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June 22, 2010

Mr. Bo Quick
Southwire Company
One Southwire Drive
Carrollton, Georgia 30119

**Subject: Report of Limited Phase II Environmental Site Assessment
Project Yankee
100 Bradley Parkway
Blauvelt, New York
MACTEC Project No. 6123100134**

Dear Mr. Quick:

MACTEC Engineering and Consulting, Inc. (MACTEC) is pleased to submit two copies of this Report of a Limited Phase II Environmental Site Assessment for the above-referenced site. The purpose of our services was to provide an environmental baseline based on sampling of soil and groundwater at the site.

This report is intended for the use of Southwire, subject to contractual terms of the Professional Services Agreement and subsequent addenda. Reliance on this document by any other party is prohibited without the expressed, written consent of MACTEC. This report, including its findings, opinions, and conclusions, is intended for the exclusive use and benefit of, and may be relied upon only by, Southwire and for the project described in MACTEC's proposal.

This report presents project information, which includes procedures and limitations, along with our findings and conclusions. We appreciate your selection of MACTEC for this project and look forward to assisting you further on this and other projects. If you have any questions, please do not hesitate to contact us.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

A handwritten signature in blue ink, appearing to read "Scott Keesling".

Scott Keesling
Project Manager

A handwritten signature in blue ink, appearing to read "David E. Smoak".

David E. Smoak
Principal Geologist

Enclosure (2)

DES/dp

**REPORT OF LIMITED PHASE II ENVIRONMENTAL
SITE ASSESSMENT**

**Project Yankee
100 Bradley Parkway
Blauvelt, New York**

PREPARED FOR:



**Southwire Company
One Southwire Drive
Carrollton, Georgia**

PREPARED BY:



**MACTEC ENGINEERING AND CONSULTING, INC.
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June 22, 2010

MACTEC PROJECT: 6123100134

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1.0 INTRODUCTION AND BACKGROUND

MACTEC Engineering and Consulting, Inc. (MACTEC) was retained by Southwire Company (Southwire) to perform a limited Phase II Environmental Site Assessment (ESA) at the Tappan Wire & Cable, Inc. (Tappan) property located at 100 Bradley Parkway, Blauvelt, New York (Figure 1). Blauvelt is a hamlet located within the Town of Orangetown, New York.

Tax records indicate the property is currently owned by the County of Rockland Industrial Development Agency, and Tappan currently leases the Site operations from Mr. David Gussack. The facility is currently in operation as a Tappan Wire & Cable manufacturing and stocking facility. One 200,000 square foot rectangular building is located at the 9.37-acre Site parcel. The Site structure was constructed in 1983, with an addition added in 2001/2002. Prior to 1983, the area of the Site was undeveloped and wooded.

The Limited Phase II ESA is intended provide a baseline of environmental conditions and to target those areas of concern identified during a MACTEC Phase I dated May 7, 2010. The assessment was conducted to investigate the potential for releases and subsurface impacts associated with historic operations, including: the former UST and floor drain, catch basin, former industrial operations at the Site, vehicle maintenance, stormwater, three existing groundwater monitoring wells, and historical recognized environmental conditions associated with abutting properties.

One documented release, originating within one-quarter mile upgradient at the former Xerox facility, had reportedly impacted groundwater near the Site Vicinity, predominantly to the south and east. Remedial activities have been ongoing since the mid 1990's.

A limited Phase II environmental site assessment (ESA) was completed at the property from May 11 to 25, 2010. MACTEC advanced 10 soil borings at locations B-1 through B-10 for the collection of soil and groundwater samples as part of the limited Phase II ESA to evaluate potential release impacts in the areas of concern identified during the walkthrough inspection referenced above or areas selected for baseline sampling conditions. Additionally, 2 surficial soil samples were collected near the stormwater outfall using hand tools at locations S-1 and S-2, and existing Site groundwater monitoring well MW-OS-13R was sampled. Two additional existing monitoring wells OS-14 and OS-14R were intended to be sampled but could not be due to repaving which obstructed access to the well heads. The existing monitoring wells, soil boring and surficial soil sampling locations are shown

on Figure 2. The scope of the limited Phase II ESA was not intended as a comprehensive evaluation of all possible conditions existing at the site or to address delineation of detected constituents. The analytical results from the samples collected during this investigation were compared to U.S. Environmental Protection Agency (USEPA) Maximum Contaminant Levels (MCLs), New York State Department of Environmental Conservation (DEC) Water Quality Standards for Groundwater, and New York Soil Cleanup Objective (SCOs).

The results of the May 2010 limited Phase II ESA indicated the following:

- Based on the depth at which soil samples were collected, samples from S-1, S-2, and B-1 through B-10 were analyzed for total metals, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs), and the results compared to New York Soil Cleanup Objective (SCOs). Reported concentrations of certain metals (cadmium, copper, lead, and zinc) and/or SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) exceeded unrestricted use SCOs at six sample locations (S-1, S-2, B-2, B-4, B-5 and B-10). Of these six locations, three sample locations (S-1, S-2 and B-10) exhibited concentrations of SVOCs exceeding the highest applicable restricted use SCO. Location B-10 also exhibited a metals concentration (cadmium) which exceeded the highest applicable restricted use SCO.
- Groundwater samples collected from 10 boring locations (B-1 through B-10) and from existing monitoring well MW-OS-13R were analyzed for total and dissolved metals, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs), and the results compared to MCLs and DEC standards for groundwater. Groundwater analytical results above the New York criteria and/or MCLs were reported at all of the sampling locations except B-3. The constituents that exceeded criteria were total metals (arsenic, chromium, lead and mercury), benzene, bis(2-ethylhexyl)phthalate, chloroform, and toluene. It is noted that in every instance where a total metals concentration exceeded an applicable standard, the corresponding dissolved metals concentration was found to not exhibit an exceedance of the criteria. At six of the 10 boring locations (B-1, B-2, B-6, B-8, B-9 and B-10) exceedance for the chloroform detected may potentially be due to the use of chlorinated potable water during drilling. The remaining exceedances were benzene and toluene at location B-4, benzene only at location B-5, and bis(2-ethylhexyl)phthalate at B-2, B-7, B-8 and B-9.

2.0 SOIL AND GROUNDWATER ASSESSMENT

The scope of work for the subsurface investigation consisted of the sampling of one existing monitoring well (MW-OS-13R), collection of surficial soil samples at two locations (S-1 and S-2), and the completion of ten soil borings (B-1 through B-10) in order to collect groundwater and soil samples at the locations shown in Figure 2. Twenty-four (24) soil and 11 groundwater samples were collected for laboratory analysis.

The field work was conducted from May 11 through May 25, 2010. Samples were collected, stored on ice, and submitted under chain of custody to TestAmerica Laboratories, Inc. of Amherst, New York for analysis for total metals, dissolved metals (groundwater only), VOCs, SVOCs, and percent solids (soil only).

2.1 SOIL BORINGS

Direct push technology (DPT), hollow-stem auger and rotasonic methods were used by Aquifer Drilling & Testing, Inc. (ADT) to perform soil borings, and collect soil samples. Initial boring B-1 was performed using both DPT and rotasonic, while B-2 was advanced using DPT, hollow-stem augers and rotasonic. Due to the difficult drilling conditions (refusal due to cobbles and boulders) encountered at B-1 and B-2, all of the other soil borings (B-3 through B-10) were performed by ADT using rotasonic methods. Table 2.1 summarizes the soil sample depth information at the 10 boring locations. Additionally, surficial soil samples were collected from the stormwater outfall on the northwest side of the site at sample locations S-1 and S-1. Information on these locations is also shown on Table 2.1.

Upon advancing to total depth in borings B-1 through B-10, temporary groundwater monitoring wells were installed in each boring through the rotasonic drill casing, and the casing was withdrawn. The temporary monitoring wells were constructed of nominal 1-inch diameter PVC well screen and riser in accordance with industry standard procedures and specifications. Table 2.2 summarizes the temporary monitoring well screened intervals below ground surface (bgs) at the 10 boring locations. Table 2.3 (below) summarizes addition information for the soil boring locations.

Table 2.3 May 2010 Sample Locations Information

Sample Location	Approximate Depth of Boring (feet bgs)	Approximate Depth to Groundwater (feet bgs)	Rationale	Sample Types
B-1	30	21	Background, perimeter southeast corner assessment	SO, GW
B-2	30	23	Perimeter east side assessment	SO, GW
B-3	34	24	Perimeter northeast side assessment, Xerox plume confirmation (overburden zone)	SO, GW
B-4	35	27	Perimeter north side assessment	SO, GW
B-5	35	26	Perimeter northwest assessment in vicinity of stormwater outfall, Xerox plume confirmation (overburden zone)	SO, GW
B-6	35	25	Perimeter west side assessment, Xerox plume confirmation (overburden zone)	SO, GW
B-7	35	22	Assess catchment basin/floor drain impacts near copper storage/ramp area (outdoor sample adjacent to building)	SO, GW
B-8	28	18	Assess former UST floor drain impacts (outdoor sample adjacent to building)	SO, GW
B-9	29	21	Perimeter assessment, Xerox plume confirmation (overburden zone), and former UST vicinity assessment	SO, GW
B-10	30	22	Perimeter and upgradient side of original building	SO, GW

bgs = below ground surface GW = groundwater SO = soil

Industry standard field operating procedures (i.e. decontamination) were completed to prevent cross-contamination and to ensure sample integrity. The soil boring and monitoring well information is included in Appendix A.

Based on field observations, the soil types observed beneath the site consisted of silts and sands with trace clay and fine to coarse gravel, cobbles and boulders. Groundwater was encountered at a depth ranging from approximately 18 to 27 feet bgs. After sampling of the temporary monitoring wells was completed, the temporary well casings were removed and the soil borings were backfilled with bentonite and covered to match surface conditions (asphalt or concrete).

2.2 SOIL SAMPLING AND ANALYSES

24 soil samples were submitted for lab analysis; one sample each from S-1 and S-2, three samples each from B-1 and B-2, and two each from soil borings B-3 through B-10. Figure 2 depicts the sample locations.

The soil samples were stored on ice and submitted under chain of custody to TestAmerica for analysis of VOCs, SVOCs, metals and percent solids. The soil laboratory analytical report for the May 2010 Phase II ESA is included as Appendix B.

2.3 GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from existing monitoring well MW-OS-13R and from temporary wells B-1 through B-10. Figure 2 depicts the groundwater sampling locations. The water table was encountered at depth ranging from approximately 18-27 feet bgs. For groundwater sampling from borings, a temporary well screen was installed into the borehole and a disposable bailer was used to purge the temporary monitoring well and to collect groundwater samples. Groundwater purging and sampling at existing monitoring well MW-OS-13R was also performed using a disposable bailer.

Industry standard field operating procedures (i.e. decontamination) were completed to prevent cross-contamination and to ensure sample integrity. The groundwater samples were stored on ice and submitted under chain of custody to TestAmerica for analysis of VOCs, SVOCs, and metals. The groundwater laboratory analytical reports for the May 2010 Phase II ESA are included as Appendix A.

3.0 SOIL AND GROUNDWATER ANALYTICAL RESULTS

The soil and groundwater laboratory complete analytical reports for the May 2010 Phase II ESA are included as Appendix A. The analytical constituents detected in soil are summarized in Table 2.1. Sample matrix interference due to high viscosity resulted in sample dilution and highly elevated reporting and method detection limits for SVOCs in surficial soil samples at the stormwater drainage outfall location S-1 and S-2, and location B-10. The laboratory subsequently ran a specialized cleanup method known as gel permeation clean-up (GPC) procedure so that the identified constituents could be confirmed at accurate (non-estimated) quantified concentrations above the method detection and reporting limits. The GPC results for these samples are included in Table 2.1. The analytical constituents detected in groundwater are summarized in Table 2.2. The distribution of detected constituents in soil and groundwater are shown on Figures 3 and 4, respectively.

3.1 SOIL ANALYTICAL RESULTS

3.1.1 May 2010 Sampling Event

The summarized laboratory results for VOCs, SVOCs and metals in soil samples collected at the property were compared to the New York Department of Environmental Conservation Soil Cleanup Objectives (SCOs) (Table 2.1). Three categories of the SCOs are provided including: 1) unrestricted use (residential or any other use without restrictions), 2) restricted use – industrial; and, 3) restricted use for protection of groundwater. To maintain a conservative and relevant comparison with detected soil concentration, the highest applicable use SCO was considered to be the lower of the restricted industrial or the restricted use for protection to groundwater. Reported concentrations of certain metals (cadmium, copper, lead, and zinc) and/or SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) exceeded unrestricted use SCOs at six sample locations (S-1, S-2, B-2, B-4, B-5 and B-10). Of these six locations, three sample locations (S-1, S-2 and B-10) exhibited concentrations of SVOCs exceeding the highest applicable restricted use SCO. Location B-10 also exhibited a metals concentration (cadmium) which exceeded the highest applicable restricted use SCO. The soil analytical results above either the unrestricted or restricted SCOs are summarized below:

- S-1 (Surface) copper (69.6 mg/kg)

	lead (108 mg/kg)
	zinc (169 mg/kg)
	benzo(a)anthracene (13,000 µg/kg)
	benzo(a)pyrene mg/kg) (16,000 µg/kg)
	benzo(b)fluoranthene (25,000 µg/kg)
	benzo(k)fluoranthene (7,100 µg/kg)
	chrysene mg/kg) (16,000 µg/kg)
	dibenzo(a,h)anthracene (4,700 µg/kg)
	indeno(1,2,3)pyrene (13,000 µg/kg)
• S-2 (Surface)	benzo(a)anthracene (2,300 µg/kg)
	benzo(a)pyrene mg/kg) (5,100 µg/kg)
	benzo(b)fluoranthene (10,000 µg/kg)
	benzo(k)fluoranthene (2,400 µg/kg)
	chrysene (5,600 µg/kg)
	dibenzo(a,h)anthracene (1,400 µg/kg)
	indeno(1,2,3)pyrene (5,800 µg/kg)
• B-2 (0-1' bgs)	copper (50.2 mg/kg)
• B-4 (11-12' bgs)	copper (84.5 mg/kg)
• B-5 (0-5' bgs)	copper (119 mg/kg)
• B-10 (0-1' bgs)	cadmium (12.0 mg/kg)
	Benzo(a)pyrene (1,100 µg/kg)
	benzo(b)fluoranthene (1,400 µg/kg)
	chrysene (1,200 µg/kg)
	indeno(1,2,3)pyrene (750 µg/kg)

The other metals, VOCs and SVOCs detected were at concentrations below soil SCOs. Acetone and/or methylene chloride, common laboratory artifacts, were detected in soil samples collected from borings B-1 through B-10. Further evidence of methylene chloride detection being a laboratory artifact is indicated by it's detection in the laboratory method blank.

3.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples collected during the May 2010 Phase II ESA at the property contained detectable concentrations of total and dissolved metals, VOCs, and SVOCs. The constituents

detected in the groundwater samples are summarized in Table 2.2. The laboratory results for the VOCs, SVOCs and total and dissolved metals in the groundwater samples were compared to the USEPA Maximum Contaminant Levels (MCLs) and to New York Department of Environmental Conservation Water Quality Standards for Groundwater (Table 2.2). Groundwater sampling analytical results above the New York criteria and/or USEPA MCLs were reported at all of the sampling locations except B-3. However, the detected levels of chloroform, ranging from 7.3 µg/L to 31 µg/L at B-1, B-2, B-6, B-8, B-9 and B-10, are suspected to be artifacts from the potable water used during roto sonic drilling. The groundwater analytical results above New York criteria or MCLs, excluding chloroform, are summarized below:

- MW-OS-13R Total chromium (0.0523 mg/L) exceeded the New York standard of 0.05 mg/L. The dissolved sample result was below the reporting limit.
- B-4 Benzene (7.9 µg/L) exceeded the New York standard of 1 µg/L and MCL of 5 µg/L. Toluene (6.5 µg/L) exceeded New York standard of 5 µg/L.
- B-5 Lead (0.0155 mg/L) exceeded the MCL (treatment technique) of 0.015 mg/L). The dissolved lead sample result was below the reporting limit. Benzene (1.7 µg/L) exceeded New York standard of 1 µg/L.
- B-7 Total arsenic (0.0174 mg/L) exceeded the MCL of 0.010 mg/L. Arsenic was not reported in the dissolved sample. Bis(2-ethylhexyl)phthalate (5.5 µg/L) exceeded the New York standard of 5 µg/L.
- B-8 Arsenic (0.0142 mg/L) exceeded the MCL of 0.010 mg/L. Lead (0.0264 mg/L) exceeded the MCL (treatment technique) of 0.015 mg/L), and the New York standard of 0.025 mg/L. Mercury (0.0008 mg/L) exceeded the New York standard of 0.0007 mg/L. No metals constituents exceeded criteria in the dissolved sample. Bis(2-ethylhexyl)phthalate (7.1 µg/L) exceeded the New York standard of 5 µg/L and MCL of 6 µg/L.

- B-9 Bis(2-ethylhexyl)phthalate (77 µg/L) exceeded the New York standard of 5 µg/L and MCL of 6 µg/L.

The other detected metals, VOCs and SVOCs were at concentrations below the New York criteria and/or USEPA MCLs.

4.0 CONCLUSIONS

Based on field observations, the soil types observed beneath the site are typical of glacial till and consisted of silts and sands with trace clay and fine to coarse gravel, numerous cobbles and boulders. Groundwater was encountered at a depth ranging from approximately 18 to 27 feet bgs. Based on data available from other sources,

Based on field observations and laboratory results, the following conclusions may be ascertained:

- All metal detections in soil were below New York industrial restricted use SCOs. The cadmium detection at B-10 was the only metal above New York restricted use protection of groundwater SCO. Copper, lead, and zinc were above New York unrestricted use SCOs at S-1. Locations B-2, B-4, and B-5 had detections of copper also above the New York unrestricted use SCO.
- SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) in soil were detected above New York SCOs from surficial soil samples at the stormwater drainage outfall location S-1 and S-2. Four SVOC's (benzo(a)pyrene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene) were detected in surficial soil from B-10 above the New York SCOs. These results were initially estimated by the laboratory due to sample viscosity interference, but subsequently confirmed and accurately quantified using the gel permeation cleanup method. The detections of these SVOCs at S-1 and S-2 indicate impacts (possibly asphaltic and fuel related) from parking lot runoff to the stormwater outfall and ditch area.
- Acetone and methylene chloride, common laboratory artifacts that may not be representative of historical operations at the property, were detected in soil at several locations. Further, methylene chloride was detected in the laboratory method blank. The reported concentrations were below New York state criteria and USEPA MCLs and are not considered a concern.
- Groundwater analytical results above the New York criteria and/or MCLs were reported at all of the sampling locations except B-3. The constituents that exceeded criteria were total metals (arsenic, chromium, lead and mercury), benzene, bis(2-ethylhexyl)phthalate, chloroform, and toluene. It is noted that in every instance where a total metals concentration

exceeded an applicable standard, the corresponding dissolved metals concentration was found to not exhibit an exceedance of the criteria. This indicates that the total metals results were likely biased by high turbidity in the temporary wells. At six of the 10 boring locations (B-1, B-2, B-6, B-8, B-9 and B-10) the only exceedance was for chloroform, potentially due to the use of chlorinated potable water during rotasonic drilling. The remaining exceedances were benzene and toluene at location B-4, benzene only at location B-5, and bis(2-ethylhexyl)phthalate at B-2, B-7, B-8 and B-9.

