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September 14, 2007

Mr. Charles Burke  
National Fuel Gas Distribution Corporation  
Building 8  
365 Mineral Springs Road  
Buffalo, NY 14210

RECEIVED

SEP 25 2007

NYSDEC REG 8

FOIL  
✓ REL — UNREL

**Subject: Groundwater and Surface Water Monitoring Results  
August 2007  
Mineral Springs Road MGP Site**

Dear Charlie,

This report provides the results of a groundwater and surface water sampling event completed by ENSR Corporation (dba The RETEC Group, Inc. [RETEC]) on August 21 and 22, 2007, 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 were collected and analyzed. A total of 14 depth-to-water measurements were taken. Sampling locations are shown in the attached figure. Analytical results are summarized in the attached table.

Groundwater elevations were the lowest measured since 2000 and some of the analytical laboratory results may, therefore, be atypical.

Concentrations of BTEX and/or PAH compounds were above NYSDEC standard or guidance values in four of the seven onsite groundwater samples.

Total cyanide concentrations exceeded the NYSDEC groundwater standard in eight of the nine groundwater samples analyzed. Free cyanide was detected in five the groundwater samples.

No surface water samples were collected this sampling round due to the Class D stream being dry.

## Groundwater Elevations

Depth-to-water measurements were taken at the 13 monitoring wells. The measurements were used to construct the groundwater contours shown in the attached figure. Groundwater elevations were approximately 1 to 2 feet lower this sampling round than in the August 2006 sampling event and 2 to 5



Charles Burke  
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feet lower than the April 2007 event. These groundwater elevations are the lowest measured since the monitoring program started in 2000. Some of the analytical laboratory results may also, therefore, be atypical.

At the time of the sampling, groundwater flowed onto the site from the west-northwest, and then flowed to the west towards Calais Street and Mineral Springs Road. Onsite groundwater usually appears to also discharge to the Class D Stream, which in turn discharges to the Calais Street storm sewer and the municipal wastewater treatment system. The Stream, however, was dry during this sampling event.

## Sampling and Analysis

A total of 13 monitoring wells were purged and sampled by a RETEC geologist. Sampling locations are shown on the attached figure.

Test America (formerly Severn Trent Laboratories (STL)) of Pittsburgh, PA, performed the analyses of the groundwater samples for hydrocarbon compounds of concern. Test America 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 APHA 4500-CN-

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. Because groundwater elevations were the lowest measured since the monitoring program started in 2000, some of the analytical laboratory results may be atypical.

## 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, PAH compounds or total cyanide was detected in concentrations greater than the NYSDEC Standard or Guidance values. Total cyanide was detected at a concentration of 148 µg/L. Free cyanide was not detected.



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## **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 337 µg/L at MW-20 to 664 µg/L at MW-13. Free cyanide was detected in three of the sentinel wells above method detection limits. These concentrations are generally consistent with previous results with the following exceptions;

- The total cyanide concentration in MW-13 increased from 3 µg/L in April 2007, to 664 µg/L in August 2007. The concentration in August 2006 was 300 µg/L.
- Free cyanide was detected above method detection limits in five of the nine groundwater wells sampled. Free cyanide was not detected in any groundwater samples above method detection limits in the April 2007 or August 2006 sampling events.

## **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 454 µg/L at MW-12 and 429 µg/L at MW-16. Free cyanide was detected in both of these monitoring wells.

## **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 in concentrations greater than NYSDEC Standard or Guidance values.. Consistent with previous results, BTEX and PAH compounds were detected above the groundwater standards in MW-7, MW-11A, and MW-19.

## **Surface Water**

No surface water samples were able to be collected during this sampling event. The Class D Stream running along the south side of the site was dry at the time of sampling.

## **QA/QC Samples**

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



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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.

A duplicate sample was collected from MW-19 and submitted for analysis of BTEX and PAHs. The duplicate results were within the acceptable range for the PAHs samples. The BTEX results, however, were out of range. Purge water from this monitoring well contained sheen and a strong hydrocarbon odor at the time of sampling. It is possible a bleb of sheen was captured in the duplicate sample.

A duplicate sample was collected from MW-20 and submitted for 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 April 2007 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 yours,



