,2,3-cd)pyrene	ND	380	ug/L
Dibenzo(a,h)anthracene	ND	380	ug/L
Benzo(ghi)perylene	ND	380	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC, DIL	(19 - 138)
2-Fluorobiphenyl	NC, DIL	(35 - 115)
2-Fluorophenol	NC, DIL	(10 - 118)
Nitrobenzene-d5	NC, DIL	(39 - 115)
Phenol-d5	NC, DIL	(18 - 115)
Terphenyl-d14	NC, DIL	(17 - 129)

**NOTE(S):**

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-10

GC/MS Volatiles

Lot-Sample #....: C6D280314-002  
Date Sampled....: 04/25/06  
Prep Date.....: 05/03/06  
Prep Batch #....: 6123038  
Dilution Factor: 1

Work Order #....: H4C481AA  
Date Received...: 04/28/06  
Analysis Date...: 05/03/06  
Method.....: SW846 8260B

Matrix.....: WATER  
MS Run #.....: 6123027

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	86	(70 - 118)
Dibromofluoromethane	102	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-10

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-002  
Date Sampled....: 04/25/06  
Prep Date.....: 05/02/06  
Prep Batch #....: 6122076  
Dilution Factor: 1.06

Work Order #....: H4C481AC  
Date Received...: 04/28/06  
Analysis Date...: 05/16/06  
Method.....: SW846 8270C

Matrix.....: WATER  
MS Run #.....: 6122049

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	3.8 J	11	ug/L
Naphthalene	43	11	ug/L
Acenaphthylene	ND	11	ug/L
Acenaphthene	ND	11	ug/L
Fluorene	ND	11	ug/L
Phenanthrene	ND	11	ug/L
Anthracene	ND	11	ug/L
Fluoranthene	ND	11	ug/L
Pyrene	ND	11	ug/L
Benzo(a)anthracene	ND	11	ug/L
Chrysene	ND	11	ug/L
Benzo(b)fluoranthene	ND	11	ug/L
Benzo(k)fluoranthene	ND	11	ug/L
Benzo(a)pyrene	ND	11	ug/L
Indeno(1,2,3-cd)pyrene	ND	11	ug/L
Dibenzo(a,h)anthracene	ND	11	ug/L
Benzo(ghi)perylene	ND	11	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(19 - 138)
2-Fluorobiphenyl	78	(35 - 115)
2-Fluorophenol	69	(10 - 118)
Nitrobenzene-d5	77	(39 - 115)
Phenol-d5	76	(18 - 115)
Terphenyl-d14	82	(17 - 129)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-11A

GC/MS Volatiles

Lot-Sample #....: C6D280314-003    Work Order #....: H4C5A1AA    Matrix.....: WATER  
Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6124259  
Prep Date.....: 05/04/06    Analysis Date...: 05/04/06  
Prep Batch #....: 6124362  
Dilution Factor: 2    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	67	2.0	ug/L
Ethylbenzene	2.5	2.0	ug/L
Toluene	0.56 J	2.0	ug/L
Xylenes (total)	8.1	6.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	109	(70 - 118)
Dibromofluoromethane	100	(64 - 128)

**NOTE(S):**

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-11A

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-003	Work Order #....: H4C5A1AC	Matrix.....: WATER
Date Sampled....: 04/25/06	Date Received...: 04/28/06	MS Run #.....: 6122049
Prep Date.....: 05/02/06	Analysis Date...: 05/16/06	
Prep Batch #....: 6122076		
Dilution Factor: 0.94	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	ND	9.4	ug/L
Naphthalene	2.9 J	9.4	ug/L
Acenaphthylene	5.1 J	9.4	ug/L
Acenaphthene	ND	9.4	ug/L
Fluorene	1.5 J	9.4	ug/L
Phenanthrene	ND	9.4	ug/L
Anthracene	ND	9.4	ug/L
Fluoranthene	ND	9.4	ug/L
Pyrene	ND	9.4	ug/L
Benzo(a)anthracene	ND	9.4	ug/L
Chrysene	ND	9.4	ug/L
Benzo(b)fluoranthene	ND	9.4	ug/L
Benzo(k)fluoranthene	ND	9.4	ug/L
Benzo(a)pyrene	ND	9.4	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.4	ug/L
Dibenzo(a,h)anthracene	ND	9.4	ug/L
Benzo(ghi)perylene	ND	9.4	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	72	(19 - 138)
2-Fluorobiphenyl	69	(35 - 115)
2-Fluorophenol	65	(10 - 118)
Nitrobenzene-d5	70	(39 - 115)
Phenol-d5	66	(18 - 115)
Terphenyl-d14	40	(17 - 129)

**NOTE(S):**

J Estimated result. Result is less than RL.