- The pattern of detected bis(2-ethylhexyl)phthalate at B-7, B-8, and B-9 in the vicinity of the former UST and former floor drain located at the southwest corner of the facility could represent a potential release.
- MACTEC reviewed regulations and conferred with the New York DEC personnel, without identifying the site, to confirm that the analytical detections do not constitute a notification requirement based on the fact that there was no identifiable release or associated permitted activity. The primary potential environmental liability based on these results would be from a land owner/third party/future use perspective. Additionally, the site was identified as a "P" site (Potential Hazardous Waste Disposal Site) by NYSDEC based upon data submitted approximately thirteen years ago by Xerox. Based on conversations with NYSDEC personnel in June 2010, a site investigation is being planned and will be conducted to determine if further action is necessary.

5.0 LIMITATIONS

This report is covered by the limitations set out below and it is for the exclusive use of Southwire. No other use of this report in whole or in part except as directed by legal jurisdiction, is allowed without written approval of Southwire and MACTEC. Use by any unauthorized parties is at the sole risk of the user.

The findings and opinions presented are relative to the dates and the limited scope of our site work and should not be relied on to represent conditions at substantially later dates or beyond the limitations of the approved investigation. The opinions included herein are based on our experience and information obtained during the study. If additional information becomes available which might impact our environmental findings, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions, if warranted.

TABLES

TABLE 2.1 SUMMARY OF MAY 2010 DETECTED CONSTITUENTS IN SOIL Project Yankee, New York										
Sample Type Sample Identification Depth Range (feet) Sample Date:	New York Unrestricted Use Soil Cleanup Objectives	New York Restricted Use (Industrial) Soil Cleanup Objectives	New York Restricted Use (Protection of Groundwater) Soil Cleanup Objectives	Normal S-1 Surface 5/12/2010	Gel Permeation Cleanup S-1	Normal S-2 Surface 5/12/2010	Gel Permeation Cleanup S-2	Normal B-1 Surface 5/12/2010	Normal B-1 0-5' 5/12/2010	Normal B-1 19-20' 5/19/2010
<u>Metals - SW846 6010B (Total), mg/kg</u>										
ARSENIC	13	16	16	<3.1	--	<4.3	--	3.1	--	3.2
BARIUM	350	10,000	820	48.2	--	43.8	--	55.8	--	89.2
CADMIUM	2.5	60	7.5	0.332	--	<0.426	--	<0.261	--	<0.234
CHROMIUM	1 / 30 (a)	800 / 6,800 (a)	19 / NS (a)	21.7	--	17.4	--	11.0	--	17.0
COPPER	50	10,000	1,720	69.6	--	36.4	--	13.4	--	2.5
LEAD	63	3,900	450	108	--	58.2	--	45.1	--	3.9
NICKEL	30	10,000	130	15.2	--	12.6	--	11.4	--	18.3
ZINC	109	10,000	2,480	169	--	76.5	--	50.8	--	54.0
MERCURY	0.18	5.7	0.73	0.0942	--	0.0896	--	0.0575	--	<0.0227
<u>Volatile Organic Compounds - SW846 8260B, ug/kg</u>										
1,2,4-TRICHLOROBENZENE	NA	NA	NA	7.8J	--	8.3J	--	--	2.9J	<4.7
2-BUTANONE	120	1,000,000	120	<45	--	<58	--	--	<25	<24
ACETONE	50	1,000,000	50	<45	--	<58	--	--	10J	4.6J
CHLOROBENZENE	1,100	1,000,000	1,100	5.1J	--	5.6J	--	--	<4.9	<4.7
CYCLOHEXANE	NA	NA	NA	<9.1	--	<12	--	--	<4.9	<4.7
METHYLENE CHLORIDE	50	1,000,000	50	<9.1	--	<12	--	--	<4.9	5.7B
<u>Volatile Organic Compounds - SW846 8021B, ug/kg</u>										
1,2,4-TRIMETHYLBENZENE	3,600	380,000	3,600	--	--	--	--	--	--	--
NAPHTHALENE	12,000	1,000,000	12,000	--	--	--	--	--	--	--
TOLUENE	700	1,000,000	700	--	--	--	--	--	--	--
<u>Semivolatile Organic Compounds - SW846 8270C, ug/kg</u>										
2-CHLOROPHENOL	NA	NA	NA	<27,000	37J*	<7,400	42J*	--	<180	<190
2-METHYLNAPHTHALENE	NA	NA	NA	<27,000	80J*	<7,400	38J*	--	<180	<190
2-METHYLPHENOL	NA	NA	NA	<27,000	28J*	<7,400	<740	--	<180	<190
ACENAPHTHENE	20,000	1,000,000	98,000	<27,000	730	<7,400	81J*	--	<180	<190
ACENAPHTHYLENE	100,000	1,000,000	107,000	<27,000	210J*	<7,400	140J*	--	<180	<190
ACETOPHENONE	NA	NA	NA	<27,000	340J*	<7,400	360J*	--	<180	12J
ANTHRACENE	100,000	1,000,000	1,000,000	<27,000	1900	<7,400	260J*	--	<180	<190
BENZALDEHYDE	NA	NA	NA	<27,000	70J*	<7,400	<740	--	<180	<190
BENZO(A)ANTHRACENE	1,000	11,000	1,000	6,700J*	13,000	1,100J*	2,300	--	10J	<190
BENZO(A)PYRENE	1,000	1,100	22,000	8,100J*	16,000	1,900J*	5,100	--	<180	<190
BENZO(B)FLUORANTHENE	1,000	11,000	1,700	11,000J*	25,000	4,000J*	10,000	--	8.3J	<190
BENZO(GHI)PERYLENE	100,000	1,000,000	1,000,000	6,800J*	12,000	2,200J*	5,400	--	<180	<190
BENZO(K)FLUORANTHENE	800	110,000	1,700	4,100J*	7,100	1,400J*	2,400	--	<180	<190
BIPHENYL	NA	NA	NA	<27,000	60J*	<7,400	<740	--	<180	<190
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	<27,000	1500	<7,400	500J*	--	<180	290
BUTYL BENZYL PHTHALATE	NA	NA	NA	<27,000	440J*	<7,400	<740	--	<180	<190
CARBAZOLE	NA	NA	NA	<27,000	1,900	<7,400	580J*	--	<180	<190
CHRYSENE	1,000	110,000	1,000	8,800J*	16,000	2,200J*	5,600	--	<180	<190
DIBENZO(A,H)ANTHRACENE	330	1,100	1,000,000	1,600J*	4,700	420J*	1,400	--	<180	<190
DIBENZOFURAN	NA	NA	NA	<27,000	310J*	<7,400	62J*	--	<180	<190
DI-N-BUTYL PHTHALATE	NA	NA	NA	<27,000	180J*	<7,400	<740	--	<180	<190
DI-N-OCTYL PHTHALATE	NA	NA	NA	<27,000	<530	<7,400	<740	--	<180	<190
FLUORANTHENE	100,000	1,000,000	1,000,000	18,000J*	35,000	3,300J*	8,500	--	12J	<190
FLUORENE	30,000	1,000,000	386,000	<27,000	840	<7,400	97J*	--	<180	<190
INDENO(1,2,3-CD)PYRENE	500	11,000	8,200	6,100J*	13,000	1,800J*	5,800	--	<180	<190
NAPHTHALENE	12,000	1,000,000	12,000	<27,000	88J*	<7,400	65J*	--	<180	<190
N-NITROSODIPHENYLAMINE	N/A	NA	NA	<27,000	40J*	<7,400	<740	--	<180	<190
PHENANTHRENE	100,000	1,000,000	1,000,000	7,600J*	13,000	960J*	2,400	--	<180	<190
PHENOL	330	1,000,000	330	<27,000	120J*	<7,400	130J*	--	<180	<190
PYRENE	100,000	1,000,000	1,000,000	14,000J*	27,000	2,600J*	6,700	--	10J	<190

Notes:

J = Estimated concentration. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

B = Analyte was detected in the associated Method Blank

* = Dilution required due to high sample viscosity

-- = Not Analyzed

NA Criteria not listed for this compound

(a) Criteria for hexavalent chromium / trivalent chromium. Chromium assumed to be trivalent.

NS Criteria not specified

Bold = Exceeds Unrestricted Residential Use Standard

Shaded = Exceed Lower of Restricted (Industrial) or Restricted (Protection of Groundwater) Standard

TABLE 2.1 SUMMARY OF MAY 2010 DETECTED CONSTITUENTS IN SOIL Project Yankee, New York										
Sample Type Sample Identification Depth Range (feet) Sample Date:	New York Unrestricted Use Soil Cleanup Objectives	New York Restricted Use (Industrial) Soil Cleanup Objectives	New York Restricted Use (Protection of Groundwater) Soil Cleanup Objectives	Normal B-2 Surface 5/12/2010	Normal B-2 0-5' 5/12/2010	Normal B-2 20-21' 5/20/2010	Normal B-3 0-1' 5/24/2010	Normal B-3 21-22' 5/24/2010	Normal B-4 0-1' 5/24/2010	Normal B-4 11-12' 5/24/2010
<u>Metals - SW846 6010B (Total), mg/kg</u>										
ARSENIC	13	16	16	2.2	--	<2.4	2.7	3.6	2.9	2.1
BARIUM	350	10,000	820	45.2	--	145	52.3	61.8	49.2	48.7
CADMIUM	2.5	60	7.5	<0.211	--	<0.235	<0.238	<0.220	<0.242	<0.203
CHROMIUM	1 / 30 (a)	800 / 6,800 (a)	19 / NS (a)	8.50	--	20.7	11.7	16.8	10.6	14.6
COPPER	50	10,000	1,720	50.2	--	12.0	14.0	2.6	14.7	84.5
LEAD	63	3,900	450	9.4	--	2.9	12.7	8.0	21.8	7.8
NICKEL	30	10,000	130	12.7	--	9.70	14.8	24.1	10.2	12.5
ZINC	109	10,000	2,480	37.5	--	22.4	32.1	67.9	38.1	38.9
MERCURY	0.18	5.7	0.73	<0.0213	--	<0.0231	0.0293	<0.0216	0.0556	<0.0223
<u>Volatile Organic Compounds - SW846 8260B, ug/kg</u>										
1,2,4-TRICHLOROBENZENE	NA	NA	NA	--	2.2J	<4.7	<6.1	<5.4	<5.8	<5.3
2-BUTANONE	120	1,000,000	120	--	<25	<23	<30	<27	<29	6.9J
ACETONE	50	1,000,000	50	--	<25	6.9J	<30	<27	<29	46
CHLOROBENZENE	1,100	1,000,000	1,100	--	<4.9	<4.7	<6.1	<5.4	<5.8	<5.3
CYCLOHEXANE	NA	NA	NA	--	<4.9	3.7JB	3.6J	3.5J	2.7J	3.5J
METHYLENE CHLORIDE	50	1,000,000	50	--	<4.9	12B	5.0JB	7.0B	6.8B	7.5B
<u>Volatile Organic Compounds - SW846 8021B, ug/kg</u>										
1,2,4-TRIMETHYLBENZENE	3,600	380,000	3,600	--	--	--	--	--	--	--
NAPHTHALENE	12,000	1,000,000	12,000	--	--	--	--	--	--	--
TOLUENE	700	1,000,000	700	--	--	--	--	--	--	--
<u>Semivolatile Organic Compounds - SW846 8270C, ug/kg</u>										
2-CHLOROPHENOL	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
2-METHYLNAPHTHALENE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
2-METHYLPHENOL	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
ACENAPHTHENE	20,000	1,000,000	98,000	--	<190	<200	<190	<180	<940	<920
ACENAPHTHYLENE	100,000	1,000,000	107,000	--	<190	<200	<190	<180	<940	<920
ACETOPHENONE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
ANTHRACENE	100,000	1,000,000	1,000,000	--	<190	<200	<190	<180	<940	<920
BENZALDEHYDE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
BENZO(A)ANTHRACENE	1,000	11,000	1,000	--	<190	<200	41J	<180	130J*	<920
BENZO(A)PYRENE	1,000	1,100	22,000	--	<190	<200	53J	<180	150J*	<920
BENZO(B)FLUORANTHENE	1,000	11,000	1,700	--	<190	<200	59J	<180	180J*	70J*
BENZO(GHI)PERYLENE	100,000	1,000,000	1,000,000	--	<190	<200	46J	<180	130J*	<920
BENZO(K)FLUORANTHENE	800	110,000	1,700	--	<190	<200	24J	<180	89J*	<920
BIPHENYL	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	--	<190	74J	<190	79J	<940	<920
BUTYL BENZYL PHTHALATE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
CARBAZOLE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
CHRYSENE	1,000	110,000	1,000	--	<190	<200	50J	<180	160J*	<920
DIBENZO(A,H)ANTHRACENE	330	1,100	1,000,000	--	<190	<200	<190	<180	<940	<920
DIBENZOFURAN	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
DI-N-BUTYL PHTHALATE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
DI-N-OCTYL PHTHALATE	NA	NA	NA	--	<190	<200	<190	<180	<940	<920
FLUORANTHENE	100,000	1,000,000	1,000,000	--	<190	<200	86J	<180	250J*	110J*
FLUORENE	30,000	1,000,000	386,000	--	<190	<200	<190	<180	<940	<920
INDENO(1,2,3-CD)PYRENE	500	11,000	8,200	--	<190	<200	35J	<180	100J*	<920
NAPHTHALENE	12,000	1,000,000	12,000	--	<190	<200	<190	<180	<940	<920
N-NITROSODIPHENYLAMINE	N/A	NA	NA	--	<190	<200	<190	<180	<940	<920
PHENANTHRENE	100,000	1,000,000	1,000,000	--	<190	<200	33J	<180	93J*	<920
PHENOL	330	1,000,000	330	--	<190	<200	<190	<180	<940	<920
PYRENE	100,000	1,000,000	1,000,000	--	<190	<200	76J	<180	210J*	97J*

Notes:
J = Estimated concentration. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
B = Analyte was detected in the associated Method Blank
* = Dilution required due to high sample viscosity
-- = Not Analyzed
NA Criteria not listed for this compound
(a) Criteria for hexavalent chromium / trivalent chromium. Chromium assumed to be trivalent.
NS Criteria not specified
Bold = Exceeds Unrestricted Residential Use Standard
Shaded = Exceed Lower of Restricted (Industrial) or Restricted (Protection of Groundwater) Standard

TABLE 2.1 SUMMARY OF MAY 2010 DETECTED CONSTITUENTS IN SOIL Project Yankee, New York										
Sample Type Sample Identification Depth Range (feet) Sample Date:	New York Unrestricted Use Soil Cleanup Objectives	New York Restricted Use (Industrial) Soil Cleanup Objectives	New York Restricted Use (Protection of Groundwater) Soil Cleanup Objectives	Normal B-5 0-5' 5/24/2010	Duplicate B-5 DUP 0-5' 5/24/2010	Normal B-5 25-26' 5/24/2010	Normal B-6 0-1' 5/18/2010	Normal B-6 23-24' 5/18/2010	Normal B-7 0-1' 5/18/2010	Normal B-7 21-22' 5/18/2010
<u>Metals - SW846 6010B (Total), mg/kg</u>										
ARSENIC	13	16	16	<2.3	<2.3	<2.2	<2.4	<2.4	<2.4	<2.5
BARIUM	350	10,000	820	52.7	55.7	28.1	40.8	47.4	25.1	52.2
CADMIUM	2.5	60	7.5	<0.226	<0.234	<0.218	<0.237	<0.243	<0.245	<0.248
CHROMIUM	1 / 30 (a)	800 / 6,800 (a)	19 / NS (a)	6.13	4.72	3.62	10.6	13.5	6.82	7.13
COPPER	50	10,000	1,720	119	105	5.0	15.5	19.8	10.0	7.4
LEAD	63	3,900	450	6.1	5.5	1.9	6.0	4.0	3.8	3.8
NICKEL	30	10,000	130	11.9	11.6	<5.46	11.7	10.8	8.67	8.70
ZINC	109	10,000	2,480	41.0	36.5	11.0	26.8	19.4	16.9	18.8
MERCURY	0.18	5.7	0.73	<0.0217	<0.0210	<0.0228	<0.0220	<0.0213	<0.0212	<0.0242
<u>Volatile Organic Compounds - SW846 8260B, ug/kg</u>										
1,2,4-TRICHLOROBENZENE	NA	NA	NA	<4.5	<4.5	<6.0	<5.1	<5.1	<4.9	<5.7
2-BUTANONE	120	1,000,000	120	2.6J	4.7J	<30	<25	<26	<24	<29
ACETONE	50	1,000,000	50	15J	20J	<30	<25	8.0J	<24	<29
CHLOROBENZENE	1,100	1,000,000	1,100	<4.5	<4.5	<6.0	<5.1	<5.1	<4.9	<5.7
CYCLOHEXANE	NA	NA	NA	2.6J	2.8J	2.8J	<5.1	<5.1	<4.9	<5.7
METHYLENE CHLORIDE	50	1,000,000	50	5.9B	5.4B	7.7B	15B	17B	14B	22B
<u>Volatile Organic Compounds - SW846 8021B, ug/kg</u>										
1,2,4-TRIMETHYLBENZENE	3,600	380,000	3,600	--	--	--	--	--	--	--
NAPHTHALENE	12,000	1,000,000	12,000	--	--	--	--	--	--	--
TOLUENE	700	1,000,000	700	--	--	--	--	--	--	--
<u>Semivolatile Organic Compounds - SW846 8270C, ug/kg</u>										
2-CHLOROPHENOL	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
2-METHYLNAPHTHALENE	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
2-METHYLPHENOL	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
ACENAPHTHENE	20,000	1,000,000	98,000	<190	<180	<190	<200	<200	<200	<210
ACENAPHTHYLENE	100,000	1,000,000	107,000	<190	<180	<190	<200	<200	<200	<210
ACETOPHENONE	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
ANTHRACENE	100,000	1,000,000	1,000,000	<190	<180	<190	<200	<200	<200	<210
BENZALDEHYDE	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
BENZO(A)ANTHRACENE	1,000	11,000	1,000	21J	27J	<190	<200	<200	<200	<210
BENZO(A)PYRENE	1,000	1,100	22,000	26J	33J	<190	<200	<200	<200	<210
BENZO(B)FLUORANTHENE	1,000	11,000	1,700	31J	37J	<190	<200	<200	<200	<210
BENZO(GHI)PERYLENE	100,000	1,000,000	1,000,000	22J	29J	<190	<200	<200	<200	<210
BENZO(K)FLUORANTHENE	800	110,000	1,700	13J	13J	<190	<200	<200	<200	<210
BIPHENYL	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	<190	<180	<190	<200	2000	77J	<210
BUTYL BENZYL PHTHALATE	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
CARBAZOLE	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
CHRYSENE	1,000	110,000	1,000	23J	26J	<190	<200	<200	<200	<210
DIBENZO(A,H)ANTHRACENE	330	1,100	1,000,000	<190	<180	<190	<200	<200	<200	<210
DIBENZOFURAN	NA	NA	NA	<190	<180	<190	<200	<200	<200	<210
DI-N-BUTYL PHTHALATE	NA	NA	NA	<190	80J	<190	<200	<200	<200	<210
DI-N-OCTYL PHTHALATE	NA	NA	NA	<190	<180	<190	<200	40J	<200	<210
FLUORANTHENE	100,000	1,000,000	1,000,000	43J	54J	<190	<200	<200	<200	<210
FLUORENE	30,000	1,000,000	386,000	<190	<180	<190	<200	<200	<200	<210
INDENO(1,2,3-CD)PYRENE	500	11,000	8,200	18J	22J	<190	<200	<200	<200	<210
NAPHTHALENE	12,000	1,000,000	12,000	<190	<180	<190	<200	<200	<200	<210
N-NITROSODIPHENYLAMINE	N/A	NA	NA	<190	<180	<190	<200	<200	<200	<210
PHENANTHRENE	100,000	1,000,000	1,000,000	19J	25J	<190	<200	<200	<200	<210
PHENOL	330	1,000,000	330	<190	<180	<190	<200	<200	<200	<210
PYRENE	100,000	1,000,000	1,000,000	36J	42J	<190	<200	<200	<200	<210