Mark Hofferbert, P.E.  
Project Engineer

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

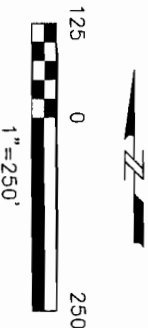
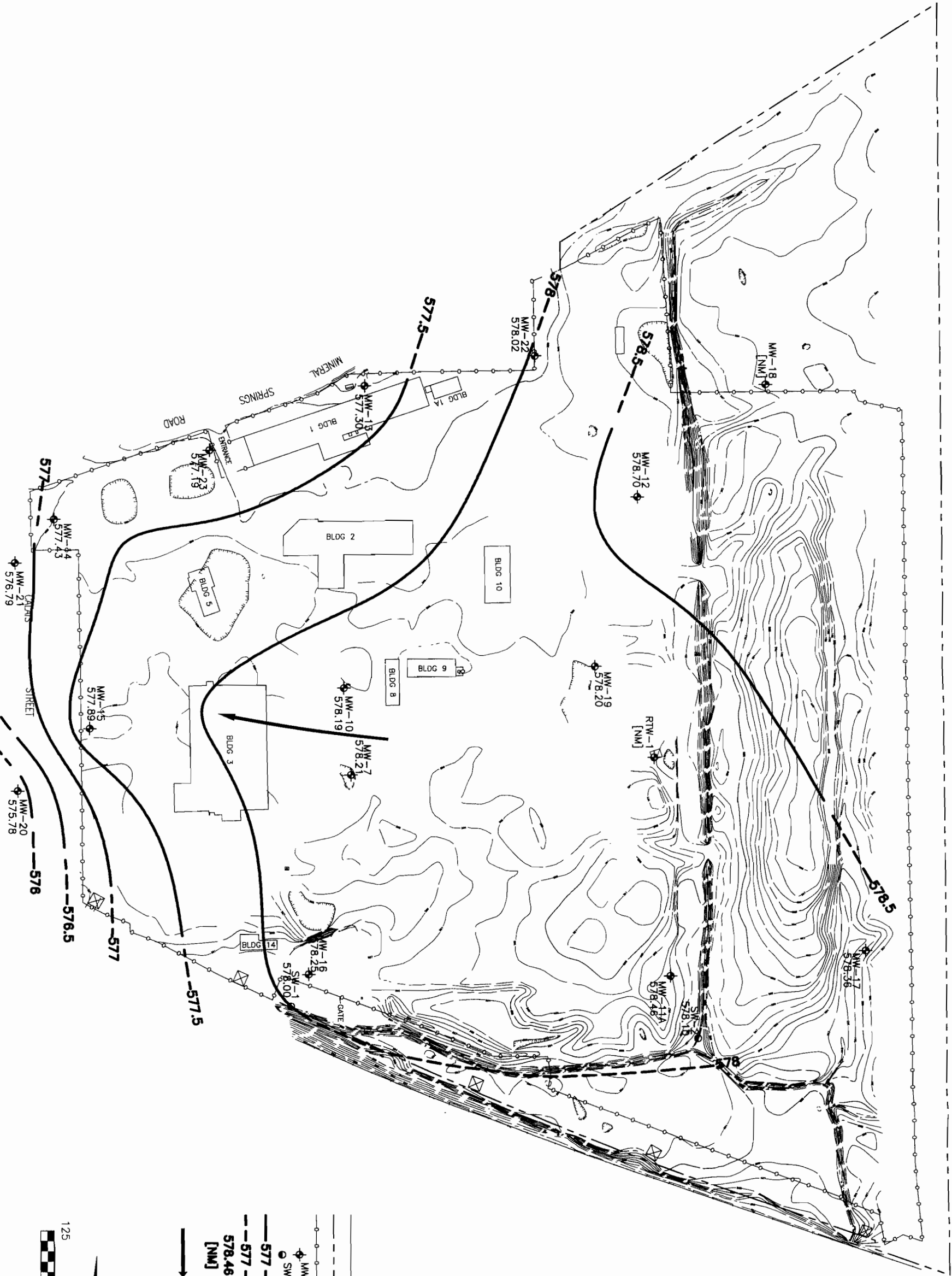
cc: T. Alexander - NFG  
D. Flynn - Phillips, Lytle  
D. Szymanski - NYSDEC  
C. O'Connor - NYSDOH (w. figure/table only)  
G. Bailey - NYSDEC (w. figure/table only)  
G. Litwin - NYSDOH (w. figure/table only)  
File: NFGD3-14852-300