The RETEC Group, Inc.

Client Sample ID: MW-17

GC/MS Volatiles

Lot-Sample #....: C6D280314-004    Work Order #....: H4C5C1AA    Matrix.....: WATER  
Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6123027  
Prep Date.....: 05/03/06    Analysis Date...: 05/03/06  
Prep Batch #....: 6123038  
Dilution Factor: 1    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	91	(71 - 118)
1,2-Dichloroethane-d4	84	(64 - 135)
4-Bromofluorobenzene	83	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-17

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-004    Work Order #....: H4C5C1AC    Matrix.....: WATER  
 Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6122049  
 Prep Date.....: 05/02/06    Analysis Date...: 05/16/06  
 Prep Batch #....: 6122076  
 Dilution Factor: 0.97    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	ND	9.7	ug/L
Naphthalene	ND	9.7	ug/L
Acenaphthylene	ND	9.7	ug/L
Acenaphthene	ND	9.7	ug/L
Fluorene	ND	9.7	ug/L
Phenanthrene	ND	9.7	ug/L
Anthracene	ND	9.7	ug/L
Fluoranthene	ND	9.7	ug/L
Pyrene	ND	9.7	ug/L
Benzo(a)anthracene	ND	9.7	ug/L
Chrysene	ND	9.7	ug/L
Benzo(b)fluoranthene	ND	9.7	ug/L
Benzo(k)fluoranthene	ND	9.7	ug/L
Benzo(a)pyrene	ND	9.7	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.7	ug/L
Dibenzo(a,h)anthracene	ND	9.7	ug/L
Benzo(ghi)perylene	ND	9.7	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	78	(19 - 138)
2-Fluorobiphenyl	72	(35 - 115)
2-Fluorophenol	66	(10 - 118)
Nitrobenzene-d5	72	(39 - 115)
Phenol-d5	70	(18 - 115)
Terphenyl-d14	46	(17 - 129)

The RETEC Group, Inc.

Client Sample ID: MW-19

GC/MS Volatiles

Lot-Sample #....: C6D280314-005    Work Order #....: H4C5D1AA    Matrix.....: WATER  
Date Sampled....: 04/26/06    Date Received...: 04/28/06    MS Run #.....: 6124259  
Prep Date.....: 05/04/06    Analysis Date...: 05/04/06  
Prep Batch #....: 6124362  
Dilution Factor: 250    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	5800	250	ug/L
Ethylbenzene	260	250	ug/L
Toluene	ND	250	ug/L
Xylenes (total)	730 J	750	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
Dibromofluoromethane	97	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-19

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-005  
Date Sampled....: 04/26/06  
Prep Date.....: 05/02/06  
Prep Batch #....: 6122076  
Dilution Factor: 1

Work Order #....: H4C5D1AC  
Date Received...: 04/28/06  
Analysis Date...: 05/16/06  
Method.....: SW846 8270C

Matrix.....: WATER  
MS Run #.....: 6122049

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	5.5 J	10	ug/L
Naphthalene	400 E	10	ug/L
Acenaphthylene	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenzo(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(19 - 138)
2-Fluorobiphenyl	77	(35 - 115)
2-Fluorophenol	72	(10 - 118)
Nitrobenzene-d5	105	(39 - 115)
Phenol-d5	79	(18 - 115)
Terphenyl-d14	43	(17 - 129)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

The RETEC Group, Inc.