Notes:
J = Estimated concentration. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
B = Analyte was detected in the associated Method Blank
* = Dilution required due to high sample viscosity
-- = Not Analyzed
NA Criteria not listed for this compound
(a) Criteria for hexavalent chromium / trivalent chromium. Chromium assumed to be trivalent.
NS Criteria not specified
Bold = Exceeds Unrestricted Residential Use Standard
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TABLE 2.1 SUMMARY OF MAY 2010 DETECTED CONSTITUENTS IN SOIL Project Yankee, New York										
Sample Type Sample Identification Depth Range (feet) Sample Date:	New York Unrestricted Use Soil Cleanup Objectives	New York Restricted Use (Industrial) Soil Cleanup Objectives	New York Restricted Use (Protection of Groundwater) Soil Cleanup Objectives	Normal B-8 0-1' 5/18/2010	Normal B-8 15-16' 5/18/2010	Normal B-9 0-1' 5/18/2010	Normal B-9 20-21' 5/19/2010	Normal B-10 0-1' 5/19/2010	Gel Permeation Cleanup B-10 0-1'	Normal B-10 19-20' 5/19/2010
<u>Metals - SW846 6010B (Total), mg/kg</u>										
ARSENIC	13	16	16	<2.3	<2.3	<2.3	<2.2	<2.7	--	<1.9
BARIUM	350	10,000	820	44.5	24.7	19.8	34.9	49.2	--	40.3
CADMIUM	2.5	60	7.5	<0.231	<0.232	<0.226	<0.221	12.0	--	<0.190
CHROMIUM	1 / 30 (a)	800 / 6,800 (a)	19 / NS (a)	8.21	6.96	6.65	1.74	10.1	--	3.79
COPPER	50	10,000	1,720	12.3	8.6	8.6	<1.1	17.2	--	7.5
LEAD	63	3,900	450	28.2	6.5	10.7	1.3	48.8	--	2.3
NICKEL	30	10,000	130	9.13	6.27	7.30	<5.52	10.8	--	5.87
ZINC	109	10,000	2,480	35.3	17.1	27.1	4.8	52.2	--	13.3
MERCURY	0.18	5.7	0.73	0.0488	<0.0230	<0.0238	<0.0226	0.0482	--	<0.0203
<u>Volatile Organic Compounds - SW846 8260B, ug/kg</u>										
1,2,4-TRICHLOROBENZENE	NA	NA	NA	<4.7	<5.6	<5.1	<4.6	<5.1	--	<6.1
2-BUTANONE	120	1,000,000	120	<23	<28	<25	<23	<25	--	<30
ACETONE	50	1,000,000	50	<23	5.8J	<25	<23	<25	--	<30
CHLOROBENZENE	1,100	1,000,000	1,100	<4.7	<5.6	<5.1	<4.6	<5.1	--	<6.1
CYCLOHEXANE	NA	NA	NA	<4.7	2.3J	<5.1	<4.6	2.8	--	3.4J
METHYLENE CHLORIDE	50	1,000,000	50	13B	25B	13B	9.3B	11B	--	22B
<u>Volatile Organic Compounds - SW846 8021B, ug/kg</u>										
1,2,4-TRIMETHYLBENZENE	3,600	380,000	3,600	<12	4.2J	<12	--	--	--	--
NAPHTHALENE	12,000	1,000,000	12,000	<12	8.7JB	<12	--	--	--	--
TOLUENE	700	1,000,000	700	4.4JB	6.1J	4.9JB	--	--	--	--
<u>Semivolatile Organic Compounds - SW846 8270C, ug/kg</u>										
2-CHLOROPHENOL	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
2-METHYLNAPHTHALENE	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
2-METHYLPHENOL	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
ACENAPHTHENE	20,000	1,000,000	98,000	<210	<200	<200	<190	<2,100	36J*	<170
ACENAPHTHYLENE	100,000	1,000,000	107,000	<210	<200	<200	<190	<2,100	<430	<170
ACETOPHENONE	NA	NA	NA	<210	<200	<200	<190	<2,100	76J*	<170
ANTHRACENE	100,000	1,000,000	1,000,000	<210	<200	<200	<190	<2,100	72J*	<170
BENZALDEHYDE	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
BENZO(A)ANTHRACENE	1,000	11,000	1,000	65J	36J	92J	<190	920J*	830	<170
BENZO(A)PYRENE	1,000	1,100	22,000	89J	44J	130J	<190	1,000J*	1,100	<170
BENZO(B)FLUORANTHENE	1,000	11,000	1,700	130J	70J	190J	<190	1,600J*	1,400	<170
BENZO(GHI)PERYLENE	100,000	1,000,000	1,000,000	96J	50J	140J	<190	840J*	770	<170
BENZO(K)FLUORANTHENE	800	110,000	1,700	39J	22J	61J	<190	750J*	660	<170
BIPHENYL	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	460	1600	620	<190	<2,100	190J*	<170
BUTYL BENZYL PHTHALATE	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
CARBAZOLE	NA	NA	NA	<210	<200	<200	<190	140J*	110J*	<170
CHRYSENE	1,000	110,000	1,000	97J	45J	140J	<190	1,300J*	1,200	<170
DIBENZO(A,H)ANTHRACENE	330	1,100	1,000,000	20J	<200	30J	<190	<2,100	190J*	<170
DIBENZOFURAN	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
DI-N-BUTYL PHTHALATE	NA	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
DI-N-OCTYL PHTHALATE	NA	NA	NA	23J	85J	<200	<190	<2,100	<430	<170
FLUORANTHENE	100,000	1,000,000	1,000,000	170J	80J	260	<190	2,800*	2,400	<170
FLUORENE	30,000	1,000,000	386,000	<210	<200	<200	<190	<2,100	37J*	<170
INDENO(1,2,3-CD)PYRENE	500	11,000	8,200	77J	41J	110J	<190	720J*	750	<170
NAPHTHALENE	12,000	1,000,000	12,000	<210	<200	<200	<190	<2,100	<430	<170
N-NITROSODIPHENYLAMINE	N/A	NA	NA	<210	<200	<200	<190	<2,100	<430	<170
PHENANTHRENE	100,000	1,000,000	1,000,000	62J	33J	94J	<190	1,500J*	1,000	<170
PHENOL	330	1,000,000	330	<210	<200	<200	<190	<2,100	<430	<170
PYRENE	100,000	1,000,000	1,000,000	140J	67J	200	<190	2,200*	1,900	<170

Notes:
J = Estimated concentration. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
B = Analyte was detected in the associated Method Blank
* = Dilution required due to high sample viscosity
-- = Not Analyzed
NA Criteria not listed for this compound
(a) Criteria for hexavalent chromium / trivalent chromium. Chromium assumed to be trivalent.
NS Criteria not specified
Bold = Exceeds Unrestricted Residential Use Standard
Shaded = Exceed Lower of Restricted (Industrial) or Restricted (Protection of Groundwater) Standard

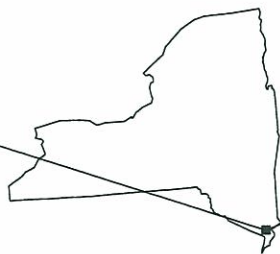
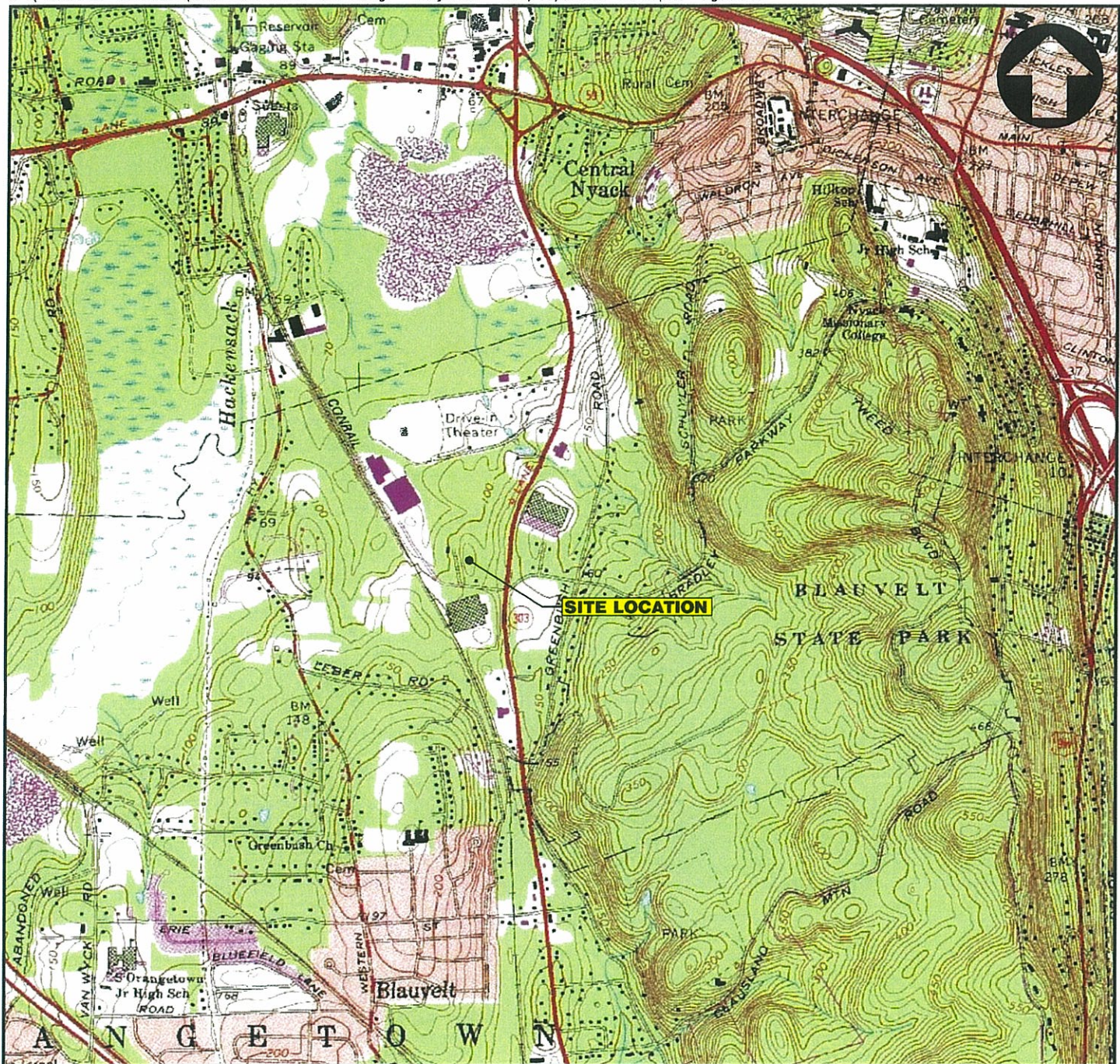
Prepared by: D. Plopper 6/22/10
Checked by: D. Smoak 6/22/10

TABLE 2.2
SUMMARY OF MAY 2010 DETECTED CONSTITUENTS IN GROUNDWATER

Project Yankee New York																
Sample Type Sample Identification Screened Interval Sample Date:	Federal MCL	New York Water Quality Standards (GA)	Normal MW-OS-13R 5/12/2010	Duplicate MW-OS-13R-DUP 5/12/2010	Rinsate Blank RB-051210 NA 5/12/2010	Normal B-1 20-30 ft. bgs 5/20/2010	Normal B-2 18-28 ft. bgs 5/20/2010	Normal B-3 23-33 ft. bgs 5/25/2010	Normal B-4 25-35 ft. bgs 5/24/2010	Normal B-5 25-35 ft. bgs 5/24/2010	Normal B-6 25-35 ft. bgs 5/19/2010	Normal B-7 25-35 ft. bgs 5/19/2010	Normal B-8 18-28 ft. bgs 5/19/2010	Normal B-8 18-28 ft. bgs 5/20/2010	Normal B-9 19-29 ft. bgs 5/19/2010	Normal B-10 20-30 ft. bgs 5/19/2010
Metals - SW846 6010B (Total), mg/L																
ARSENIC	0.010	0.025	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0174	0.0142	--	<0.0100	<0.0100
BARIUM	2	2	0.674	0.683	0.0228	0.724	1.19	0.476	1.70	1.00	0.350	0.838	1.23	--	0.625	0.829
CADMIUM	0.005	0.005	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0017	--	0.0010	<0.0010
CHROMIUM	0.1	0.05	0.0523	0.0468	<0.0040	0.0284	0.0214	0.0043	0.0150	0.0273	0.0284	0.0212	0.0293	--	0.0105	0.0178
COPPER	1.3 (TT)	0.2	<0.0100	<0.0100	<0.0100	<0.0100	0.0256	0.0220	0.0208	0.0692	0.0316	0.0494	0.145	--	<0.0100	0.0587
LEAD	0.015 (TT)	0.025	<0.0050	<0.0050	<0.0050	0.0084	<0.0050	<0.0050	<0.0050	0.0155	0.0099	0.0126	0.0264	--	<0.0050	0.0117
NICKEL	NA	0.1	0.0961	0.0982	<0.0100	0.0156	0.0351	<0.0100	0.0662	0.0395	0.0249	0.0283	0.0586	--	0.0535	0.0276
ZINC	5 ⁽¹⁾	5 (Effluent)	<0.0100	<0.0100	<0.0100	0.0852	0.0406	0.0226	0.0437	0.170	0.0816	0.0893	0.220	--	0.0313	0.0571
MERCURY	0.002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0008	--	<0.0002	<0.0002
Metals - SW846 6010B (Dissolved), mg/L																
BARIUM	2	2	0.656	0.681	0.0222	0.0619	0.0945	0.450	0.509	0.428	0.167	0.320	--	0.0730	0.0926	0.260
CHROMIUM	0.1	0.05	<0.0040	0.0732	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	--	<0.0040	<0.0040	<0.0040
NICKEL	NA	0.1	0.0895	0.106	<0.0100	<0.0100	<0.0100	<0.0100	0.0136	<0.0100	<0.0100	<0.0100	--	<0.0100	<0.0100	<0.0100
ZINC	5 ⁽¹⁾	5 (Effluent)	<0.0100	<0.0100	<0.0100	0.0197	0.0371	0.0101	<0.0100	0.0256	0.0100	<0.0100	--	0.0178	<0.0100	<0.0100
Volatile Organic Compounds - SW846 8260B, ug/L																
2-BUTANONE (MEK)	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4.0J	<5.0	<5.0	--	<5.0	<5.0
ACETONE	NA	NA	<5.0	<5.0	<5.0	3.9J	6.8	<5.0	5.0	<5.0	13	3.8J	4.8J	--	9.3	<5.0
BENZENE	5	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.9	1.7	<1.0	<1.0	<1.0	--	<1.0	<1.0
BROMODICHLOROMETHANE	80 ⁽²⁾	NA	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0
BROMOFORM	80 ⁽²⁾	NA	<1.0	<1.0	<1.0	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0
CARBON DISULFIDE	NA	60	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.72J	<1.0	<1.0	--	<1.0	<1.0
CHLORODIBROMOMETHANE	80 ⁽²⁾	NA	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0
CHLOROFORM	80 ⁽²⁾	7	5.3	4.9	<1.0	30	27	0.74J	0.84J	4.9	29	5.6	31	--	13	7.3
TETRACHLOROETHENE	5	5	0.55J	0.58J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0
TOLUENE*	1000	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.5	1.6	<1.0	<1.0	<1.0	--	<1.0	<1.0
XYLENES, TOTAL	10000	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.2	0.69J	1.8J	<2.0	<2.0	--	<2.0	<2.0
Volatile Organic Compounds - SW846 8021B, ug/L																
1,2,4-TRIMETHYLBENZENE*	NA	5	--	--	--	--	--	--	--	--	--	--	0.81	--	0.21	--
1,3,5-TRIMETHYLBENZENE*	NA	5	--	--	--	--	--	--	--	--	--	--	0.34	--	0.37	--
BENZENE	5	1	--	--	--	--	--	--	--	--	--	--	0.17J	--	0.16J	--
ETHYLBENZENE*	700	5	--	--	--	--	--	--	--	--	--	--	0.15J	--	0.17J	--
m-XYLENE & p-XYLENE*	10,000	5	--	--	--	--	--	--	--	--	--	--	0.75	--	0.42	--
NAPHTHALENE	NA	10 (A)	--	--	--	--	--	--	--	--	--	--	0.42B	--	0.31B	--
o-XYLENE*	10,000	5	--	--	--	--	--	--	--	--	--	--	0.44	--	0.33	--
TOLUENE*	1,000	5	--	--	--	--	--	--	--	--	--	--	0.20	--	0.24	--
XYLENES, TOTAL*	10,000	5	--	--	--	--	--	--	--	--	--	--	1.2	--	0.75	--
Semivolatile Organic Compounds - SW846 8270C, ug/L																
2-METHYLNAPHTHALENE	NA	NA	<4.8	<4.8	<4.7	0.58J	<4.8	<4.8	<4.8	<4.7	1.1J	<4.7	--	<5.2	1.5J	<4.8
ACETOPHENONE	NA	NA	<4.8	<4.8	<4.7	6.4	39	<4.8	<4.8	<4.7	2.1J	44	--	11	52	<4.8
BIS(2-ETHYLHEXYL)PHTHALATE	6	5	<4.8	<4.8	<4.7	3.6J	82	<4.8	<4.8	<4.7	3.7J	5.5	--	7.1	77	4.8
BUTYL BENZYL PHTHALATE	NA	NA	<4.8	<4.8	<4.7	1.3J	1.9J	<4.8	<4.8	<4.7	<5.0	<4.7	--	0.84J	<4.8	<4.8
DIETHYL PHTHALATE	NA	NA	<4.8	<4.8	<4.7	0.73J	<4.8	<4.8	<4.8	<4.7	3.5J	6.0	--	6.6	1.6J	1.4J
DI-N-BUTYL PHTHALATE	NA	50	<4.8	<4.8	<4.7	13	5.0	<4.8	0.61JB	0.62JB	1.4J	0.89	--	3.0J	2.2J	<4.8
ISOPHORONE	NA	NA	<4.8	<4.8	<4.7	0.76J	<4.8	<4.8	<4.8	<4.7	<5.0	<4.7	--	<5.2	0.58J	<4.8