## Figure – Groundwater Countours



ENSR  
AECOM



## Table – Laboratory Results Summary

Groundwater and Surface Water Monitoring Results  
Mineral Springs Road MGP Site

August 2007

PARAMETER	GROUNDWATER														SURFACE WATER				QA / QC				
	Sample ID : Sample Date :	MW-07 08/21/07	MW-10 08/21/07	MW-11A 08/21/07	MW-12 08/21/07	MW-13 08/22/07	MW-14 08/21/07	MW-15 08/21/07	MW-16 08/21/07	MW-17 08/21/07	MW-19 08/21/07	MW-20 08/22/07	MW-21 08/22/07	MW-22 08/21/07	MW-23 08/21/07	Groundwater Standard <sup>(1)</sup>	SW-01 08/21/07	SW-02 08/21/07	Class D Stream Standard <sup>(1)</sup>	TB 08/22/07	EB 08/21/07	MW-19 Dup 08/21/07	MW-20 Dup 08/22/07
BTEX (ug/L)																							
	Benzene	1900	nd	180	---	2.1	---	---	---	nd	4500	---	---	---	nd	1	Note 1	Note 1	10	nd	nd	7500	---
	Toluene	100 J	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	5	---	---	6000	nd	nd	630	---
	Ethylbenzene	2000	1.3	5.5 J	---	0.38 J	---	---	---	1.1	100 J	---	---	---	nd	5	---	---	150 *	nd	nd	1200	---
Xylene (sum of isomers)	1100	0.66 J	29 J			nd				0.63 J	470 J				nd	5 (each)	---	---	590 *	nd	nd	990	---
PAHs (ug/L)																							
	Naphthalene	3100	2.3 J	0.79 J	---	0.88 J	---	---	---	nd	4600	---	---	---	nd	10 *	---	---	110 *	---	nd	4900	---
	Acenaphthylene	nd	nd	0.93 J	---	nd	---	---	---	nd	nd	---	---	---	nd	NL *	---	---	NL	---	nd	nd	---
	Acenaphthene	130	nd	2.7 J	---	nd	---	---	---	nd	nd	---	---	---	nd	20 *	---	---	48 *	---	nd	nd	---
	Fluorene	25 J	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	50 *	---	---	4.8 *	---	nd	nd	---
	Phenanthrene	25 J	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	50 *	---	---	45 *	---	nd	nd	---
	Anthracene	3.0 J	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	50 *	---	---	35 *	---	nd	nd	---
	Fluoranthene	nd	nd	0.57 J	---	nd	---	---	---	---	nd	---	---	---	nd	50 *	---	---	NL	---	nd	nd	---
	Pyrene	nd	nd	1.2 J	---	nd	---	---	---	---	nd	---	---	---	nd	50 *	---	---	42 *	---	nd	nd	---
	Benzo(a)anthracene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	0.002 *	---	---	0.23 *	---	nd	nd	---
	Chrysene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	0.002 *	---	---	NL	---	nd	nd	---
	Benzo(b)fluoranthene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	0.002 *	---	---	NL	---	nd	nd	---
	Benzo(k)fluoranthene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	0.002 *	---	---	NL	---	nd	nd	---
	Benzo(a)pyrene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	NL	---	---	0.0012 *	---	nd	nd	---
	Indeno(1,2,3-cd)pyrene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	0.002 *	---	---	NL	---	nd	nd	---
	Dibenz(a,h)anthracene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	NL	---	---	NL	---	nd	nd	---
	Benzo(g,h,i)perylene	nd	nd	nd	---	nd	---	---	---	---	nd	---	---	---	nd	NL	---	---	NL	---	nd	nd	---
2-Methylnaphthalene	230	nd	nd			nd				nd	5.5 J			nd	NL	---	---	NL	---	nd	5.4 J	---	
CYANIDE (ug/L)																							
	Cyanide, total	---	---	---	454	664	422	---	429	148	---	337	560	641	374	200	Note 1	Note 1	9000	---	nd	---	349
	Cyanide, free	---	---	---	6.8	5.3	nd	---	4	nd	---	2.6	nd	4.3	nd	NL	---	---	22	---	nd	---	2.5
Water Elevation (feet)	578.21	578.19	578.46	578.7	577.3	577.43	577.89	578.25	578.36	578.2	575.78	576.79	578.02	577.19	NL	Dry	Dry	NL	---	---	---	---	

Notes:

NL Not listed

nd Not detected above method detection limit

--- Not analyzed

J, E Indicates laboratory estimated value

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

\* Groundwater or Surface Water Guidance Value (no Standard Value listed)

Concentrations exceeding NYSDEC regulatory standard or guidance value.

Note 1 - No surface water samples were collected due to the Class D stream being dry.



## Laboratory Reports



September 5, 2007

DEPARTMENT OF  
CIVIL AND ENVIRONMENTAL ENGINEERING

Mark Hofferbert  
ENSR Corporation  
1001 W. Seneca St., Suite 204  
Ithaca, NY 14850-3342

Re: PO Number 2053080. Groundwater samples analyzed by Eleanor Hopke, Clarkson University

Dear Mr. Hofferbert:

Eleven groundwater samples were received from ENSR Corporation on August 24, 2007. The samples arrived cold (4°C) in brown plastic bottles, two 250-ml bottles for each sample. Requested analyses were Total Cyanide and Free Cyanide by Microdiffusion. The Chain of Custody form indicated that the samples had been treated with lead and filtered before arrival.

The duplicate sample containers were composited before analysis. Laboratory matrix spikes and matrix spike duplicates, independent check standards, continuing calibration verification standards, and reagent blanks were analyzed along with the samples.

The following methods were used to analyze the samples:

Total Cyanide – APHA *Standard Methods* 4500-CN<sup>-</sup> C. "Total Cyanide after Distillation" and APHA *Standard Methods* 4500-CN<sup>-</sup> 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 match the sample concentrations, and substituting APHA 4500-CN<sup>-</sup> D. to standardize the stock cyanide standard.