Client Sample ID: MW-19

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-005    Work Order #....: H4C5D2AC    Matrix.....: WATER  
 Date Sampled....: 04/26/06    Date Received...: 04/28/06    MS Run #.....: 6122049  
 Prep Date.....: 05/02/06    Analysis Date...: 05/18/06  
 Prep Batch #....: 6122076  
 Dilution Factor: 40    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	ND	400	ug/L
Naphthalene	2800	400	ug/L
Acenaphthylene	ND	400	ug/L
Acenaphthene	ND	400	ug/L
Fluorene	ND	400	ug/L
Phenanthrene	ND	400	ug/L
Anthracene	ND	400	ug/L
Fluoranthene	ND	400	ug/L
Pyrene	ND	400	ug/L
Benzo(a)anthracene	ND	400	ug/L
Chrysene	ND	400	ug/L
Benzo(b)fluoranthene	ND	400	ug/L
Benzo(k)fluoranthene	ND	400	ug/L
Benzo(a)pyrene	ND	400	ug/L
Indeno(1,2,3-cd)pyrene	ND	400	ug/L
Dibenzo(a,h)anthracene	ND	400	ug/L
Benzo(ghi)perylene	ND	400	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC, DIL	(19 - 138)
2-Fluorobiphenyl	NC, DIL	(35 - 115)
2-Fluorophenol	NC, DIL	(10 - 118)
Nitrobenzene-d5	NC, DIL	(39 - 115)
Phenol-d5	NC, DIL	(18 - 115)
Terphenyl-d14	NC, DIL	(17 - 129)

**NOTE(S):**

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

The RETEC Group, Inc.

Client Sample ID: SW-01

GC/MS Volatiles

Lot-Sample #....: C6D280314-006    Work Order #....: H4C5E1AA    Matrix.....: WATER  
Date Sampled....: 04/26/06    Date Received...: 04/28/06    MS Run #.....: 6124259  
Prep Date.....: 05/04/06    Analysis Date...: 05/04/06  
Prep Batch #....: 6124362  
Dilution Factor: 1    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(71 - 118)
1,2-Dichloroethane-d4	99	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	97	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: SW-01

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-006  
Date Sampled....: 04/26/06  
Prep Date.....: 05/02/06  
Prep Batch #....: 6122076  
Dilution Factor: 0.99

Work Order #....: H4C5E1AC  
Date Received...: 04/28/06  
Analysis Date...: 05/16/06  
Method.....: SW846 8270C

Matrix.....: WATER  
MS Run #.....: 6122049

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2-Methylnaphthalene	ND	9.9	ug/L
Naphthalene	32	9.9	ug/L
Acenaphthylene	ND	9.9	ug/L
Acenaphthene	ND	9.9	ug/L
Fluorene	ND	9.9	ug/L
Phenanthrene	ND	9.9	ug/L
Anthracene	ND	9.9	ug/L
Fluoranthene	ND	9.9	ug/L
Pyrene	ND	9.9	ug/L
Benzo(a)anthracene	ND	9.9	ug/L
Chrysene	ND	9.9	ug/L
Benzo(b)fluoranthene	ND	9.9	ug/L
Benzo(k)fluoranthene	ND	9.9	ug/L
Benzo(a)pyrene	ND	9.9	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.9	ug/L
Dibenzo(a,h)anthracene	ND	9.9	ug/L
Benzo(ghi)perylene	ND	9.9	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2,4,6-Tribromophenol	78	(19 - 138)
2-Fluorobiphenyl	73	(35 - 115)
2-Fluorophenol	67	(10 - 118)
Nitrobenzene-d5	73	(39 - 115)
Phenol-d5	73	(18 - 115)
Terphenyl-d14	49	(17 - 129)

The RETEC Group, Inc.

Client Sample ID: SW-02

GC/MS Volatiles

Lot-Sample #....: C6D280314-007  
Date Sampled....: 04/25/06  
Prep Date.....: 05/04/06  
Prep Batch #....: 6124362  
Dilution Factor: 1

Work Order #....: H4C5F1AA  
Date Received...: 04/28/06  
Analysis Date...: 05/04/06  
Method.....: SW846 8260B

Matrix.....: WATER  
MS Run #.....: 6124259

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	98	(64 - 128)



The KETEC Group, Inc.