Notes:
J = Estimated concentration. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
B = Analyte was detected in the associated Method Blank
MCL = U.S. EPA Maximum Contaminant Level
TT = Treatment Technology
(1) = Secondary Standard
(2) = MCL is for Total Trihalomethanes (TTHM), which includes bromodichloromethane; bromoform; dibromochloromethane; chloroform.
GA The best usage of New York Class GA waters is as a source of potable water supply. Class GA waters are fresh groundwaters.
* = The New York Department of Environmental Conservation principal organic contaminant standard for groundwater of 5 ug/L applies to this substance
Bold = Exceeds Federal MCL
Shaded = Exceeds New York Water Quality Standard for Surface Water and Groundwater

FIGURES



NEW YORK
QUADRANGLE LOCATION

SOURCE: USGS TOPO MAP, SOUTH
NYACK, NEW YORK, USA

SCALE IN FEET



PROJECT YANKEE
BLAUVELT, NY

MACTEC
MACTEC Engineering and Consulting, Inc.
3200 TOWN POINT DRIVE, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

SITE LOCATION MAP

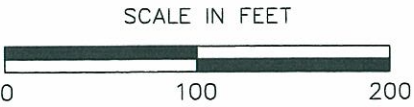
JOB NO. 6123-10-0134 FIGURE 1

PREPARED BY/DATE
CHECKED BY/DATE
DJS 6/16/10



LEGEND

- ▲ SOIL BORING LOCATION
- EXISTING MONITORING WELL
- SURFACE SOIL
- ◆ DEPOSIT SAMPLE



PROJECT YANKEE
BLAUVELT, NY

MACTEC
MACTEC Engineering and Consulting, Inc.
3200 TOWN POINT DRIVE, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

SAMPLING LOCATION MAP

JOB NO. 6123-10-0134

FIGURE 2

PREPARED BY/DATE *CSA 6/11/10*
CHECKED BY/DATE *PS 6/16/10*



S-1 Soil 5/12/2010			
		Surface	
BARUM	mg/kg	48.2	
CADMIUM	mg/kg	0.332	
CHROMIUM	mg/kg	21.7	
COPPER	mg/kg	69.6	
LEAD	mg/kg	108	
NICKEL	mg/kg	15.2	
ZINC	mg/kg	169	
MERCURY	mg/kg	0.0942	
1,2,4-TRICHLOROBENZENE	ug/kg	7.8J	
CHLOROBENZENE	ug/kg	5.1J	
BENZO(A)ANTHRACENE	ug/kg	6700J*	
BENZO(A)PYRENE	ug/kg	8100J*	
BENZO(B)FLUORANTHENE	ug/kg	11000J*	
BENZO(GH)PERYLENE	ug/kg	6800J*	
BENZO(K)FLUORANTHENE	ug/kg	4100J*	
CHRYSENE	ug/kg	8800J*	
DIBENZO(A,H)ANTHRACENE	ug/kg	1600J*	
FLUORANTHENE	ug/kg	18000J*	
INDENOL(1,2,3-CD)PYRENE	ug/kg	6100J*	
PHENANTHRENE	ug/kg	7600J*	
PYRENE	ug/kg	14000J*	

S-1 Gel Permeation Cleanup Soil 5/12/2010			
		Surface	
2-CHLOROPHENOL	ug/kg	37J*	
2-METHYLNAPHTHALENE	ug/kg	80J*	
COPPER	ug/kg	28J*	
ACENAPHTHENE	ug/kg	730	
ACENAPHTHYLENE	ug/kg	210J*	
ACETOPHENONE	ug/kg	340J*	
ANTHRACENE	ug/kg	1900	
BENZALDEHYDE	ug/kg	70J*	
BENZO(A)ANTHRACENE	ug/kg	13000	
BENZO(A)PYRENE	ug/kg	16000	
BENZO(B)FLUORANTHENE	ug/kg	25000	
BENZO(GH)PERYLENE	ug/kg	12000	
BENZO(K)FLUORANTHENE	ug/kg	7100	
BIPHENYL	ug/kg	60J*	
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	1500	
BUTYL BENZYL PHTHALATE	ug/kg	440J*	
CARBAZOLE	ug/kg	1900	
CHRYSENE	ug/kg	16000	
DIBENZO(A,H)ANTHRACENE	ug/kg	4700	
DIBENZO(F)URAN	ug/kg	310J*	
DI-N-BUTYL PHTHALATE	ug/kg	180J*	
DI-N-OCTYL PHTHALATE	ug/kg	<530	
FLUORANTHENE	ug/kg	35000	
FLUORENE	ug/kg	840	
INDENOL(1,2,3-CD)PYRENE	ug/kg	13000	
NEPHTHALENE	ug/kg	88J*	
N-NITROSODIPHENYLAMINE	ug/kg	40J*	
PHENANTHRENE	ug/kg	13000	
PHENOL	ug/kg	120J*	
PYRENE	ug/kg	27000	

S-2 Soil 5/12/2010			
		Surface	
BARIUM	mg/kg	43.8	
CHROMIUM	mg/kg	17.4	
COPPER	mg/kg	36.4	
LEAD	mg/kg	58.2	
NICKEL	mg/kg	12.6	
ZINC	mg/kg	76.5	
MERCURY	mg/kg	0.0896	
1,2,4-TRICHLOROBENZENE	ug/kg	8.3J	
CHLOROBENZENE	ug/kg	5.6J	
BENZO(A)ANTHRACENE	ug/kg	1400J*	
BENZO(A)PYRENE	ug/kg	1900J*	
BENZO(B)FLUORANTHENE	ug/kg	4000J*	
BENZO(GH)PERYLENE	ug/kg	2200J*	
BENZO(K)FLUORANTHENE	ug/kg	1400J*	
CHRYSENE	ug/kg	2200J*	
DIBENZO(A,H)ANTHRACENE	ug/kg	420J*	
FLUORANTHENE	ug/kg	3300J*	
INDENOL(1,2,3-CD)PYRENE	ug/kg	1800J*	
PHENANTHRENE	ug/kg	960J*	
PYRENE	ug/kg	2600J*	

S-2 Gel Permeation Cleanup Soil 5/12/2010			
		Surface	
2-CHLOROPHENOL	ug/kg	42J*	
2-METHYLNAPHTHALENE	ug/kg	38J*	
ACENAPHTHENE	ug/kg	81J*	
ACENAPHTHYLENE	ug/kg	140J*	
ACETOPHENONE	ug/kg	360J*	
ANTHRACENE	ug/kg	260J*	
BENZO(A)ANTHRACENE	ug/kg	2300	
BENZO(A)PYRENE	ug/kg	5100	
BENZO(B)FLUORANTHENE	ug/kg	10000	
BENZO(GH)PERYLENE	ug/kg	5400	
BENZO(K)FLUORANTHENE	ug/kg	2400	
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	500J*	
CARBAZOLE	ug/kg	580J*	
CHRYSENE	ug/kg	5600	
DIBENZO(A,H)ANTHRACENE	ug/kg	1400	
DIBENZO(F)URAN	ug/kg	62J*	
FLUORANTHENE	ug/kg	8500	
FLUORENE	ug/kg	97J*	
INDENOL(1,2,3-CD)PYRENE	ug/kg	5800	
NEPHTHALENE	ug/kg	65J*	
PHENANTHRENE	ug/kg	2400	
PHENOL	ug/kg	130J*	
PYRENE	ug/kg	6700	

B-4 Soil 5/24/2010			
		0-1'	11-12'
ARSENIC	mg/kg	2.9	2.1
BARIUM	mg/kg	49.2	48.7
CHROMIUM	mg/kg	10.6	14.6
COPPER	mg/kg	14.7	84.5
LEAD	mg/kg	21.8	7.8
NICKEL	mg/kg	10.2	12.5
ZINC	mg/kg	38.1	38.9
MERCURY	mg/kg	0.0556	<0.0223
2-BUTANONE	ug/kg	<29	6.9J
ACETONE	ug/kg	<29	46
CYCLOHEXANE	ug/kg	2.7J	3.5J
METHYLENE CHLORIDE	ug/kg	6.8B	2.5B
BENZO(A)ANTHRACENE	ug/kg	130J*	<920
BENZO(A)PYRENE	ug/kg	150J*	<920
BENZO(B)FLUORANTHENE	ug/kg	180J*	70J*
BENZO(GH)PERYLENE	ug/kg	130J*	<920
BENZO(K)FLUORANTHENE	ug/kg	89J*	<920
CHRYSENE	ug/kg	160J*	<920
FLUORANTHENE	ug/kg	250J*	110J*
INDENOL(1,2,3-CD)PYRENE	ug/kg	100J*	<920
PHENANTHRENE	ug/kg	93J*	<920
PYRENE	ug/kg	210J*	97J*

B-3 Soil 5/24/2010			
		0-1'	21-22'
ARSENIC	mg/kg	2.7	3.6
BARIUM	mg/kg	52.3	61.8
CHROMIUM	mg/kg	11.7	16.8
COPPER	mg/kg	14.0	2.6
LEAD	mg/kg	12.7	8.0
NICKEL	mg/kg	14.8	24.1
ZINC	mg/kg	32.1	67.9
MERCURY	mg/kg	0.0293	<0.0216
CYCLOHEXANE	ug/kg	3.6J	3.5J
METHYLENE CHLORIDE	ug/kg	5.0B	7.0B
BENZO(A)ANTHRACENE	ug/kg	40J	<180
BENZO(A)PYRENE	ug/kg	53J	<180
BENZO(B)FLUORANTHENE	ug/kg	59J	<180
BENZO(GH)PERYLENE	ug/kg	46J	<180
BENZO(K)FLUORANTHENE	ug/kg	24J	<180
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	<190	79J
CHRYSENE	ug/kg	50J	<180
FLUORANTHENE	ug/kg	86J	<180
INDENOL(1,2,3-CD)PYRENE	ug/kg	35J	<180
PHENANTHRENE	ug/kg	33J	<180
PYRENE	ug/kg	70J	<180

LEGEND

- ▲ GEOPROBE LOCATION
- EXISTING MONITORING WELL
- SURFACE SOIL
- DEPOSIT SAMPLE
- J = ESTIMATED CONCENTRATION, ANALYTE DETECTED AT A LEVEL LESS THAN THE REPORTING LIMIT (RL) AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT (MDL)
- B = ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD BLANK
- * = DILUTION REQUIRED DUE TO HIGH SAMPLE VISCOSITY

B-5 Soil 5/24/2010			
		0-5'	25-26'
BARIUM	mg/kg	52.7	28.1
CHROMIUM	mg/kg	6.13	3.62
COPPER	mg/kg	119	5.0
LEAD	mg/kg	6.1	1.9
NICKEL	mg/kg	11.9	<5.46
ZINC	mg/kg	41.0	11.0
2-BUTANONE	ug/kg	2.6J	<30
ACETONE	ug/kg	15J	<30
CYCLOHEXANE	ug/kg	2.6J	2.8J
METHYLENE CHLORIDE	ug/kg	5.9B	7.7B
BENZO(A)ANTHRACENE	ug/kg	21J	<190
BENZO(A)PYRENE	ug/kg	26J	<190
BENZO(B)FLUORANTHENE	ug/kg	31J	<190
BENZO(GH)PERYLENE	ug/kg	2.2J	<190
BENZO(K)FLUORANTHENE	ug/kg	13J	<190
CHRYSENE	ug/kg	23J	<190
FLUORANTHENE	ug/kg	43J	<190
INDENOL(1,2,3-CD)PYRENE	ug/kg	18J	<190
PHENANTHRENE	ug/kg	19J	<190
PYRENE	ug/kg	36J	<190

B-6 Soil 5/18/2010			
		0-1'	23-24'
BARIUM	mg/kg	40.8	47.4
CHROMIUM	mg/kg	10.6	13.5
COPPER	mg/kg	15.5	19.8
LEAD	mg/kg	6.0	4.0
NICKEL	mg/kg	11.7	10.8
ZINC	mg/kg	26.8	18.4
ACETONE	ug/kg	<25	8.0J
METHYLENE CHLORIDE	ug/kg	15B	17B
DI-N-OCTYL PHTHALATE	ug/kg	<200	40J

B-7 Soil 5/18/2010			
		0-1'	21-22'
BARIUM	mg/kg	25.1	52.2
CHROMIUM	mg/kg	6.82	7.13
COPPER	mg/kg	10	7.4
LEAD	mg/kg	3.8	3.8
NICKEL	mg/kg	8.67	8.7
ZINC	mg/kg	16.9	18.8
METHYLENE CHLORIDE	ug/kg	14B	22B
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	77J	<210

B-8 Soil 5/18/2010			
		0-1'	15-16'
BARIUM	mg/kg	44.5	24.7
CHROMIUM	mg/kg	8.21	6.96
COPPER	mg/kg	12.3	8.6
LEAD	mg/kg	28.2	6.5
NICKEL	mg/kg	9.13	6.27
ZINC	mg/kg	35.3	17.1
MERCURY	mg/kg	0.0488	<0.0230
ACETONE	ug/kg	<23	5.8J
CYCLOHEXANE	ug/kg	<4.7	2.3J
METHYLENE CHLORIDE	ug/kg	13B	25B
1,2,4-TRIMETHYLBENZENE	ug/kg	<12	4.2J
NAPHTHALENE	ug/kg	<12	8.7JB
TOLUENE	ug/kg	4.4JB	6.1J
BENZO(A)ANTHRACENE	ug/kg	65J	36J
BENZO(A)PYRENE	ug/kg	89J	44J
BENZO(B)FLUORANTHENE	ug/kg	130J	70J
BENZO(GH)PERYLENE	ug/kg	96J	50J
BENZO(K)FLUORANTHENE	ug/kg	39J	22J
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	460	1600
CHRYSENE	ug/kg	97J	45J
DIBENZO(A,H)ANTHRACENE	ug/kg	20J	<200
DI-N-OCTYL PHTHALATE	ug/kg	23J	85J
FLUORANTHENE	ug/kg	170J	80J
INDENOL(1,2,3-CD)PYRENE	ug/kg	77J	41J
PHENANTHRENE	ug/kg	62J	33J
PYRENE	ug/kg	140J	67J

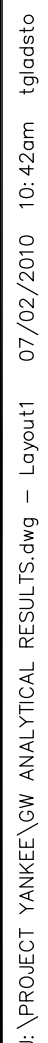
B-9 Soil 5/18-5/19/2010			
		5/18/2010 0-1'	5/19/2010 20-21'
BARIUM	mg/kg	19.8	34.9
CHROMIUM	mg/kg	6.65	1.74
COPPER	mg/kg	8.6	<1.1
LEAD	mg/kg	10.7	1.3
NICKEL	mg/kg	7.3	<5.52
ZINC	mg/kg	27.1	4.8
METHYLENE CHLORIDE	ug/kg	15B	9.3B
TOLUENE	ug/kg	4.9JB	—
BENZO(A)ANTHRACENE	ug/kg	92J	<190
BENZO(A)PYRENE	ug/kg	130J	<190
BENZO(B)FLUORANTHENE	ug/kg	190J	<190
BENZO(GH)PERYLENE	ug/kg	140J	<190
BENZO(K)FLUORANTHENE	ug/kg	61J	<190
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	620	<190
CHRYSENE	ug/kg	140J	<190
DIBENZO(A,H)ANTHRACENE	ug/kg	30J	<190
FLUORANTHENE	ug/kg	260	<190
INDENOL(1,2,3-CD)PYRENE	ug/kg	110J	<190
PHENANTHRENE	ug/kg	94J	<190
PYRENE	ug/kg	200	<190

B-10 Soil 5/19/2010			
		0-1'	19-20'
BARIUM	mg/kg	49.2	40.3
CADMIUM	mg/kg	12.0	<0.190
CHROMIUM	mg/kg	10.1	3.79
COPPER	mg/kg	17.2	7.5
LEAD	mg/kg	48.8	2.3
NICKEL	mg/kg	10.8	5.87
ZINC	mg/kg	52.2	13.3
MERCURY	mg/kg	0.0482	<0.0203
CYCLOHEXANE	ug/kg	2.8	3.4J
METHYLENE CHLORIDE	ug/kg	11B	22B
BENZO(A)ANTHRACENE	ug/kg	920J	<170
BENZO(A)PYRENE	ug/kg	1000J	<170
BENZO(B)FLUORANTHENE	ug/kg	1600J	<170
BENZO(GH)PERYLENE	ug/kg	840J	<170
BENZO(K)FLUORANTHENE	ug/kg	750J	<170
CARBAZOLE	ug/kg	140J	<170
CHRYSENE	ug/kg	1300J	<170
FLUORANTHENE	ug/kg	200J	<170
INDENOL(1,2,3-CD)PYRENE	ug/kg	720J	<170
PHENANTHRENE	ug/kg	1500J	<170
PYRENE	ug/kg	2200	<170