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

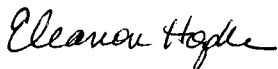
The analytical results follow:

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

ID	Free Cyanide	Total Cyanide
MW-12	6.8	454
MW-13	5.3	664
MW-14	<2	422
MW-16	4.0	429
MW-17	<2	148
MW-20	2.6	337
MW-21	<2	560
MW-22	4.3	641
MW-23	<2	374
MW-200	2.5	349
EB 082107	<2	<3
Matrix Spike and Matrix Spike Duplicate	94.4%, 97.0% (MW-20)	95.0%, 99.6 % (MW-14)
Reagent Blank	<2	<3
Independent Check Std	92.8%, 101.0%	97.3%

I will be very glad to answer any questions you might have about these results. Thank you very much for sending them to Clarkson for analysis.

Sincerely,



Eleanor Hopke  
Research Technician  
Clarkson University  
Box 5710  
Potsdam, NY 13699

Tel: 315-268-3772  
Fax: 315-268-7985  
e-mail: [hopkeef@clarkson.edu](mailto:hopkeef@clarkson.edu)

STL Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468  
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## ANALYTICAL REPORT

PROJECT NO. 04870-025-200

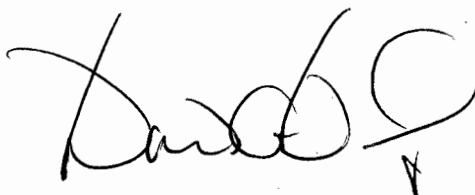
Retec-Mineral Springs

Lot #: C7H240336

Jim Edwards

The RETEC Group Inc

TESTAMERICA LABORATORIES, INC.



Dave Dunlap  
Project Manager

September 5, 2007

# Chain of Custody Record

Nº 0308

The RETEC Group, Inc.  
1001 W. Seneca Street, Suite 204 • Ithaca, NY 14850-3342  
(807) 277-5718 Phone • (807) 277-9057 Fax  
www.retec.com



Project Name: <u>Mineral Springs</u>		Project Number:	
Send Report To: <u>Mark Hofferbert</u>		Sampler (Print Name): <u>Jessell Lloyd</u>	
Address: <u>Above Address</u>		Sampler (Print Name): <u>Helen Jones</u>	
Shipment Method: <u>FedEx</u>		Purchase Order #:	
Airbill Number:		Comments, Special Instructions, etc.	
Laboratory Receiving: <u>STL Pittsburgh</u>		Lab Sample ID (to be completed by lab)	
Phone:		Analyst Requested: <u>8260A STELL</u>	
Fax:		Date: <u>8/22/07</u> Time: <u>1700</u>	
Field Sample ID	Sample Date	Sample Time	Sample Matrix
MW-7	8-21-07	1135	Ag
MW-10	↓	1310	↓
MW-17	↓	1725	↓
MW-13	8-22-07	0905	↓
TB-082207	↓	1500	↓
MW-19	8-21-07	1203	↓
MW-19D	↓	1208	↓
MW-11	↓	1323	↓
MW-23	↓	1549	↓
FB-082107	↓	1530	↓
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature) <u>[Signature]</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature) <u>[Signature]</u>	
Relinquished by: (Signature)		Received by: (Signature)	
Date: <u>8-22-07</u> Time: <u>1700</u>		Date: <u>08-24-07</u> Time: <u>1000</u>	
Date: <u>08-24-07</u> Time: <u>1000</u>		Date: <u>08-24-07</u> Time: <u>1000</u>	
Sample Custodian Remarks (Completed By Laboratory):		Sample Receipt	
Turnaround		Total # Containers Received?	
Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Other <input type="checkbox"/>		COC Seals Present?	
Routine <input type="checkbox"/> 24 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		COC Seals Intact?	
		Received Containers Intact?	
		Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QMOC Copy

The RETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Volatiles

Lot-Sample #....: C7H240336-001    Work Order #....: J5K5R1AA    Matrix.....: WG  
Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7241405  
Prep Date.....: 08/29/07    Analysis Date...: 08/30/07  
Prep Batch #....: 7241691  
Dilution Factor: 125    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	1900	120	ug/L
Ethylbenzene	2000	120	ug/L
Toluene	100 J	120	ug/L
Xylenes (total)	1100	380	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Toluene-d8	88	(71 - 118)
1,2-Dichloroethane-d4	111	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	106	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-001 Work Order #....: J5K5R1AC Matrix.....: WG  
 Date Sampled....: 08/21/07 Date Received...: 08/24/07 MS Run #.....:  
 Prep Date.....: 08/27/07 Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 4.75 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	130	48	ug/L
Acenaphthylene	ND	48	ug/L
Anthracene	3.0 J	48	ug/L
Benzo(a)anthracene	ND	48	ug/L
Benzo(b)fluoranthene	ND	48	ug/L
Benzo(k)fluoranthene	ND	48	ug/L
Benzo(ghi)perylene	ND	48	ug/L
Benzo(a)pyrene	ND	48	ug/L
Chrysene	ND	48	ug/L
Fluoranthene	ND	48	ug/L
Fluorene	25 J	48	ug/L
Indeno(1,2,3-cd)pyrene	ND	48	ug/L
2-Methylnaphthalene	230	48	ug/L
Naphthalene	2600 E	48	ug/L
Phenanthrene	25 J	48	ug/L
Pyrene	ND	48	ug/L
Dibenzo(a,h)anthracene	ND	48	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	39	(20 - 110)
2-Fluorobiphenyl	65	(34 - 97 )
2-Fluorophenol	58	(10 - 113)
Nitrobenzene-d5	56	(38 - 97 )
Phenol-d5	62	(18 - 116)
Terphenyl-d14	34	(31 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

The KETEC Group, Inc.

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-001      Work Order #....: J5K5R2AC      Matrix.....: WG  
 Date Sampled....: 08/21/07      Date Received...: 08/24/07      MS Run #.....:  
 Prep Date.....: 08/27/07      Analysis Date...: 08/31/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 23.75      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	140 J	240	ug/L
Acenaphthylene	ND	240	ug/L
Anthracene	ND	240	ug/L
Benzo(a)anthracene	ND	240	ug/L
Benzo(b)fluoranthene	ND	240	ug/L
Benzo(k)fluoranthene	ND	240	ug/L
Benzo(ghi)perylene	ND	240	ug/L
Benzo(a)pyrene	ND	240	ug/L
Chrysene	ND	240	ug/L
Fluoranthene	ND	240	ug/L
Fluorene	25 J	240	ug/L
Indeno(1,2,3-cd)pyrene	ND	240	ug/L
2-Methylnaphthalene	240	240	ug/L
Naphthalene	3100	240	ug/L
Phenanthrene	ND	240	ug/L
Pyrene	ND	240	ug/L
Dibenzo(a,h)anthracene	ND	240	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(20 - 110)
2-Fluorobiphenyl	NC,DIL	(34 - 97 )
2-Fluorophenol	NC,DIL	(10 - 113)
Nitrobenzene-d5	NC,DIL	(38 - 97 )
Phenol-d5	NC,DIL	(18 - 116)
Terphenyl-d14	NC,DIL	(31 - 121)

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 #....: C7H240336-002    Work Order #....: J5K5X1AA    Matrix.....: WG  
Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7241405  
Prep Date.....: 08/29/07    Analysis Date...: 08/30/07  
Prep Batch #....: 7241691  
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	1.3	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	0.66 J	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	86	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	92	(70 - 118)
Dibromofluoromethane	103	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-10

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-002      Work Order #....: J5K5X1AC      Matrix.....: WG  
 Date Sampled....: 08/21/07      Date Received...: 08/24/07      MS Run #.....:  
 Prep Date.....: 08/27/07      Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 0.95      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.5	ug/L
Acenaphthylene	ND	9.5	ug/L
Anthracene	ND	9.5	ug/L
Benzo (a) anthracene	ND	9.5	ug/L
Benzo (b) fluoranthene	ND	9.5	ug/L
Benzo (k) fluoranthene	ND	9.5	ug/L
Benzo (ghi) perylene	ND	9.5	ug/L
Benzo (a) pyrene	ND	9.5	ug/L
Chrysene	ND	9.5	ug/L
Fluoranthene	ND	9.5	ug/L
Fluorene	ND	9.5	ug/L
Indeno (1,2,3-cd) pyrene	ND	9.5	ug/L
2-Methylnaphthalene	ND	9.5	ug/L
Naphthalene	2.3 J	9.5	ug/L
Phenanthrene	ND	9.5	ug/L
Pyrene	ND	9.5	ug/L
Dibenzo (a,h) anthracene	ND	9.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	48	(20 - 110)
2-Fluorobiphenyl	70	(34 - 97 )
2-Fluorophenol	67	(10 - 113)
Nitrobenzene-d5	70	(38 - 97 )
Phenol-d5	73	(18 - 116)
Terphenyl-d14	64	(31 - 121)

**NOTE (S) :**

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-17

GC/MS Volatiles

Lot-Sample #....: C7H240336-003    Work Order #....: J5K541AA    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7242360  
 Prep Date.....: 08/30/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7242605  
 Dilution Factor: 1    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	1.1	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	0.63 J	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	93	(70 - 118)
Dibromofluoromethane	90	(64 - 128)