Client Sample ID: SW-02

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-007  
 Date Sampled....: 04/25/06  
 Prep Date.....: 05/02/06  
 Prep Batch #....: 6122076  
 Dilution Factor: 1.11

Work Order #....: H4C5F1AC  
 Date Received...: 04/28/06  
 Analysis Date...: 05/16/06  
 Method.....: SW846 8270C

Matrix.....: WATER  
 MS Run #.....: 6122049

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	ND	11	ug/L
Naphthalene	ND	11	ug/L
Acenaphthylene	ND	11	ug/L
Acenaphthene	ND	11	ug/L
Fluorene	ND	11	ug/L
Phenanthrene	ND	11	ug/L
Anthracene	ND	11	ug/L
Fluoranthene	ND	11	ug/L
Pyrene	ND	11	ug/L
Benzo(a)anthracene	ND	11	ug/L
Chrysene	ND	11	ug/L
Benzo(b)fluoranthene	ND	11	ug/L
Benzo(k)fluoranthene	ND	11	ug/L
Benzo(a)pyrene	ND	11	ug/L
Indeno(1,2,3-cd)pyrene	ND	11	ug/L
Dibenzo(a,h)anthracene	ND	11	ug/L
Benzo(ghi)perylene	ND	11	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	81	(19 - 138)
2-Fluorobiphenyl	79	(35 - 115)
2-Fluorophenol	75	(10 - 118)
Nitrobenzene-d5	80	(39 - 115)
Phenol-d5	79	(18 - 115)
Terphenyl-d14	60	(17 - 129)

The RETEC Group, Inc.

Client Sample ID: EB-042506

GC/MS Volatiles

Lot-Sample #....: C6D280314-008    Work Order #....: H4C5G1AA    Matrix.....: WATER  
 Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6124259  
 Prep Date.....: 05/04/06    Analysis Date...: 05/04/06  
 Prep Batch #....: 6124362  
 Dilution Factor: 1    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	90	(71 - 118)
1,2-Dichloroethane-d4	111	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	107	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: KB-042506

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-008    Work Order #....: H4C5G1AC    Matrix.....: WATER  
 Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6122049  
 Prep Date.....: 05/02/06    Analysis Date...: 05/16/06  
 Prep Batch #....: 6122076  
 Dilution Factor: 0.94    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2-Methylnaphthalene	ND	9.4	ug/L
Naphthalene	ND	9.4	ug/L
Acenaphthylene	ND	9.4	ug/L
Acenaphthene	ND	9.4	ug/L
Fluorene	ND	9.4	ug/L
Phenanthrene	ND	9.4	ug/L
Anthracene	ND	9.4	ug/L
Fluoranthene	ND	9.4	ug/L
Pyrene	ND	9.4	ug/L
Benzo(a)anthracene	ND	9.4	ug/L
Chrysene	ND	9.4	ug/L
Benzo(b)fluoranthene	ND	9.4	ug/L
Benzo(k)fluoranthene	ND	9.4	ug/L
Benzo(a)pyrene	ND	9.4	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.4	ug/L
Dibenzo(a,h)anthracene	ND	9.4	ug/L
Benzo(ghi)perylene	ND	9.4	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2,4,6-Tribromophenol	83	(19 - 138)
2-Fluorobiphenyl	76	(35 - 115)
2-Fluorophenol	76	(10 - 118)
Nitrobenzene-d5	78	(39 - 115)
Phenol-d5	80	(18 - 115)
Terphenyl-d14	77	(17 - 129)

The RETEC Group, Inc.

Client Sample ID: TB-042506

GC/MS Volatiles

Lot-Sample #....: C6D280314-009    Work Order #....: H4C5H1AA    Matrix.....: WATER  
 Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6123027  
 Prep Date.....: 05/03/06    Analysis Date...: 05/03/06  
 Prep Batch #....: 6123038  
 Dilution Factor: 1    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	92	(70 - 118)
Dibromofluoromethane	110	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-7B

GC/MS Volatiles

Lot-Sample #....: C6D280314-010    Work Order #....: H4C5K1AA    Matrix.....: WATER  
Date Sampled....: 04/25/06    Date Received...: 04/28/06    MS Run #.....: 6128126  
Prep Date.....: 05/08/06    Analysis Date...: 05/08/06  
Prep Batch #....: 6128253  
Dilution Factor: 100    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	2000	100	ug/L
Ethylbenzene	2100	100	ug/L
Toluene	750	100	ug/L
Xylenes (total)	1200	300	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	82	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	92	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-7B

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-010  
Date Sampled....: 04/25/06  
Prep Date.....: 05/02/06  
Prep Batch #....: 6122076  
Dilution Factor: 1.08

Work Order #....: H4CSK1AC  
Date Received...: 04/28/06  
Analysis Date...: 05/16/06  
Method.....: SW846 8270C