B-10 Gel Permeation Cleanup Soil 5/19/2010			
		0-1'	
ACENAPHTHENE	ug/kg	36J*	
ACETOPHENONE	ug/kg	76J*	
ANTHRACENE	ug/kg	72J*	
BENZO(A)ANTHRACENE	ug/kg	830	
BENZO(A)PYRENE	ug/kg	1100	
BENZO(B)FLUORANTHENE	ug/kg	1400	
BENZO(GH)PERYLENE	ug/kg	770	
BENZO(K)FLUORANTHENE	ug/kg	660	
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	190J*	
CARBAZOLE	ug/kg	110J*	
CHRYSENE	ug/kg	1200	
DIBENZO(A,H)ANTHRACENE	ug/kg	190J*	
FLUORANTHENE	ug/kg	2400	
FLUORENE	ug/kg	37J*	
INDENOL(1,2,3-CD)PYRENE	ug/kg	750	
PHENANTHRENE	ug/kg	1000	
PYRENE	ug/kg	1900	

B-2 Soil 5/12/2010 and 5/19/2010			
		5/12/2010 Surface	5/12/2010 0-5'
ARSENIC	mg/kg	2.2	<2.4
BARIUM	mg/kg	45.2	145
CHROMIUM	mg/kg	8.50	20.7
COPPER	mg/kg	59.2	12.0
LEAD	mg/kg	9.4	2.9
NICKEL	mg/kg	12.7	9.70
ZINC	mg/kg	37.5	22.4
1,2,4-TRICHLOROBENZENE	ug/kg	—	2.2J
ACETONE	ug/kg	—	<25
CYCLOHEXANE	ug/kg	—	6.5J
METHYLENE CHLORIDE	ug/kg	—	<4.9
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	—	<190

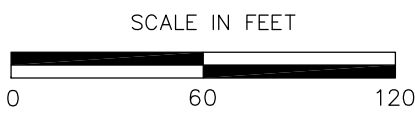
B-1 Soil 5/12/2010 and 5/19/2010			5/12/2010 Surface	5/12/2010 0-5'	5/19/2010 15-20"
ARSENIC	mg/kg		3.1	--	3.2
BARILUM	mg/kg		35.8	--	89.2
CHROMIUM	mg/kg		11.0	--	17.0
COPPER	mg/kg		13.4	--	2.5
LEAD	mg/kg		45.1	--	3.9
NICKEL	mg/kg		11.4	--	10.3
ZINC	mg/kg		50.8	--	54.0
MERCURY	mg/kg		0.0575	--	-0.0277
1,2,4-TRICHLOROBENZENE	ug/kg		--	2.91	<4.7
ACETONE	ug/kg		--	10.0	4.61
METHYLENE CHLORIDE	ug/kg		--	14.0	5.78
ACETOPHENONE	ug/kg		--	<180	121
BENZO(A)ANTHRACENE	ug/kg		--	<10	<190
BENZO(B)FLUORANTHENE	ug/kg		--	8.31	<190
BN(2,6-ETHYLMETHYL)PHTHALATE	ug/kg		--	<180	290
FLUORANTHENE	ug/kg		--	<120	<190
PYRENE	ug/kg		--	<10	<190



LEGEND

▲	GEOPROBE LOCATION
●	EXISTING MONITORING WELL
■	SURFACE SOIL
●	DEPOSIT SAMPLE
J =	ESTIMATED CONCENTRATION, ANALYTE DETECTED AT A LEVEL LESS THAN THE REPORTING LIMIT (RL) AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT (MDL)
B =	ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD BLANK

B-2 Groundwater 5/20/2010	
BARIUM, TOTAL	mg/L 1.19
CHROMIUM, TOTAL	mg/L 0.0214
COPPER, TOTAL	mg/L 0.0256
NICKEL, TOTAL	mg/L 0.0351
ZINC, TOTAL	mg/L 0.0406
BARIUM, DISSOLVED	mg/L 0.0945
ZINC, DISSOLVED	mg/L 0.0371
ACETONE	ug/L 6.8
CHLOROFORM	ug/L 27
ACETOPHENONE	ug/L 39
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L 82
BUTYL BENZYL PHTHALATE	ug/L 1.91
DI-N-BUTYL PHTHALATE	ug/L 5.0



W G. N O.	R E V	P A G E N O.
FIG. 4		

APPENDIX A

MAY 2010 SOIL BORING AND TEMPORARY MONITORING WELL INFORMATION LOGS



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME: Project Yankee
 LOCATION: Blauvelt, NY
 CLIENT: Southwire Co.

FIELD BORING LOG

Boring No.: B-1

Page No.: 1 of 1

Contractor: ADT	Driller: Chris Capobianco	Date Started: 5/12/10	Refusal Depth: 14' 9.3
Method: Direct Push/Sonic	Water Depth: 21 ft	Date Finished: 5/19/10	Rock Cored (FT): NA
Elevation: NA	Soil Drilled: 30 ft	Total Depth: 30'	Casing Size: NA
Logged By: Rick Wajak	Joe McGill (Sonic)	Screened Interval: 20-30'	Core Size: 2 inch
	Checked By:		3 inch Sonic sampler
			5 inch Sonic casing

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests performed
	Depth (feet)	Casing Blows/Foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-26"	NA	B-100	2' 6"	Grab	Redbrown silt; Some F Sand; Trace F Gravel. Fractured cobbles. Soft. Damp. well graded.	ML	0.0		See Notes
5			Metals 13.50 B1000S 16.55			Poorly graded.				
5	6-10'		SVOCs VOCs	3' 10"		Red brown silt; Trace F sand. Fractured Arkosis sandstone cobbles.	ML	0.0		
10										
10						Refusal @ 14' bgs. Redbrown silt; Trace F & C sand. well graded. Soft, Moist. Move over 1 ft. Drill straight to 15 ft.	ML	0.0		
14				3' 6"		Fractured cobbles.				
15						2nd attempt. Refusal @ 9' bgs. Move 1 ft over. Refusal @ 3'. Move to B-2				
						Resume boring 5/19/10. With Sonic Drill.				
15	0-1' 6"			4' 5"		Fractured rock mixed w/ silt, clay. Wet rock pebbles from above. (Drilling with water.) Boulder	N.A.			
19	1' 6"-4' 5"					Boulder				
19	0-5"					Boulder cont. from above. (3' 4" Boulder)	N.A.			
19	5"-2' 1"			2' 8"		Brown silt, little clay, And F & C gravel. well graded. Very Stiff. Wet at 21'.	Till			
25			B-11920 14:30							
	2' 1"-4' 8"					Rock Boulder.	NA			
						End sampling. Bore hole to 30'. Install well.				

Notes

Metals 6010B/7470A

SVOCs 8270C

VOCs 8260B

Installed 1" PVC well. Screen 20-30'.



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME:

LOCATION:

CLIENT:

Project Yankee
Blauvelt, NY
Southwire Company

FIELD BORING LOG

Boring No.:

Page No.:

B-2
1623

Contractor:	ADT	Driller:	Chris Capobianco	Date Started:	5/12/10	Refusal Depth:	14.4
Method:	Direct Push	Water Depth:	NA	Date Finished:	5/20/10	Rock Cored (FT):	NA
Elevation:	NA	Soil Drilled:	14 (More later)	Total Depth:	30 ft.	Casing Size:	NA
Logged By:	Reed W. Gjak	Checked By:		Screened Interval:	20-30 ft.	Core Size:	2 inch Macro core

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-7"	NA	B-200	2'8"	Grab	Asphalt.				See Notes
	7'-28"		Metals			Red-brown silt, Trace F, M, C Sand, Trace F gravel. Fractured cobbles. Poorly sorted. Silt. Damp.	ML	0.0		
5			B-2000S							
5	3.5-5'		SVOCs	2'6"		Red brown silt, Trace F & M Sand, little F gravel. Fractured sandstone throughout. Poorly sorted. Silt. Damp. Refusal 14.	ML	0.0		
			16:30			Move 1 foot. Drive to 15'. Re				
			VOCs			↓ Same as above. ↓ ↓	ML	0.0		
10						Material				
10	0-2'8"			2'8"						
14						Could not drive to 15'. Something hard. Kicked rod at 1 foot. Move off 1 foot. Try #3. Refusal @ 4' bgs.				
						End of using geoprobe on B-2.				

Notes

Metals 6010 B/7470A
SVOCs 8270C
VOCs 8260B

Contractor:	ADT	Driller:	Chris Capobianco	Date Started:	5/12/10	Refusal Depth:	20 ft
Method:	HSA - 2 in split spoon	Water Depth:	Not reached	Date Finished:	5/13/10	Rock Cored (FT):	NA
Elevation:	NA	Soil Drilled:	20 ft.	Total Depth:	30 20 ft.	Casing Size:	NA
Logged By:	Rick Walzak	Checked By:		Screened Interval:	NA	Core Size:	6 inch bore hole 3.25 inch augers

[illegible]

Notes

Metals 6010 B/ 7470 A
SVOCs 8270 B
VOCs 8260 B

No samples collected.

Contractor: <i>ADT</i>	Driller: <i>Joe McGill</i>	Date Started: <i>5/12/10</i>	Refusal Depth: <i>None</i>
Method: <i>Sonic Drill</i>	Water Depth: <i>Not determined</i>	Date Finished: <i>5/20/10</i>	Rock Cored (FT): <i>No back</i>
Elevation: _____	Soil Drilled: <i>30 ft.</i>	Total Depth: <i>30 ft.</i>	Casing Size: <i>5 inch</i>
Logged By: <i>Rick Wajack</i>	Checked By: _____	Screened Interval: <i>20-30ft.</i>	Core Size: <i>3 inch Sampler.</i>

[illegible]

Notes

VOCs 8260B
SVOCs 8270C
Metals 6010
Soxhlet extraction.
Well set at 28°

Casing spun w/ water. Sample wet.
Water assumed at 21-22 ft based on previous
drilling/site knowledge. Water level impossible
to toll drilling with water. Soil on top 6" wet
from drilling water. Boulder dry.
Sampled top 6 inches from 20'-20.5'.



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME:

LOCATION:

CLIENT:

Project Yankee
Blauvelt, NY
Southwire Co.

FIELD BORING LOG

Boring No.:

Page No.:

B-3

1 of 1

Contractor: <u>ADT</u>	Driller: <u>Ton Sheerin</u>	Date Started: <u>5/24/10</u>	Refusal Depth: <u>None</u>
Method: <u>Sonic Drill</u>	Water Depth: <u>24'</u>	Date Finished: <u>5/24/10</u>	Rock Cored (FT): <u>None</u>
Elevation: <u> </u>	Soil Drilled: <u>35' 34'</u>	Total Depth: <u>35' 34'</u>	Casing Size: <u>5 inch</u>
Logged By: <u>Rick Wofels</u>	Checked By: <u> </u>	Screened Interval: <u>25-35</u> <u>23-33'</u>	Core Size: <u>3 inch samples</u>

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-5"	NA	B-30001	4'	Grab	Grass, Sandy Silt top soil.				
5	5"-4'		15-55			Red-brown Silt, Trace F+C gravel, Trace C sand. Well graded. Damp.	ML	NA	See Notes	See Notes
5				3'10"		Red-brown silt, Trace clay, Trace C sand, Trace F+C gravel, 1 cobble, Fractured rock bottom 5 inches. Well graded. Moist. Damp. Soft at 5 grading to Very stiff at 10.	Till			
10										
10	0-6"			3'11"		Sluff or scraped wells from above.				
	6-33"					Boulder continued from above. 2 4'9" boulders.				
15	3'3"-3'11"					Red-brown Silt, Trace C sand, Some F+C gravel. Well graded. Hard. Dry.	Till			
15				3'6"		Red Brown Silt, Trace clay, Trace C sand, Some F+C gravel. Well graded. Very Stiff. Damp.	Till			
20						Bottom 1 ft. Fractured cobble + silt Till mixed intermittent.				
20	Top 2 ft. B-30122		3'			Same as above the fractured cobble.	Till			
25	Bottom 1 ft. 19:00					Fractured cobble or boulder. Appeared wet at 24'. Difficult to say as extreme heat cooked out water.				
						Samples locked in rock at 29 ft. bgs. Begin spinning 5 in casing w/ water. Drill direct to 30. 35 ft and without sampling.				

Notes

VOCs 8260B
SVOCs 8270C
Metals 6010

Install 1" PVC well at 35' 34'



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME: Project Yankee
 LOCATION: Blaauvelt, NY
 CLIENT: Southwice Co.

FIELD BORING LOG

Boring No.: B-4

Page No.:

Contractor: ADT	Driller: Tom Sheerin	Date Started: 5/24/10	Refusal Depth: NA
Method: Sonic Drill	Water Depth: 22 ft.	Date Finished: 5/24/10	Rock Cored (FT): NA
Elevation:	Soil Drilled: 30 ft.	Total Depth: 30 ft.	Casing Size: NA
Logged By: Rick Wyzak	Checked By:	Screened Interval: 20-30 ft.	Core Size: 3 inch

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-11"	NA	B-40001	2'6"	Grab	Grass, Brown sandy silt top soil. Red brown silt, Trace F sand, Trace F+C Gravel, Trace cobble. Well graded. Soft. Moist.	ML	NA	See notes	See Notes
	11"-1'0"		11:20			Fractured cobble.	Till			
	1'0"-2'2"					Red Brown F sand, Some Silt, Some F gravel. Fractured cobble. Well graded. Moist.	SW			
5	2'2"-2'6"									
5	5'			3'6"		Brown Silt, Trace F sand, Little F+C Gravel. Very Hard. Well graded. Damp.	Till			
10	10'					Barrired asphalt at 10 ft.				
10	0-4"			3'7"		Same as above.	Till			
	4"-2'3"		B-41112			Grey Brown Silt, Some F sand, Trace F+C Gravel. Roots/organic decay. Well graded.	ML		Graded Undetermined	
	2'3"-2'11"		12:45		Damp	Brown Silt And F sand. Poorly Sorted. Moist.	ML		graded.	
15	2'11"-3'7"					Red Brown F sand, Some Silt, Trace C sand. Trace F gravel. Poorly sorted. Moist.	SP		graded.	
15	0-11"			3'6"		Brown Silt, Trace F sand. Transitions to Grey brown. Soft. Moist. Poor graded.	ML			
20	11"-3'6"					Red brown F sand, Trace M-C sand, Some F+C gravel. Well graded. Moist.	SW			
20	0-10"			2'10"		Silty Sluff (scraped sides from above)				
	10"-1'2"					Same as Red brown gravelly sand as above.	SW			
	1'2"-2'10"					Red-brown F sand, Trace C sand, Trace F gravel. Poorly Graded. Wet at 22'.	SP			
25						Drill to 30' bgs no sampling.				

Notes

VOCs 8260B
 SVOCs 8270C
 Metals 6010

Install 1 inch well at 30 ft bgs.

Second sample collected from 11 feet bgs and not just above water table. Soils appear unimpacted above water table. Soils at 11 feet were just below buried asphalt and appeared grey in color + had an undetermined odor. This 11 ft depth interval was submitted for analysis.



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME:

LOCATION:

CLIENT:

Project Yankee
Blauvelt, NY
Southwire Co.

FIELD BORING LOG

Boring No.:

Page No.:

B-5

1 of 1

Contractor: ADT	Driller: Tam Sheerin	Date Started: 5/24/10	Refusal Depth: None
Method: Sonic Drill	Water Depth: 26 ft.	Date Finished: 5/24/10	Rock Cored (FT): None
Elevation:	Soil Drilled: 35 ft.	Total Depth: 35 ft.	Casing Size: NA
Logged By: Rick Wegatz	Checked By:	Screened Interval: 25-35 ft.	Core Size: 3 inch

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-11"	NA	B-50005	2'4"	Grab	Brown F sand, And silt. Little F+C gravel. Well graded. Loose. Damp.	SW	NA	See Notes	See Notes
	11-24"					Grey w/ same description. Old city odor.	SW			
5	24" to 28"					Red brown F sand, Some silt, Some F gravel, Trace C gravel. Well graded. Loose. Damp.	SW			
5	0-7"			2'3"		Grey-Brown Sand Silt, Trace F+C Gravel. Well graded. Moist.	ML			
	7" to 2'3"		1'9"			Red-Brown F sand, Some F gravel, Little C gravel. Well graded.	SW			
	1'9" to 11"					Fractured cobble.				
10	1'11" to		2'3"			Red-brown Silt, Trace clay.	ML			
10	0-10"			3'3"		Cave in from above.				
	10" to 2'3"		1'7"			Red-brown F sand, Trace M+C sand. Moist. Uniform.	SP			
	1'7" to		2'1"			Red-brown F sand. Uniform.	SP			
	2'1" to		2'10"			Same as 10" to 1'7"	SP			
15	0-10"		3'3"			Red-brown Very F sand. Uniform. Moist.	SP			
15	0-11"			3'3"		Cave in from above.				
	11" to 1'8"					Red-brown F sand, Trace silt. Uniform.	SP			
	1'8" to 2'6"					Red-brown Silty sand. Uniform. Moist.	SP			
20	2'6" to		3'3"			Red-brown F sand, Some silt.	SP			
20				2'5"		0-9" Cave in. 9-2'5" Red Brown F sand. Uniform. Except 1'1" to 1'5" Red brown silt-sand	SP			
25			B-52526	3'7"		Wet at. 26'. Top 10" Cave in. 10"-3'7" SP				
30			10:20			Brown F-M sand. Trace C sand. Trace F+C gravel. Poorly Graded.				

Notes

VOCs 8260 B
SVOCs 8270 C
Metals 6010

Samples also collected: B-50005 DUP
B-50005 MS
B-50005 MSD

1" Well installed
at 35' bgs.
Drill w/o sampling
30-35'.



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME: Project Yankee
LOCATION: Blauvelt, NY
CLIENT: Southwire Co.

FIELD BORING LOG

Boring No.: B-6
Page No.: 1 of 1

Contractor: AOT	Driller: Joe McGill	Date Started: 5/18/10	Refusal Depth: None
Method: Sonic Drill	Water Depth: 25'	Date Finished: 5/18/10	Rock Cored (FT): None
Elevation:	Soil Drilled: 35'	Total Depth: 35'	Casing Size: NA
Logged By: Rick Wajack	Checked By:	Screened Interval: 25-35'	Core Size: 3 inch

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-7"	NA	B-60001	29"	Grp	Asphalt.	NA	NA	See Notes	See Notes
	7"-11"		11:30			Grey Sand and gravel sub-base				
	11"-17"					Red-brown F Sand. Some Silt. Some F+C				
	17"-23"					Gravel. well graded. Damp.	SL			
5	23"-29"					Fractured cobbles				
5				3'4"		Brown F-M sand, Some F+C gravel.	SL			
						Cobbles throughout. Fractured cobbles at base. Well graded. Damp.				
10										
10	0-2'1"			2'1"		Same as above.	SL			
15	2'1"-2'11"					Brown F sand. Silty Sand. Uniform. Damp.	SM			
15	0-1'7"			3'11"		Brown F sand, Trace Silt, Trace M+C sand, Some F+C gravel. Well graded. Moist.	SL			
	1'7"-3'11"					Red brown Sandy Silt, Some F+C gravel. Cobbles throughout. Well graded. Moist.	Till			
20										
20			B-60324	3'6"		Brown F sand, Trace Silt, Trace M-C sand, Some F+C gravel. Fractured cobbles throughout. Boulder core at 24'. Well graded. damp. Sand stone boulder.	Till			
			12:35							
25						Entire interval saturated. Red-brown Silt, Some F sand, Trace C sand, Little F+C Gravel. Cobbles throughout. Well graded. Saturated.	Till			
25										
30						Drill to 35 no logging. Install well.				
						End of Boring.				

Notes

VOCs
SVOCs
Metals

Upper sample from 1st native soil beneath Asphalt base.
1" Temp. PVC well screened 25-35'



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME: Project Yankee
 LOCATION: 100 Bradley Parkway
 CLIENT: Southwire Co.

FIELD BORING LOG

Boring No.: B-7Page No.: 1 of 1

Contractor: <u>ADT</u>	Driller: <u>Joe McGill</u>	Date Started: <u>5/18/10</u>	Refusal Depth: <u>None</u>
Method: <u> Sonic Drilling</u>	Water Depth: <u>22'</u>	Date Finished: <u>5/18/10</u>	Rock Cored (FT): <u>None</u>
Elevation:	Soil Drilled: <u>35'</u>	Total Depth: <u>35'</u>	Casing Size: <u>NA</u>
Logged By: <u>Rick Wajack</u>	Checked By:	Screened Interval: <u>25-35'</u>	Core Size: <u>3 inch</u>

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/Feet	Sample Designation	Recovery (inches)	Sample Type					
0		NA	B-70001	2'2"	Grab	0-1 ft 2" Asphalt + gravel sub-base.		NA		See Notes
			9.45			1-2-2'2" Red brown F sand. Little Silt., Trace F+C gravel. Well graded.	SW			
5										
5	0-1'4"			3'9"		Brown F Sand, Poorly Graded, Red brown Silt. and Clay, Poorly Graded Very Soft, Deep.	SW			
	1'4"-2'						ML			
10	2'-3'9"					Red-brown F sand, Trace Silt, Uniform.	SW			
10				2'8"		Red-brown F sand, Some Silt. Uniform	SW			
15										
15	0-1'2"			2'8"		Red-brown F sand, Trace M sand. Trace Silt. Uniform.	SW			
	1-2' 1-10"					Red-brown Sandy Silt.	ML			
20	1-10"-1'8"					Light Brown F sand. Uniform.	SW			
20	20-22	B-72122	10.30	2'8"	Grab	Brown Sandy Silt, Trace C gravel. Water at 22'	ML		1" well	
	22-24					Brown Sandy Silt. Uniform. Saturated	ML			
25	24-25					Brown F sand, Little Silt. Trace C gravel. Well graded. Wet.	SM			
						Borehole advance from 25 to 35 w/o soil logging. 1" well set @ 35' bps.			Well Screened 25-35'	
						End of Boring.				

Notes

VOCs
 SVOCs
 Metals



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME:

Project Yankee

LOCATION:

Blauvelt, NY

CLIENT:

Southwest Co.

FIELD BORING LOG

Boring No.:

B-8

Page No.:

1 of 1

Contractor:	ADT	Driller:	Joe McGill	Date Started:	5/13/10	Refusal Depth:	None
Method:	Sonic drill	Water Depth:	16'-18'	Date Finished:	5/18/10	Rock Cored (FT):	None
Elevation:		Soil Drilled:	28'	Total Depth:	28'	Casing Size:	3 NA
Logged By:	Rick Wefel	Checked By:		Screened Interval:	18-28	Core Size:	3 inch

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/foot	Sample Designation	Recovery (inches)	Sample Type					
0		NA	B-80001	25"	Grnd	Brown F-M Sand, Trace C Sand, Trace F+C gravel, well graded. Rain wet.	SW	NA	See Notes	See Notes
5	0-1'10"		14:10			Same as above.	SW			
10	1'0-3'6"			3'6"		Brown F Sand. Uniform. Moist.	SP			
10	0-1'10"			2'10"		Brown F-M Sand. Uniform Moist.	SP			
15	1'0-2'0"					Red brown Silty Sand. Uniform. Moist.	SD			
15	3'6-4'0"		B-81516	3'6"		Brown F-M Sand. Trace C Sand. Trace F + C Gravel. Poorly graded. Wet.	SP			
	0-1'		14:40			Red-brown F sand, And Silt, Trace F + C gravel. Wet.	SM			
	1-2'					Red-brown silt, Little clay, Little F + C gravel, Trace F sand. Well graded. Saturated.	ML Till			
20	2-3'6"									
						Drill strat to 28'. No samples. Install 1" well. Screened 18-28.				
						End of Boring				

Notes

VOCs 8260B
 VOCs 8001B
 SVOCs 8270C
 Metals 6010



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME:

LOCATION:

CLIENT:

Project Yankee
Blauvelt, NY
Southwire Co.

FIELD BORING LOG

Boring No.:

Page No.:

B-9

1 of 1

Contractor: ADT	Driller: Joe McGill	Date Started: 5/18/10	Refusal Depth: None
Method: Sonic Drill	Water Depth: 21 ft.	Date Finished: 5/19/10	Rock Cored (FT): NA
Elevation:	Soil Drilled: 29 ft.	Total Depth: 39 ft.	Casing Size: 5"
Logged By: Rick Wajak	Checked By:	Screened Interval: 19-29	Core Size: 3" sample core.

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/Foot	Sample Designation	Recovery (inches)	Sample Type					
0	0-18"	NA	B-90001	28"	Grab	Red-brown Silty Sand, Trace F+C, Trace gravel. Well graded.	SW	NA	NA	See notes
	18"		15:05			Red-brown F-M sand, Little F+C Gravel. Well graded. Rain Damp.	SW			
	2'6"					Red-brown F sand, And Silty. Uniform	SP			
5	2'6" to 2'8"					Same as above 5-10. Exception at 9" to 1'6" Red-brown F-M sand, Little Silty, Trace C Sand, Trace F gravel. Well graded.	SP			
5				7'11"			SW			
10							SP			
10	0-1'1"			3'5"		Brown F sand, Some Silty. Uniform.	SP			
	1'1"-2'					Red-brown F sand. Uniform. Moist.	SP			
	2'-3'5"					Red-brown Silty, Trace F Sand, Clay, F+C gravel. Well graded. Medium Stiff. Damp.	ML			
15							Till			
15	0-2'			4'7"	Re	Brown F sand, Some Silty. Trace F gravel. Poorly Sorted. Damp.	SP			
	2'-3'5"					Red-brown Silty, Trace Clay, Some F+C Gravel. Well graded. Soft. Moist.	ML			
20	3'5" to 4'7"					Bolder.				
20						End day 5/18/10				
			B-90025	1'3"	Grab	Start day 5/19/10				
			8:25			Soil → Red-brown silty. Trace Clay, Some F+C Gravel. Wet.	Till			
15						Rock → Sample 1/2 rock + fractured boulders.				
						End sampling.				

Notes

VOCs 8260B

VOCs 8021

SVOCs 8270

Metals 6010

Issues w passing bolder 19-20'. Run 5" casing down using waterover 3" sampler. Resume sampling @ 20'.

Water confirmed at 21 ft bgs. Install a 1" well to 29 ft.

Well logged by RHW.
Samples collected by MF.

Lower interval not sampled for 8021



MACTEC

Engineering and Consulting, Inc.

PROJECT NAME: Project Yankee
 LOCATION: Blauvelt, NY
 CLIENT: Southwire Co.

FIELD BORING LOG

Boring No.: B-10Page No.: 1 of 1

Contractor: <u>ADT</u>	Driller: <u>Joe McGill</u>	Date Started: <u>5/19/10</u>	Refusal Depth: <u>NA</u>
Method: <u>Soil Drill</u>	Water Depth: <u>22 ft.</u>	Date Finished: <u>5/19/10</u>	Rock Cored (FT): <u>NA</u>
Elevation: <u> </u>	Soil Drilled: <u>30 ft.</u>	Total Depth: <u>30'</u>	Casing Size: <u>NA</u>
Logged By: <u>Rick Wajak</u>	Checked By: <u> </u>	Screened Interval: <u>20-30'</u>	Core Size: <u>3 inch Sampler</u>

Elevation	Sample Information					Sample Description and Classification	Group Designation	PID Reading	Well/Piezometer Details	Lab Tests Performed
	Depth (feet)	Casing Blows/Feet	Sample Designation	Recovery (inches)	Sample Type					
0	0-8"	NA	B-100001	3'2"	Grab	Grass, Topsoil, Sandy Brown		NA	See Notes	See Notes
	8'-1'8"		9:00			Brown F Sand, Trace Silt, Trace F gravel.				
	1'8" to 3'2"					Brown F Sand. Uniform. Damp.	SP			
5	0-12"			3'9"		Same as above.				
5	12" to 3'9"					Red-Brown F sand, Little Silt.	SM			
10						Uniform. Damp.				
10	0-1'3"			4'		Same as above.	SM			
	1'3" to 4'0"					Red-Brown Silt, Trace Clay, Trace F sand.	ML			
15	1'10" - 4'					Brown F-M Sand, Trace C Sand.	SP			
						Poorly Graded. Damp				
15				3'7"		Brown F-M Sand. Uniform. Damp.	SP			
20		B-101920	9:40							
20	0-12"			4'		Stuff material from above.				
25	12" - 4'					Same as above. Wet 22' bgs.	SP			
						End of boring				

Notes

VOCs 8260B
 SVOCs 8270
 Metals 6010

Boring advanced 25-30 w/o sampling.
 Wet at 22' bgs.
 1" well installed. Screened 20-30'

APPENDIX B

MAY 2010 LABORATORY ANALYTICAL REPORTS

Analytical Report

Work Order: RTE0730

Project Description

New York State Project

New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, May 19, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
D12	Dilution required due to sample viscosity
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
P18	Lab to filter and preserve volumes.
P7	Sample filtered in lab.
R2	The RPD exceeded the acceptance limit.
Z3	The sample required a dilution, the surrogate spike concentration in the sample are reduced to a level where the recovery calculation does not provide useful information.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01 (MW-OS-13R - Water)						Sampled: 05/12/10 11:27		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Chloroform	5.3		1.0	0.34	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Tetrachloroethene	0.55	J	1.0	0.36	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.674		0.0020	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Chromium	0.0523		0.0040	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Nickel	0.0961		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.656	P7	0.0020	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Nickel	0.0895	P7	0.0100	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Sample ID: RTE0730-04 (MW-OS-13R-DUP - Water)						Sampled: 05/12/10 11:35		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Chloroform	4.9		1.0	0.34	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Tetrachloroethene	0.58	J	1.0	0.36	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.683		0.0020	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Chromium	0.0468		0.0040	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Nickel	0.0982		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.681		0.0020	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Chromium	0.0732		0.0040	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Nickel	0.106		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Sample ID: RTE0730-05 (RB-051210 - Water)						Sampled: 05/12/10 12:00		Recvd: 05/13/10 08:40		
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.0228		0.0020	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.0222	P7	0.0020	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Sample ID: RTE0731-01 (S-1 - Solid)						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trichlorobenzene	7.8	J	9.1	0.55	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
Chlorobenzene	5.1	J	9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	6700	D12,J	27000	460	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(a)pyrene	8100	D12,J	27000	640	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(b)fluoranthene	11000	D12,J	27000	510	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(ghi)perylene	6800	D12,J	27000	320	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(k)fluoranthene	4100	D12,J	27000	290	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Chrysene	8800	D12,J	27000	270	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	1600	D12,J	27000	310	ua/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-01 (S-1 - Solid) - cont.					Sampled: 05/12/10 12:45			Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Fluoranthene	18000	D12,J	27000	380	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	6100	D12,J	27000	730	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Phenanthrene	7600	D12,J	27000	560	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Pyrene	14000	D12,J	27000	170	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	48.2		0.773	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Cadmium	0.332		0.309	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Chromium	21.7		0.773	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Copper	69.6		1.5	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Lead	108		1.5	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Nickel	15.2		7.73	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Zinc	169		3.1	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Mercury	0.0942		0.0289	NR	mg/kg dry	1.00	05/14/10 15:34	MXM	10E1042	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	62		0.010	NR	%	1.00	05/14/10 08:47	JR	10E1038	Dry Weight
Sample ID: RTE0731-02 (S-2 - Solid)					Sampled: 05/12/10 13:00			Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trichlorobenzene	8.3	J	12	0.71	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
Chlorobenzene	5.6	J	12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	1100	D12,J	7400	130	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(a)pyrene	1900	D12,J	7400	180	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(b)fluoranthene	4000	D12,J	7400	140	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(ghi)perylene	2200	D12,J	7400	88	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(k)fluoranthene	1400	D12,J	7400	81	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Chrysene	2200	D12,J	7400	73	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	420	D12,J	7400	86	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Fluoranthene	3300	D12,J	7400	110	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	1800	D12,J	7400	200	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Phenanthrene	960	D12,J	7400	150	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Pyrene	2600	D12,J	7400	48	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	43.8		1.07	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Chromium	17.4		1.07	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Copper	36.4		2.1	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Lead	58.2		2.1	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Nickel	12.6		10.7	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Zinc	76.5		4.3	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Mercury	0.0896		0.0430	NR	mg/kg dry	1.00	05/14/10 15:41	MXM	10E1042	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	45		0.010	NR	%	1.00	05/14/10 08:49	JR	10E1038	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-03 (B-100 - Solid)						Sampled: 05/12/10 13:50		Recvd: 05/13/10 08:40		
Total Metals by SW 846 Series Methods										
Arsenic	3.1		2.6	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Barium	55.8		0.652	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Chromium	11.0		0.652	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Copper	13.4		1.3	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Lead	45.1		1.3	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Nickel	11.4		6.52	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Zinc	50.8		2.6	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Mercury	0.0575		0.0226	NR	mg/kg dry	1.00	05/14/10 15:43	MXM	10E1042	7471A
General Chemistry Parameters										
Percent Solids	81		0.010	NR	%	1.00	05/16/10 09:50	BML	10E1207	Dry Weight
Sample ID: RTE0731-04 (B-200 - Solid)						Sampled: 05/12/10 15:00		Recvd: 05/13/10 08:40		
Total Metals by SW 846 Series Methods										
Arsenic	2.2		2.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Barium	45.2		0.527	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Chromium	8.50		0.527	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Copper	50.2		1.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Lead	9.4		1.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Nickel	12.7		5.27	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Zinc	37.5		2.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
General Chemistry Parameters										
Percent Solids	93		0.010	NR	%	1.00	05/16/10 09:52	BML	10E1207	Dry Weight
Sample ID: RTE0731-05 (B-10005 - Solid)						Sampled: 05/12/10 16:25		Recvd: 05/13/10 08:40		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trichlorobenzene	2.9	J	4.9	0.30	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Acetone	10	J	25	4.1	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	10	J	180	3.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(b)fluoranthene	8.3	J	180	3.4	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Fluoranthene	12	J	180	2.5	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Pyrene	10	J	180	1.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
General Chemistry Parameters										
Percent Solids	95		0.010	NR	%	1.00	05/14/10 08:51	JR	10E1038	Dry Weight
Sample ID: RTE0731-06 (B-20005 - Solid)						Sampled: 05/12/10 16:30		Recvd: 05/13/10 08:40		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trichlorobenzene	2.2	J	4.9	0.30	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
General Chemistry Parameters										
Percent Solids	90		0.010	NR	%	1.00	05/14/10 08:53	JR	10E1038	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/19/10 16:02

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-OS-13R	RTE0730-01	Water	05/12/10 11:27	05/13/10 08:40	P18
MW-OS-13R-DUP	RTE0730-04	Water	05/12/10 11:35	05/13/10 08:40	
RB-051210	RTE0730-05	Water	05/12/10 12:00	05/13/10 08:40	
TRIP BLANK	RTE0730-06	Water	05/12/10	05/13/10 08:40	
Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
S-1	RTE0731-01	Solid	05/12/10 12:45	05/13/10 08:40	
S-2	RTE0731-02	Solid	05/12/10 13:00	05/13/10 08:40	
B-100	RTE0731-03	Solid	05/12/10 13:50	05/13/10 08:40	
B-200	RTE0731-04	Solid	05/12/10 15:00	05/13/10 08:40	
B-10005	RTE0731-05	Solid	05/12/10 16:25	05/13/10 08:40	
B-20005	RTE0731-06	Solid	05/12/10 16:30	05/13/10 08:40	