**NOTE(S):**

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-17

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-003    Work Order #....: J5K541AC    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....:  
 Prep Date.....: 08/27/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 0.95    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.5	ug/L
Acenaphthylene	ND	9.5	ug/L
Anthracene	ND	9.5	ug/L
Benzo(a)anthracene	ND	9.5	ug/L
Benzo(b)fluoranthene	ND	9.5	ug/L
Benzo(k)fluoranthene	ND	9.5	ug/L
Benzo(ghi)perylene	ND	9.5	ug/L
Benzo(a)pyrene	ND	9.5	ug/L
Chrysene	ND	9.5	ug/L
Fluoranthene	ND	9.5	ug/L
Fluorene	ND	9.5	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.5	ug/L
2-Methylnaphthalene	ND	9.5	ug/L
Naphthalene	ND	9.5	ug/L
Phenanthrene	ND	9.5	ug/L
Pyrene	ND	9.5	ug/L
Dibenzo(a,h)anthracene	ND	9.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	50	(20 - 110)
2-Fluorobiphenyl	79	(34 - 97 )
2-Fluorophenol	73	(10 - 113)
Nitrobenzene-d5	80	(38 - 97 )
Phenol-d5	80	(18 - 116)
Terphenyl-d14	64	(31 - 121)

The RETEC Group, Inc.

Client Sample ID: MW-13

GC/MS Volatiles

Lot-Sample #....: C7H240336-004    Work Order #....: J5K561AA    Matrix.....: WG  
 Date Sampled....: 08/22/07    Date Received...: 08/24/07    MS Run #.....: 7241405  
 Prep Date.....: 08/29/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7241691  
 Dilution Factor: 1    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	2.1	1.0	ug/L
Ethylbenzene	0.38 J	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	120	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	117	(64 - 128)

**NOTE(S):**

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-13

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-004    Work Order #....: J5K561AC    Matrix.....: WG  
 Date Sampled....: 08/22/07    Date Received...: 08/24/07    MS Run #.....:  
 Prep Date.....: 08/27/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 0.95    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.5	ug/L
Acenaphthylene	ND	9.5	ug/L
Anthracene	ND	9.5	ug/L
Benzo(a)anthracene	ND	9.5	ug/L
Benzo(b)fluoranthene	ND	9.5	ug/L
Benzo(k)fluoranthene	ND	9.5	ug/L
Benzo(ghi)perylene	ND	9.5	ug/L
Benzo(a)pyrene	ND	9.5	ug/L
Chrysene	ND	9.5	ug/L
Fluoranthene	ND	9.5	ug/L
Fluorene	ND	9.5	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.5	ug/L
2-Methylnaphthalene	ND	9.5	ug/L
Naphthalene	0.88 J	9.5	ug/L
Phenanthrene	ND	9.5	ug/L
Pyrene	ND	9.5	ug/L
Dibenzo(a,h)anthracene	ND	9.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	55	(20 - 110)
2-Fluorobiphenyl	81	(34 - 97 )
2-Fluorophenol	78	(10 - 113)
Nitrobenzene-d5	81	(38 - 97 )
Phenol-d5	81	(18 - 116)
Terphenyl-d14	66	(31 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: TB-082207

GC/MS Volatiles

Lot-Sample #....: C7H240336-005    Work Order #....: J5K571AA    Matrix.....: WQ  
 Date Sampled....: 08/22/07    Date Received...: 08/24/07    MS Run #.....: 7241405  
 Prep Date.....: 08/29/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7241691  
 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	86	(71 - 118)
1,2-Dichloroethane-d4	124	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	118	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-19

GC/MS Volatiles

Lot-Sample #....: C7H240336-006    Work Order #....: J5K581AA    Matrix.....: WG  
Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7241405  
Prep Date.....: 08/29/07    Analysis Date...: 08/30/07  
Prep Batch #....: 7241691  
Dilution Factor: 250    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	4500	250	ug/L
Ethylbenzene	100 J	250	ug/L
Toluene	ND	250	ug/L
Xylenes (total)	470 J	750	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Toluene-d8	74	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	85	(70 - 118)
Dibromofluoromethane	95	(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 #....: C7H240336-006      Work Order #....: J5K581AC      Matrix.....: WG  
 Date Sampled....: 08/21/07      Date Received...: 08/24/07      MS Run #.....:  
 Prep Date.....: 08/27/07      Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 5.25      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	52	ug/L
Acenaphthylene	ND	52	ug/L
Anthracene	ND	52	ug/L
Benzo(a)anthracene	ND	52	ug/L
Benzo(b)fluoranthene	ND	52	ug/L
Benzo(k)fluoranthene	ND	52	ug/L
Benzo(ghi)perylene	ND	52	ug/L
Benzo(a)pyrene	ND	52	ug/L
Chrysene	ND	52	ug/L
Fluoranthene	ND	52	ug/L
Fluorene	ND	52	ug/L
Indeno(1,2,3-cd)pyrene	ND	52	ug/L
2-Methylnaphthalene	5.5 J	52	ug/L
Naphthalene	3600 E	52	ug/L
Phenanthrene	ND	52	ug/L
Pyrene	ND	52	ug/L
Dibenzo(a,h)anthracene	ND	52	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	46	(20 - 110)
2-Fluorobiphenyl	77	(34 - 97 )
2-Fluorophenol	67	(10 - 113)
Nitrobenzene-d5	76	(38 - 97 )
Phenol-d5	73	(18 - 116)
Terphenyl-d14	34	(31 - 121)