Matrix.....: WATER  
MS Run #.....: 6122049

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	220 E	11	ug/L
Naphthalene	450 E	11	ug/L
Acenaphthylene	ND	11	ug/L
Acenaphthene	120 E	11	ug/L
Fluorene	31	11	ug/L
Phenanthrene	32	11	ug/L
Anthracene	3.7 J	11	ug/L
Fluoranthene	ND	11	ug/L
Pyrene	ND	11	ug/L
Benzo(a)anthracene	ND	11	ug/L
Chrysene	ND	11	ug/L
Benzo(b)fluoranthene	ND	11	ug/L
Benzo(k)fluoranthene	ND	11	ug/L
Benzo(a)pyrene	ND	11	ug/L
Indeno(1,2,3-cd)pyrene	ND	11	ug/L
Dibenzo(a,h)anthracene	ND	11	ug/L
Benzo(ghi)perylene	ND	11	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	92	(19 - 138)
2-Fluorobiphenyl	83	(35 - 115)
2-Fluorophenol	73	(10 - 118)
Nitrobenzene-d5	113	(39 - 115)
Phenol-d5	82	(18 - 115)
Terphenyl-d14	60	(17 - 129)

NOTE(S):

- E Estimated result. Result concentration exceeds the calibration range.  
J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-7B

GC/MS Semivolatiles

Lot-Sample #....: C6D280314-010	Work Order #....: H4C5K2AC	Matrix.....: WATER
Date Sampled....: 04/25/06	Date Received...: 04/28/06	MS Run #.....: 6122049
Prep Date.....: 05/02/06	Analysis Date...: 05/18/06	
Prep Batch #....: 6122076		
Dilution Factor: 43.2	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylnaphthalene	310 J	430	ug/L
Naphthalene	3000	430	ug/L
Acenaphthylene	ND	430	ug/L
Acenaphthene	ND	430	ug/L
Fluorene	ND	430	ug/L
Phenanthrene	ND	430	ug/L
Anthracene	ND	430	ug/L
Fluoranthene	ND	430	ug/L
Pyrene	ND	430	ug/L
Benzo (a) anthracene	ND	430	ug/L
Chrysene	ND	430	ug/L
Benzo (b) fluoranthene	ND	430	ug/L
Benzo (k) fluoranthene	ND	430	ug/L
Benzo (a) pyrene	ND	430	ug/L
Indeno (1,2,3-cd) pyrene	ND	430	ug/L
Dibenzo (a,h) anthracene	ND	430	ug/L
Benzo (ghi) perylene	ND	430	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(19 - 138)
2-Fluorobiphenyl	NC,DIL	(35 - 115)
2-Fluorophenol	NC,DIL	(10 - 118)
Nitrobenzene-d5	NC,DIL	(39 - 115)
Phenol-d5	NC,DIL	(18 - 115)
Terphenyl-d14	NC,DIL	(17 - 129)

**NOTE(S) :**

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

# Chain of Custody Record

No 0032

The RETEC Group, Inc.  
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Project Name: Muncial Springs Project Number: AF6D3-14852

Send Report To: Mark Hofferbert Sampler (Print Name): Jesse Lloyd

Address: Above address Sampler (Print Name):

Shipment Method: FedEx

Airbill Number: Clarkson Univ.

Laboratory Receiving: ✓

Phone:

Fax:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers
MW-12	4-26-06	1402	Ag	2
MW-13	4-26-06	0902		
MW-14	4-26-06	1537		
MW-16	4-26-06	1026		
MW-17	4-26-06	1520		
MW-20	4-26-06	1138		
MW-21	4-26-06	1734		
MW-22	4-26-06	1312		
MW-23	4-26-06	1626		
MW-160	4-26-06	1434		
SW-01	4-26-06	1650		
SW-02	4-26-06	1540		
EB-042506				

Page 1 of 1

Purchase Order #:

Comments, Special Instructions, etc.

Lab Sample ID (to be completed by lab)

All sample were treated with lead carbonate & filtered in the Field

Standard TAT

QA/QC Level

Level I ☐ Level II ☐ Level III ☐ Other ☐

Turnaround

QC Seals Present? ☐

QC Seals Intact? ☐

Received Containers Intact? ☐

Temperature? ☐

Relinquished by: (Signature) Jesse Lloyd Date: 4-27-06 Time: 1600

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC