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01 (MW-OS-13R - Water)						Sampled: 05/12/10 11:27		Recvd: 05/13/10 08:40		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Chloroform	5.3		1.0	0.34	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Tetrachloroethene	0.55	J	1.0	0.36	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01 (MW-OS-13R - Water) - cont.						Sampled: 05/12/10 11:27		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/14/10 15:44	LH	10E1088	8260B
1,2-Dichloroethane-d4	94 %		Surr Limits: (66-137%)				05/14/10 15:44	LH	10E1088	8260B
4-Bromofluorobenzene	85 %		Surr Limits: (73-120%)				05/14/10 15:44	LH	10E1088	8260B
Toluene-d8	100 %		Surr Limits: (71-126%)				05/14/10 15:44	LH	10E1088	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4-Dinitrophenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Chlorophenol	ND		4.8	0.51	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Methylnaphthalene	ND		4.8	0.57	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Nitroaniline	ND		9.6	0.40	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
3-Nitroaniline	ND		9.6	0.46	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Methylphenol	ND		9.6	0.34	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Nitroaniline	ND		9.6	0.24	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
4-Nitrophenol	ND		9.6	1.5	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Acetophenone	ND		4.8	0.52	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzaldehyde	ND		4.8	0.26	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01 (MW-OS-13R - Water) - cont.						Sampled: 05/12/10 11:27		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Chrysene	ND		4.8	0.32	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Dibenzofuran	ND		9.6	0.49	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Diethyl phthalate	ND		4.8	0.21	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Di-n-butyl phthalate	ND		4.8	0.30	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Fluorene	ND		4.8	0.34	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Hexachloroethane	ND		4.8	0.56	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Isophorone	ND		4.8	0.41	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Naphthalene	ND		4.8	0.73	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
N-Nitrosodiphenylamine	ND	L	4.8	0.49	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Pentachlorophenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
Pyrene	ND		4.8	0.33	ug/L	1.00	05/16/10 15:31	RAR	10E0988	8270C
2,4,6-Tribromophenol	107 %		Surr Limits: (52-132%)				05/16/10 15:31	RAR	10E0988	8270C
2-Fluorobiphenyl	84 %		Surr Limits: (48-120%)				05/16/10 15:31	RAR	10E0988	8270C
2-Fluorophenol	46 %		Surr Limits: (20-120%)				05/16/10 15:31	RAR	10E0988	8270C
Nitrobenzene-d5	76 %		Surr Limits: (46-120%)				05/16/10 15:31	RAR	10E0988	8270C
Phenol-d5	34 %		Surr Limits: (16-120%)				05/16/10 15:31	RAR	10E0988	8270C
p-Terphenyl-d14	59 %		Surr Limits: (24-136%)				05/16/10 15:31	RAR	10E0988	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Barium	0.674		0.0020	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Chromium	0.0523		0.0040	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Nickel	0.0961		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/14/10 21:33	DAN	10E1005	6010B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01 (MW-OS-13R - Water) - cont.						Sampled: 05/12/10 11:27		Recvd: 05/13/10 08:40		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Mercury	ND		0.0002	NR	mg/L	1.00	05/14/10 14:17	MXM	10E1043	7470A
<u>Dissolved Metals by SW 846 Series Methods</u>										
Arsenic	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Barium	0.656	P7	0.0020	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Cadmium	ND	P7	0.0010	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Chromium	ND	P7	0.0040	NR	mg/L	1.00	05/18/10 12:27	DAN	10E1127	6010B
Copper	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Lead	ND	P7	0.0050	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Nickel	0.0895	P7	0.0100	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Selenium	ND	P7	0.0150	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Silver	ND	P7	0.0030	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Tin	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 12:27	DAN	10E1127	6010B
Zinc	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 00:42	DAN	10E1127	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/17/10 19:41	MXM	10E1239	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-01RE1 (MW-OS-13R - Water)					Sampled: 05/12/10 11:27			Recvd: 05/13/10 08:40		
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND	P7	0.0200	NR	mg/L	1.00	05/18/10 19:00	DAN	10E1392	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

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Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-04 (MW-OS-13R-DUP - Water)						Sampled: 05/12/10 11:35		Recvd: 05/13/10 08:40		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Chloroform	4.9		1.0	0.34	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Tetrachloroethene	0.58	J	1.0	0.36	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-04 (MW-OS-13R-DUP - Water) - cont.						Sampled: 05/12/10 11:35		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/14/10 16:56	LH	10E1088	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				05/14/10 16:56	LH	10E1088	8260B
4-Bromofluorobenzene	86 %		Surr Limits: (73-120%)				05/14/10 16:56	LH	10E1088	8260B
Toluene-d8	99 %		Surr Limits: (71-126%)				05/14/10 16:56	LH	10E1088	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4-Dinitrophenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Chlorophenol	ND		4.8	0.51	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Methylnaphthalene	ND		4.8	0.58	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Nitroaniline	ND		9.6	0.40	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
3-Nitroaniline	ND		9.6	0.46	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Chloroaniline	ND		4.8	0.57	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Methylphenol	ND		9.6	0.35	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Nitroaniline	ND		9.6	0.24	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
4-Nitrophenol	ND		9.6	1.5	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Acenaphthylene	ND		4.8	0.37	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Acetophenone	ND		4.8	0.52	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzaldehyde	ND		4.8	0.26	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzo(a)anthracene	ND		4.8	0.35	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzo(ghi)perylene	ND		4.8	0.34	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Biphenyl	ND		4.8	0.63	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-04 (MW-OS-13R-DUP - Water) - cont.						Sampled: 05/12/10 11:35		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Chrysene	ND		4.8	0.32	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Dibenzofuran	ND		9.6	0.49	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Diethyl phthalate	ND		4.8	0.21	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Dimethyl phthalate	ND		4.8	0.35	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Di-n-butyl phthalate	ND		4.8	0.30	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Fluorene	ND		4.8	0.35	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Hexachloroethane	ND		4.8	0.57	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Isophorone	ND		4.8	0.41	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Naphthalene	ND		4.8	0.73	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
N-Nitrosodiphenylamine	ND	L	4.8	0.49	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Pentachlorophenol	ND		9.6	2.1	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Phenol	ND		4.8	0.38	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
Pyrene	ND		4.8	0.33	ug/L	1.00	05/16/10 15:55	RAR	10E0988	8270C
2,4,6-Tribromophenol	105 %		Surr Limits: (52-132%)				05/16/10 15:55	RAR	10E0988	8270C
2-Fluorobiphenyl	85 %		Surr Limits: (48-120%)				05/16/10 15:55	RAR	10E0988	8270C
2-Fluorophenol	49 %		Surr Limits: (20-120%)				05/16/10 15:55	RAR	10E0988	8270C
Nitrobenzene-d5	77 %		Surr Limits: (46-120%)				05/16/10 15:55	RAR	10E0988	8270C
Phenol-d5	37 %		Surr Limits: (16-120%)				05/16/10 15:55	RAR	10E0988	8270C
p-Terphenyl-d14	61 %		Surr Limits: (24-136%)				05/16/10 15:55	RAR	10E0988	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Barium	0.683		0.0020	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Chromium	0.0468		0.0040	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Nickel	0.0982		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/14/10 22:11	DAN	10E1005	6010B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-04 (MW-OS-13R-DUP - Water) - cont.					Sampled: 05/12/10 11:35			Recvd: 05/13/10 08:40		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Mercury	ND		0.0002	NR	mg/L	1.00	05/14/10 14:24	MXM	10E1043	7470A
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Barium	0.681		0.0020	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Chromium	0.0732		0.0040	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Nickel	0.106		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/17/10 13:45	DAN	10E1131	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/17/10 19:33	MXM	10E1238	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RTE0730-05 (RB-051210 - Water)						Sampled: 05/12/10 12:00		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-05 (RB-051210 - Water) - cont.						Sampled: 05/12/10 12:00		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/14/10 17:20	LH	10E1088	8260B
1,2-Dichloroethane-d4	101 %		Surr Limits: (66-137%)				05/14/10 17:20	LH	10E1088	8260B
4-Bromofluorobenzene	88 %		Surr Limits: (73-120%)				05/14/10 17:20	LH	10E1088	8260B
Toluene-d8	98 %		Surr Limits: (71-126%)				05/14/10 17:20	LH	10E1088	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4-Dichlorophenol	ND		4.7	0.48	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4-Dimethylphenol	ND		4.7	0.47	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4-Dinitrophenol	ND		9.4	2.1	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Chloronaphthalene	ND		4.7	0.43	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Chlorophenol	ND		4.7	0.50	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Methylnaphthalene	ND		4.7	0.57	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Methylphenol	ND		4.7	0.38	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Nitroaniline	ND		9.4	0.40	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2-Nitrophenol	ND		4.7	0.45	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
3-Nitroaniline	ND		9.4	0.45	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Chloroaniline	ND		4.7	0.56	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Methylphenol	ND		9.4	0.34	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Nitroaniline	ND		9.4	0.24	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Acenaphthene	ND		4.7	0.39	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Acenaphthylene	ND		4.7	0.36	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Acetophenone	ND		4.7	0.51	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Anthracene	ND		4.7	0.26	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Atrazine	ND		4.7	0.43	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzo(a)anthracene	ND		4.7	0.34	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzo(a)pyrene	ND		4.7	0.44	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzo(ghi)perylene	ND		4.7	0.33	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Biphenyl	ND		4.7	0.62	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		4.7	0.49	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Bis(2-ethylhexyl)phthalate	ND		4.7	1.7	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0730-05 (RB-051210 - Water) - cont.

Sampled: 05/12/10 12:00

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		4.7	0.40	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Caprolactam	ND		4.7	2.1	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Chrysene	ND		4.7	0.31	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.40	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Dibenzofuran	ND		9.4	0.48	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Diethyl phthalate	ND		4.7	0.21	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Dimethyl phthalate	ND		4.7	0.34	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Di-n-butyl phthalate	ND		4.7	0.29	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Di-n-octyl phthalate	ND		4.7	0.44	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Fluoranthene	ND		4.7	0.38	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Fluorene	ND		4.7	0.34	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Hexachlorobenzene	ND		4.7	0.48	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Hexachlorobutadiene	ND		4.7	0.64	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Hexachloroethane	ND		4.7	0.56	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Isophorone	ND		4.7	0.41	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Naphthalene	ND		4.7	0.72	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Nitrobenzene	ND		4.7	0.27	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
N-Nitrosodiphenylamine	ND	L	4.7	0.48	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Pentachlorophenol	ND		9.4	2.1	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Phenanthrene	ND		4.7	0.42	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Phenol	ND		4.7	0.37	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
Pyrene	ND		4.7	0.32	ug/L	1.00	05/16/10 16:20	RAR	10E0988	8270C
2,4,6-Tribromophenol	109 %		Surr Limits: (52-132%)				05/16/10 16:20	RAR	10E0988	8270C
2-Fluorobiphenyl	90 %		Surr Limits: (48-120%)				05/16/10 16:20	RAR	10E0988	8270C
2-Fluorophenol	52 %		Surr Limits: (20-120%)				05/16/10 16:20	RAR	10E0988	8270C
Nitrobenzene-d5	82 %		Surr Limits: (46-120%)				05/16/10 16:20	RAR	10E0988	8270C
Phenol-d5	39 %		Surr Limits: (16-120%)				05/16/10 16:20	RAR	10E0988	8270C
p-Terphenyl-d14	86 %		Surr Limits: (24-136%)				05/16/10 16:20	RAR	10E0988	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Barium	0.0228		0.0020	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/14/10 22:16	DAN	10E1005	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/14/10 14:26	MXM	10E1043	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-05 (RB-051210 - Water) - cont.						Sampled: 05/12/10 12:00		Recvd: 05/13/10 08:40		
<u>Dissolved Metals by SW 846 Series Methods</u>										
Arsenic	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Barium	0.0222	P7	0.0020	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Cadmium	ND	P7	0.0010	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Chromium	ND	P7	0.0040	NR	mg/L	1.00	05/18/10 12:52	DAN	10E1127	6010B
Copper	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Lead	ND	P7	0.0050	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Nickel	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Selenium	ND	P7	0.0150	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Silver	ND	P7	0.0030	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Tin	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 12:52	DAN	10E1127	6010B
Zinc	ND	P7	0.0100	NR	mg/L	1.00	05/18/10 01:08	DAN	10E1127	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/17/10 19:48	MXM	10E1239	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-05RE1 (RB-051210 - Water)					Sampled: 05/12/10 12:00			Recvd: 05/13/10 08:40		
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND	P7	0.0200	NR	mg/L	1.00	05/18/10 19:25	DAN	10E1392	6010B

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3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

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Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-06 (TRIP BLANK - Water)						Sampled: 05/12/10		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0730-06 (TRIP BLANK - Water) - cont.						Sampled: 05/12/10		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/14/10 17:44	LH	10E1088	8260B
1,2-Dichloroethane-d4	103 %		Surr Limits: (66-137%)				05/14/10 17:44	LH	10E1088	8260B
4-Bromofluorobenzene	86 %		Surr Limits: (73-120%)				05/14/10 17:44	LH	10E1088	8260B
Toluene-d8	100 %		Surr Limits: (71-126%)				05/14/10 17:44	LH	10E1088	8260B

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Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-01 (S-1 - Solid)						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	J	9.1	0.66	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,1,2,2-Tetrachloroethane	ND		9.1	1.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,1,2-Trichloroethane	ND		9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.1	2.1	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,1-Dichloroethane	ND		9.1	1.1	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,1-Dichloroethene	ND		9.1	1.1	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2,4-Trichlorobenzene	7.8		9.1	0.55	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dibromo-3-chloropropane	ND		9.1	4.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dibromoethane	ND		9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dichlorobenzene	ND		9.1	0.71	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dichloroethane	ND	J	9.1	0.45	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dichloropropane	ND		9.1	4.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,3-Dichlorobenzene	ND		9.1	0.47	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,4-Dichlorobenzene	ND		9.1	1.3	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
2-Butanone	ND		45	3.3	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
2-Hexanone	ND		45	4.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
4-Methyl-2-pentanone	ND		45	3.0	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
Acetone	ND		45	7.6	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
Benzene	ND		9.1	0.44	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
Bromodichloromethane	ND		9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
Bromoform	ND	9.1	4.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Bromomethane	ND	9.1	0.81	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Carbon disulfide	ND	9.1	4.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Carbon Tetrachloride	ND	9.1	0.88	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Chlorobenzene	5.1	9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Dibromochloromethane	ND	9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Chloroethane	ND	9.1	2.0	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Chloroform	ND	9.1	0.56	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Chloromethane	ND	9.1	0.55	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
cis-1,2-Dichloroethene	ND	9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
cis-1,3-Dichloropropene	ND	9.1	1.3	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Cyclohexane	ND	9.1	1.3	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Dichlorodifluoromethane	ND	9.1	0.75	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Ethylbenzene	ND	9.1	0.62	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Isopropylbenzene	ND	9.1	1.4	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Methyl Acetate	ND	9.1	1.7	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Methyl-t-Butyl Ether (MTBE)	ND	9.1	0.89	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Methylcyclohexane	ND	9.1	1.4	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Methylene Chloride	ND	9.1	4.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Styrene	ND	9.1	0.45	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Tetrachloroethene	ND	9.1	1.2	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Toluene	ND	9.1	0.68	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
trans-1,2-Dichloroethene	ND	9.1	0.93	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
trans-1,3-Dichloropropene	ND	9.1	4.0	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Trichloroethene	ND	9.1	2.0	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Trichlorofluoromethane	ND	9.1	0.86	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	
Vinyl chloride	ND	9.1	1.1	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-01 (S-1 - Solid) - cont.						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		18	1.5	ug/kg dry	1.00	05/13/10 20:17	PQ	10E0981	8260B
1,2-Dichloroethane-d4	102 %		Surr Limits: (64-126%)				05/13/10 20:17	PQ	10E0981	8260B
4-Bromofluorobenzene	102 %		Surr Limits: (72-126%)				05/13/10 20:17	PQ	10E0981	8260B
Toluene-d8	111 %		Surr Limits: (71-125%)				05/13/10 20:17	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND	D12	27000	5800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,4,6-Trichlorophenol	ND	D12	27000	1800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,4-Dichlorophenol	ND	D12	27000	1400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,4-Dimethylphenol	ND	D12	27000	7200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,4-Dinitrophenol	ND	D12	52000	9300	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,4-Dinitrotoluene	ND	D12	27000	4100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,6-Dinitrotoluene	ND	D12	27000	6500	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Chloronaphthalene	ND	D12	27000	1800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Chlorophenol	ND	D12	27000	1400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Methylnaphthalene	ND	D12	27000	320	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Methylphenol	ND	D12	27000	820	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Nitroaniline	ND	D12	52000	8500	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2-Nitrophenol	ND	D12	27000	1200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
3,3'-Dichlorobenzidine	ND	D12	27000	23000	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
3-Nitroaniline	ND	D12	52000	6100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4,6-Dinitro-2-methylphenol	ND	D12	52000	9200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Bromophenyl phenyl ether	ND	D12	27000	8400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Chloro-3-methylphenol	ND	D12	27000	1100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Chloroaniline	ND	D12	27000	7800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Chlorophenyl phenyl ether	ND	D12	27000	570	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Methylphenol	ND	D12	52000	1500	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Nitroaniline	ND	D12	52000	3000	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
4-Nitrophenol	ND	D12	52000	6400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Acenaphthene	ND	D12	27000	310	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Acenaphthylene	ND	D12	27000	220	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Acetophenone	ND	D12	27000	1400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Anthracene	ND	D12	27000	680	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Atrazine	ND	D12	27000	1200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzaldehyde	ND	D12	27000	2900	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(a)anthracene	6700	D12,J	27000	460	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(a)pyrene	8100	D12,J	27000	640	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(b)fluoranthene	11000	D12,J	27000	510	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(ghi)perylene	6800	D12,J	27000	320	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Benzo(k)fluoranthene	4100	D12,J	27000	290	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Biphenyl	ND	D12	27000	1700	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Bis(2-chloroethoxy)methane	ND	D12	27000	1400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Bis(2-chloroethyl)ether	ND	D12	27000	2300	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	27000	2800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	27000	8500	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0731-01 (S-1 - Solid) - cont.