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 #....: C7H240336-006      Work Order #....: J5K582AC      Matrix.....: WG  
 Date Sampled....: 08/21/07      Date Received...: 08/24/07      MS Run #.....:  
 Prep Date.....: 08/27/07      Analysis Date...: 08/31/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 26.25      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	260	ug/L
Acenaphthylene	ND	260	ug/L
Anthracene	ND	260	ug/L
Benzo(a)anthracene	ND	260	ug/L
Benzo(b)fluoranthene	ND	260	ug/L
Benzo(k)fluoranthene	ND	260	ug/L
Benzo(ghi)perylene	ND	260	ug/L
Benzo(a)pyrene	ND	260	ug/L
Chrysene	ND	260	ug/L
Fluoranthene	ND	260	ug/L
Fluorene	ND	260	ug/L
Indeno(1,2,3-cd)pyrene	ND	260	ug/L
2-Methylnaphthalene	ND	260	ug/L
Naphthalene	4600	260	ug/L
Phenanthrene	ND	260	ug/L
Pyrene	ND	260	ug/L
Dibenzo(a,h)anthracene	ND	260	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(20 - 110)
2-Fluorobiphenyl	NC,DIL	(34 - 97 )
2-Fluorophenol	NC,DIL	(10 - 113)
Nitrobenzene-d5	NC,DIL	(38 - 97 )
Phenol-d5	NC,DIL	(18 - 116)
Terphenyl-d14	NC,DIL	(31 - 121)

**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: MW-190

GC/MS Volatiles

Lot-Sample #....: C7H240336-007    Work Order #....: J5K6A1AA    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7242360  
 Prep Date.....: 08/30/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7242605  
 Dilution Factor: 250    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	7500	250	ug/L
Ethylbenzene	1200	250	ug/L
Toluene	630	250	ug/L
Xylenes (total)	990	750	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	94	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: MW-190

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-007    Work Order #....: J5K6A1AC    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....:  
 Prep Date.....: 08/27/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 5.05    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	50	ug/L
Acenaphthylene	ND	50	ug/L
Anthracene	ND	50	ug/L
Benzo(a)anthracene	ND	50	ug/L
Benzo(b)fluoranthene	ND	50	ug/L
Benzo(k)fluoranthene	ND	50	ug/L
Benzo(ghi)perylene	ND	50	ug/L
Benzo(a)pyrene	ND	50	ug/L
Chrysene	ND	50	ug/L
Fluoranthene	ND	50	ug/L
Fluorene	ND	50	ug/L
Indeno(1,2,3-cd)pyrene	ND	50	ug/L
2-Methylnaphthalene	5.4 J	50	ug/L
Naphthalene	3500 E	50	ug/L
Phenanthrene	ND	50	ug/L
Pyrene	ND	50	ug/L
Dibenzo(a,h)anthracene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	46	(20 - 110)
2-Fluorobiphenyl	80	(34 - 97 )
2-Fluorophenol	69	(10 - 113)
Nitrobenzene-d5	76	(38 - 97 )
Phenol-d5	75	(18 - 116)
Terphenyl-d14	42	(31 - 121)

**NOTE(S):**

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

The KETEC Group, Inc.

Client Sample ID: MW-190

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-007    Work Order #....: J5K6A2AC    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....:  
 Prep Date.....: 08/27/07    Analysis Date...: 08/31/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 25.25    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	250	ug/L
Acenaphthylene	ND	250	ug/L
Anthracene	ND	250	ug/L
Benzo (a) anthracene	ND	250	ug/L
Benzo (b) fluoranthene	ND	250	ug/L
Benzo (k) fluoranthene	ND	250	ug/L
Benzo (ghi) perylene	ND	250	ug/L
Benzo (a) pyrene	ND	250	ug/L
Chrysene	ND	250	ug/L
Fluoranthene	ND	250	ug/L
Fluorene	ND	250	ug/L
Indeno (1,2,3-cd) pyrene	ND	250	ug/L
2-Methylnaphthalene	ND	250	ug/L
Naphthalene	4900	250	ug/L
Phenanthrene	ND	250	ug/L
Pyrene	ND	250	ug/L
Dibenzo (a,h) anthracene	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC, DIL	(20 - 110)
2-Fluorobiphenyl	NC, DIL	(34 - 97 )
2-Fluorophenol	NC, DIL	(10 - 113)
Nitrobenzene-d5	NC, DIL	(38 - 97 )
Phenol-d5	NC, DIL	(18 - 116)
Terphenyl-d14	NC, DIL	(31 - 121)

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 RTEC Group, Inc.

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #....: C7H240336-008    Work Order #....: J5K6E1AA    Matrix.....: WG  
Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7242360  
Prep Date.....: 08/30/07    Analysis Date...: 08/30/07  
Prep Batch #....: 7242605  
Dilution Factor: 10    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	180	10	ug/L
Ethylbenzene	5.5 J	10	ug/L
Toluene	ND	10	ug/L
Xylenes (total)	29 J	30	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-11

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-008      Work Order #....: J5K6E1AC      Matrix.....: WG  
 Date Sampled....: 08/21/07      Date Received...: 08/24/07      MS Run #.....:  
 Prep Date.....: 08/27/07      Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 1.06      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	2.7 J	11	ug/L
Acenaphthylene	0.93 J	11	ug/L
Anthracene	ND	11	ug/L
Benzo (a) anthracene	ND	11	ug/L
Benzo (b) fluoranthene	ND	11	ug/L
Benzo (k) fluoranthene	ND	11	ug/L
Benzo (ghi) perylene	ND	11	ug/L
Benzo (a) pyrene	ND	11	ug/L
Chrysene	ND	11	ug/L
Fluoranthene	0.57 J	11	ug/L
Fluorene	ND	11	ug/L
Indeno (1,2,3-cd) pyrene	ND	11	ug/L
2-Methylnaphthalene	ND	11	ug/L
Naphthalene	ND	11	ug/L
Phenanthrene	0.79 J	11	ug/L
Pyrene	1.2 J	11	ug/L
Dibenzo (a,h) anthracene	ND	11	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	57	(20 - 110)
2-Fluorobiphenyl	80	(34 - 97 )
2-Fluorophenol	78	(10 - 113)
Nitrobenzene-d5	82	(38 - 97 )
Phenol-d5	84	(18 - 116)
Terphenyl-d14	71	(31 - 121)

NOTE (S) :

J Estimated result. Result is less than RL.

The RETEC Group, Inc.

Client Sample ID: MW-23

GC/MS Volatiles

Lot-Sample #....: C7H240336-009    Work Order #....: J5K6F1AA    Matrix.....: WG  
Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7242360  
Prep Date.....: 08/30/07    Analysis Date...: 08/30/07  
Prep Batch #....: 7242605  
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</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	105	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	96	(64 - 128)



The RTEC Group, Inc.

Client Sample ID: MW-23

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-009    Work Order #....: J5K6F1AC    Matrix.....: WG  
 Date Sampled....: 08/21/07    Date Received...: 08/24/07    MS Run #.....:  
 Prep Date.....: 08/27/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7239293  
 Dilution Factor: 1.12    Method.....: SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	48	(20 - 110)
2-Fluorobiphenyl	68	(34 - 97 )
2-Fluorophenol	69	(10 - 113)
Nitrobenzene-d5	71	(38 - 97 )
Phenol-d5	74	(18 - 116)
Terphenyl-d14	74	(31 - 121)

The RETEC Group, Inc.

Client Sample ID: EB-082107

GC/MS Volatiles

Lot-Sample #....: C7H240336-010    Work Order #....: J5K6G1AA    Matrix.....: WQ  
 Date Sampled...: 08/21/07    Date Received...: 08/24/07    MS Run #.....: 7242360  
 Prep Date.....: 08/30/07    Analysis Date...: 08/30/07  
 Prep Batch #....: 7242605  
 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	102	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	96	(64 - 128)

The RETEC Group, Inc.

Client Sample ID: RB-082107

GC/MS Semivolatiles

Lot-Sample #....: C7H240336-010	Work Order #....: J5K6G1AC	Matrix.....: WQ
Date Sampled....: 08/21/07	Date Received...: 08/24/07	MS Run #.....:
Prep Date.....: 08/27/07	Analysis Date...: 08/30/07	
Prep Batch #....: 7239293		
Dilution Factor: 0.98	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.8	ug/L
Acenaphthylene	ND	9.8	ug/L
Anthracene	ND	9.8	ug/L
Benzo(a)anthracene	ND	9.8	ug/L
Benzo(b)fluoranthene	ND	9.8	ug/L
Benzo(k)fluoranthene	ND	9.8	ug/L
Benzo(ghi)perylene	ND	9.8	ug/L
Benzo(a)pyrene	ND	9.8	ug/L
Chrysene	ND	9.8	ug/L
Fluoranthene	ND	9.8	ug/L
Fluorene	ND	9.8	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.8	ug/L
2-Methylnaphthalene	ND	9.8	ug/L
Naphthalene	ND	9.8	ug/L
Phenanthrene	ND	9.8	ug/L
Pyrene	ND	9.8	ug/L
Dibenzo(a,h)anthracene	ND	9.8	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	46	(20 - 110)
2-Fluorobiphenyl	75	(34 - 97 )
2-Fluorophenol	72	(10 - 113)
Nitrobenzene-d5	73	(38 - 97 )
Phenol-d5	77	(18 - 116)
Terphenyl-d14	83	(31 - 121)