Sampled: 05/12/10 12:45

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	D12	27000	7100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Caprolactam	ND	D12	27000	11000	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Carbazole	ND	D12	27000	310	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Chrysene	8800	D12,J	27000	270	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	1600	D12,J	27000	310	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Dibenzofuran	ND	D12	27000	280	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Diethyl phthalate	ND	D12	27000	800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Dimethyl phthalate	ND	D12	27000	690	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Di-n-butyl phthalate	ND	D12	27000	9200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Di-n-octyl phthalate	ND	D12	27000	620	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Fluoranthene	18000	D12,J	27000	380	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Fluorene	ND	D12	27000	610	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Hexachlorobenzene	ND	D12	27000	1300	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Hexachlorobutadiene	ND	D12	27000	1400	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Hexachlorocyclopentadiene	ND	D12	27000	8000	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Hexachloroethane	ND	D12	27000	2100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	6100	D12,J	27000	730	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Isophorone	ND	D12	27000	1300	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Naphthalene	ND	D12	27000	440	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Nitrobenzene	ND	D12	27000	1200	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
N-Nitrosodi-n-propylamine	ND	D12	27000	2100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
N-Nitrosodiphenylamine	ND	D12	27000	1500	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Pentachlorophenol	ND	D12	52000	9100	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Phenanthrene	7600	D12,J	27000	560	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Phenol	ND	D12	27000	2800	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C
Pyrene	14000	D12,J	27000	170	ug/kg dry	100	05/14/10 16:03	RAR	10E0989	8270C

2,4,6-Tribromophenol	*	D12,Z3	Surr Limits: (39-146%)				05/14/10 16:03	RAR	10E0989	8270C
2-Fluorobiphenyl	63 %	D12	Surr Limits: (37-120%)				05/14/10 16:03	RAR	10E0989	8270C
2-Fluorophenol	43 %	D12	Surr Limits: (18-120%)				05/14/10 16:03	RAR	10E0989	8270C
Nitrobenzene-d5	39 %	D12	Surr Limits: (34-132%)				05/14/10 16:03	RAR	10E0989	8270C
Phenol-d5	51 %	D12	Surr Limits: (11-120%)				05/14/10 16:03	RAR	10E0989	8270C
p-Terphenyl-d14	56 %	D12,Z3	Surr Limits: (58-147%)				05/14/10 16:03	RAR	10E0989	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		23.2	0.8	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Arsenic	ND		3.1	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Barium	48.2		0.773	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Cadmium	0.332		0.309	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Chromium	21.7		0.773	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Copper	69.6		1.5	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Lead	108		1.5	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Nickel	15.2		7.73	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Selenium	ND		6.2	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Silver	ND		0.773	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Tin	ND		3.1	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Zinc	169		3.1	NR	mg/kg dry	1.00	05/15/10 14:54	LMH	10E1084	6010B
Mercury	0.0942		0.0289	NR	mg/kg dry	1.00	05/14/10 15:34	MXM	10E1042	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-01 (S-1 - Solid) - cont.					Sampled: 05/12/10 12:45			Recvd: 05/13/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	62		0.010	NR	%	1.00	05/14/10 08:47	JR	10E1038	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-02 (S-2 - Solid)						Sampled: 05/12/10 13:00		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	J	12	0.85	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,1,2,2-Tetrachloroethane	ND		12	1.9	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,1,2-Trichloroethane	ND		12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	2.7	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,1-Dichloroethane	ND		12	1.4	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,1-Dichloroethene	ND		12	1.4	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2,4-Trichlorobenzene	8.3		12	0.71	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2-Dibromo-3-chloropropane	ND		12	5.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2-Dibromoethane	ND		12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2-Dichlorobenzene	ND		12	0.91	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2-Dichloroethane	ND	12	0.59	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
1,2-Dichloropropane	ND	12	5.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
1,3-Dichlorobenzene	ND	12	0.60	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
1,4-Dichlorobenzene	ND	12	1.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
2-Butanone	ND	58	4.3	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
2-Hexanone	ND	58	5.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
4-Methyl-2-pentanone	ND	58	3.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Acetone	ND	58	9.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Benzene	ND	12	0.57	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Bromodichloromethane	ND	12	1.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Bromoform	ND	12	5.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Bromomethane	ND	12	1.0	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Carbon disulfide	ND	12	5.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Carbon Tetrachloride	ND	12	1.1	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Chlorobenzene	5.6	J	12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
Dibromochloromethane	ND	12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Chloroethane	ND	12	2.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Chloroform	ND	12	0.72	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Chloromethane	ND	12	0.70	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
cis-1,2-Dichloroethene	ND	12	1.5	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
cis-1,3-Dichloropropene	ND	12	1.7	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Cyclohexane	ND	12	1.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Dichlorodifluoromethane	ND	12	0.96	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Ethylbenzene	ND	12	0.80	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Isopropylbenzene	ND	12	1.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Methyl Acetate	ND	12	2.2	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Methyl-t-Butyl Ether (MTBE)	ND	12	1.1	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Methylcyclohexane	ND	12	1.8	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Methylene Chloride	ND	12	5.4	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Styrene	ND	12	0.58	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Tetrachloroethene	ND	12	1.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Toluene	ND	12	0.88	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
trans-1,2-Dichloroethene	ND	12	1.2	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
trans-1,3-Dichloropropene	ND	12	5.1	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Trichloroethene	ND	12	2.6	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Trichlorofluoromethane	ND	12	1.1	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	
Vinyl chloride	ND	12	1.4	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-02 (S-2 - Solid) - cont.						Sampled: 05/12/10 13:00		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		23	2.0	ug/kg dry	1.00	05/13/10 20:42	PQ	10E0981	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (64-126%)				05/13/10 20:42	PQ	10E0981	8260B
4-Bromofluorobenzene	105 %		Surr Limits: (72-126%)				05/13/10 20:42	PQ	10E0981	8260B
Toluene-d8	108 %		Surr Limits: (71-125%)				05/13/10 20:42	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND	D12	7400	1600	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4,6-Trichlorophenol	ND	D12	7400	480	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4-Dichlorophenol	ND	D12	7400	390	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4-Dimethylphenol	ND	D12	7400	2000	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4-Dinitrophenol	ND	D12	14000	2600	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4-Dinitrotoluene	ND	D12	7400	1100	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,6-Dinitrotoluene	ND	D12	7400	1800	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Chloronaphthalene	ND	D12	7400	490	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Chlorophenol	ND	D12	7400	370	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Methylnaphthalene	ND	D12	7400	89	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Methylphenol	ND	D12	7400	230	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Nitroaniline	ND	D12	14000	2400	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2-Nitrophenol	ND	D12	7400	340	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
3,3'-Dichlorobenzidine	ND	D12	7400	6400	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
3-Nitroaniline	ND	D12	14000	1700	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4,6-Dinitro-2-methylphenol	ND	D12	14000	2500	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Bromophenyl phenyl ether	ND	D12	7400	2300	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Chloro-3-methylphenol	ND	D12	7400	300	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Chloroaniline	ND	D12	7400	2200	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Chlorophenyl phenyl ether	ND	D12	7400	160	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Methylphenol	ND	D12	14000	410	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Nitroaniline	ND	D12	14000	820	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
4-Nitrophenol	ND	D12	14000	1800	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Acenaphthene	ND	D12	7400	86	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Acenaphthylene	ND	D12	7400	60	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Acetophenone	ND	D12	7400	380	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Anthracene	ND	D12	7400	190	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Atrazine	ND	D12	7400	330	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzaldehyde	ND	D12	7400	810	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(a)anthracene	1100	D12,J	7400	130	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(a)pyrene	1900	D12,J	7400	180	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(b)fluoranthene	4000	D12,J	7400	140	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(ghi)perylene	2200	D12,J	7400	88	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Benzo(k)fluoranthene	1400	D12,J	7400	81	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Biphenyl	ND	D12	7400	460	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Bis(2-chloroethoxy)methane	ND	D12	7400	400	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Bis(2-chloroethyl)ether	ND	D12	7400	630	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND	D12	7400	770	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	7400	2400	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0731-02 (S-2 - Solid) - cont.

Sampled: 05/12/10 13:00

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	D12	7400	2000	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Caprolactam	ND	D12	7400	3200	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Carbazole	ND	D12	7400	85	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Chrysene	2200	D12,J	7400	73	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	420	D12,J	7400	86	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Dibenzofuran	ND	D12	7400	76	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Diethyl phthalate	ND	D12	7400	220	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Dimethyl phthalate	ND	D12	7400	190	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Di-n-butyl phthalate	ND	D12	7400	2500	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Di-n-octyl phthalate	ND	D12	7400	170	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Fluoranthene	3300	D12,J	7400	110	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Fluorene	ND	D12	7400	170	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Hexachlorobenzene	ND	D12	7400	370	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Hexachlorobutadiene	ND	D12	7400	380	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Hexachlorocyclopentadiene	ND	D12	7400	2200	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Hexachloroethane	ND	D12	7400	570	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	1800	D12,J	7400	200	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Isophorone	ND	D12	7400	370	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Naphthalene	ND	D12	7400	120	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Nitrobenzene	ND	D12	7400	330	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
N-Nitrosodi-n-propylamine	ND	D12	7400	580	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
N-Nitrosodiphenylamine	ND	D12	7400	400	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Pentachlorophenol	ND	D12	14000	2500	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Phenanthrene	960	D12,J	7400	150	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Phenol	ND	D12	7400	770	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
Pyrene	2600	D12,J	7400	48	ug/kg dry	20.0	05/16/10 18:21	RAR	10E0989	8270C
2,4,6-Tribromophenol	45 %	D12	Surr Limits: (39-146%)				05/16/10 18:21	RAR	10E0989	8270C
2-Fluorobiphenyl	58 %	D12	Surr Limits: (37-120%)				05/16/10 18:21	RAR	10E0989	8270C
2-Fluorophenol	41 %	D12	Surr Limits: (18-120%)				05/16/10 18:21	RAR	10E0989	8270C
Nitrobenzene-d5	43 %	D12	Surr Limits: (34-132%)				05/16/10 18:21	RAR	10E0989	8270C
Phenol-d5	55 %	D12	Surr Limits: (11-120%)				05/16/10 18:21	RAR	10E0989	8270C
p-Terphenyl-d14	58 %	D12	Surr Limits: (58-147%)				05/16/10 18:21	RAR	10E0989	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		32.0	1.2	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Arsenic	ND		4.3	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Barium	43.8		1.07	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Cadmium	ND		0.426	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Chromium	17.4		1.07	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Copper	36.4		2.1	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Lead	58.2		2.1	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Nickel	12.6		10.7	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Selenium	ND		8.5	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Silver	ND		1.07	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Tin	ND		4.3	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Zinc	76.5		4.3	NR	mg/kg dry	1.00	05/15/10 15:32	LMH	10E1084	6010B
Mercury	0.0896		0.0430	NR	mg/kg dry	1.00	05/14/10 15:41	MXM	10E1042	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
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Project: New York State Project
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Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-02 (S-2 - Solid) - cont.					Sampled: 05/12/10 13:00			Recvd: 05/13/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	45		0.010	NR	%	1.00	05/14/10 08:49	JR	10E1038	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-03 (B-100 - Solid)						Sampled: 05/12/10 13:50		Recvd: 05/13/10 08:40		
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		19.6	0.7	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Arsenic	3.1		2.6	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Barium	55.8		0.652	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Cadmium	ND		0.261	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Chromium	11.0		0.652	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Copper	13.4		1.3	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Lead	45.1		1.3	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Nickel	11.4		6.52	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Selenium	ND		5.2	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Silver	ND		0.652	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Tin	ND		2.6	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Zinc	50.8		2.6	NR	mg/kg dry	1.00	05/15/10 15:37	LMH	10E1084	6010B
Mercury	0.0575		0.0226	NR	mg/kg dry	1.00	05/14/10 15:43	MXM	10E1042	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	81		0.010	NR	%	1.00	05/16/10 09:50	BML	10E1207	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-04 (B-200 - Solid)						Sampled: 05/12/10 15:00		Recvd: 05/13/10 08:40		
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		15.8	0.6	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Arsenic	2.2		2.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Barium	45.2		0.527	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Cadmium	ND		0.211	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Chromium	8.50		0.527	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Copper	50.2		1.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Lead	9.4		1.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Nickel	12.7		5.27	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Selenium	ND		4.2	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Silver	ND		0.527	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Tin	ND		2.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Zinc	37.5		2.1	NR	mg/kg dry	1.00	05/15/10 15:42	LMH	10E1084	6010B
Mercury	ND		0.0213	NR	mg/kg dry	1.00	05/14/10 15:45	MXM	10E1042	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	93		0.010	NR	%	1.00	05/16/10 09:52	BML	10E1207	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-05 (B-10005 - Solid)						Sampled: 05/12/10 16:25		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		4.9	0.36	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,1,2-Trichloroethane	ND		4.9	0.64	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,1-Dichloroethane	ND		4.9	0.60	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,1-Dichloroethene	ND		4.9	0.60	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2,4-Trichlorobenzene	2.9	J	4.9	0.30	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dibromo-3-chloropropane	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dibromoethane	ND		4.9	0.63	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dichlorobenzene	ND		4.9	0.38	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dichloroethane	ND		4.9	0.25	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dichloropropane	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,3-Dichlorobenzene	ND		4.9	0.25	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,4-Dichlorobenzene	ND		4.9	0.69	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
2-Butanone	ND		25	1.8	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
2-Hexanone	ND		25	2.5	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
4-Methyl-2-pentanone	ND		25	1.6	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Acetone	10	J	25	4.1	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Benzene	ND		4.9	0.24	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Bromodichloromethane	ND		4.9	0.66	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Bromoform	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Bromomethane	ND		4.9	0.44	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Carbon disulfide	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Carbon Tetrachloride	ND		4.9	0.48	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Chlorobenzene	ND		4.9	0.65	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Dibromochloromethane	ND		4.9	0.63	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Chloroethane	ND		4.9	1.1	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Chloroform	ND		4.9	0.30	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Chloromethane	ND		4.9	0.30	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Cyclohexane	ND		4.9	0.69	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Dichlorodifluoromethane	ND		4.9	0.41	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Ethylbenzene	ND		4.9	0.34	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Isopropylbenzene	ND		4.9	0.74	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Methyl Acetate	ND		4.9	0.91	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.9	0.48	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Methylcyclohexane	ND		4.9	0.75	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Methylene Chloride	ND		4.9	2.3	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Styrene	ND		4.9	0.25	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Tetrachloroethene	ND		4.9	0.66	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Toluene	ND		4.9	0.37	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Trichloroethene	ND		4.9	1.1	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Trichlorofluoromethane	ND		4.9	0.46	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
Vinyl chloride	ND		4.9	0.60	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-05 (B-10005 - Solid) - cont.						Sampled: 05/12/10 16:25		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		9.8	0.83	ug/kg dry	1.00	05/13/10 21:08	PQ	10E0981	8260B
1,2-Dichloroethane-d4	104 %		Surr Limits: (64-126%)				05/13/10 21:08	PQ	10E0981	8260B
4-Bromofluorobenzene	100 %		Surr Limits: (72-126%)				05/13/10 21:08	PQ	10E0981	8260B
Toluene-d8	113 %		Surr Limits: (71-125%)				05/13/10 21:08	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		180	38	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4-Dichlorophenol	ND		180	9.2	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4-Dimethylphenol	ND		180	47	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4-Dinitrophenol	ND		340	61	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4-Dinitrotoluene	ND		180	27	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Chlorophenol	ND		180	8.9	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Methylphenol	ND		180	5.4	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Nitroaniline	ND		340	56	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2-Nitrophenol	ND		180	8.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
3,3'-Dichlorobenzidine	ND		180	150	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
3-Nitroaniline	ND		340	40	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4,6-Dinitro-2-methylphenol	ND		340	60	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Bromophenyl phenyl ether	ND		180	56	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Chloro-3-methylphenol	ND		180	7.2	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Chloroaniline	ND		180	51	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Chlorophenyl phenyl ether	ND		180	3.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Methylphenol	ND		340	9.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Nitroaniline	ND		340	20	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
4-Nitrophenol	ND		340	42	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Acenaphthylene	ND		180	1.4	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Acetophenone	ND		180	9.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Atrazine	ND		180	7.8	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(a)anthracene	10	J	180	3.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(a)pyrene	ND		180	4.2	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(b)fluoranthene	8.3	J	180	3.4	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Benzo(k)fluoranthene	ND		180	1.9	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Bis(2-chloroethoxy)methane	ND		180	9.5	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,2'-Oxybis(1-Chloroprop- ane)	ND		180	18	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Bis(2-ethylhexyl)phthalate	ND		180	56	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0731-05 (B-10005 - Solid) - cont.

Sampled: 05/12/10 16:25

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		180	47	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Caprolactam	ND		180	76	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Carbazole	ND		180	2.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Chrysene	ND		180	1.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Diethyl phthalate	ND		180	5.3	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Di-n-butyl phthalate	ND		180	60	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Di-n-octyl phthalate	ND		180	4.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Fluoranthene	12	J	180	2.5	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Fluorene	ND		180	4.0	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Hexachlorobenzene	ND		180	8.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Hexachlorobutadiene	ND		180	8.9	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Hexachlorocyclopentadiene	ND		180	53	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.8	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Isophorone	ND		180	8.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Naphthalene	ND		180	2.9	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Nitrobenzene	ND		180	7.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
N-Nitrosodiphenylamine	ND		180	9.5	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Pentachlorophenol	ND		340	60	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Phenol	ND		180	18	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
Pyrene	10	J	180	1.1	ug/kg dry	1.00	05/14/10 16:51	RAR	10E0989	8270C
2,4,6-Tribromophenol	69 %		Surr Limits: (39-146%)				05/14/10 16:51	RAR	10E0989	8270C
2-Fluorobiphenyl	55 %		Surr Limits: (37-120%)				05/14/10 16:51	RAR	10E0989	8270C
2-Fluorophenol	47 %		Surr Limits: (18-120%)				05/14/10 16:51	RAR	10E0989	8270C
Nitrobenzene-d5	47 %		Surr Limits: (34-132%)				05/14/10 16:51	RAR	10E0989	8270C
Phenol-d5	54 %		Surr Limits: (11-120%)				05/14/10 16:51	RAR	10E0989	8270C
p-Terphenyl-d14	70 %		Surr Limits: (58-147%)				05/14/10 16:51	RAR	10E0989	8270C

General Chemistry Parameters

Percent Solids	95		0.010	NR	%	1.00	05/14/10 08:51	JR	10E1038	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-06 (B-20005 - Solid)						Sampled: 05/12/10 16:30		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	J	4.9	0.36	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,1,2-Trichloroethane	ND		4.9	0.64	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,1-Dichloroethane	ND		4.9	0.60	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,1-Dichloroethene	ND		4.9	0.61	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2,4-Trichlorobenzene	2.2		4.9	0.30	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dibromo-3-chloropropane	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dibromoethane	ND		4.9	0.64	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dichlorobenzene	ND		4.9	0.39	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dichloroethane	ND		4.9	0.25	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dichloropropane	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,3-Dichlorobenzene	ND		4.9	0.25	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,4-Dichlorobenzene	ND		4.9	0.69	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
2-Butanone	ND		25	1.8	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
2-Hexanone	ND		25	2.5	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
4-Methyl-2-pentanone	ND		25	1.6	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Acetone	ND		25	4.2	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Benzene	ND		4.9	0.24	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Bromodichloromethane	ND		4.9	0.66	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Bromoform	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Bromomethane	ND		4.9	0.45	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Carbon disulfide	ND		4.9	2.5	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Carbon Tetrachloride	ND		4.9	0.48	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Chlorobenzene	ND		4.9	0.65	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
Dibromochloromethane	ND	4.9	0.63	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Chloroethane	ND	4.9	1.1	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Chloroform	ND	4.9	0.31	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Chloromethane	ND	4.9	0.30	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
cis-1,2-Dichloroethene	ND	4.9	0.63	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
cis-1,3-Dichloropropene	ND	4.9	0.71	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Cyclohexane	ND	4.9	0.69	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Dichlorodifluoromethane	ND	4.9	0.41	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Ethylbenzene	ND	4.9	0.34	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Isopropylbenzene	ND	4.9	0.75	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Methyl Acetate	ND	4.9	0.92	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.49	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Methylcyclohexane	ND	4.9	0.75	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Methylene Chloride	ND	4.9	2.3	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Styrene	ND	4.9	0.25	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Tetrachloroethene	ND	4.9	0.66	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Toluene	ND	4.9	0.37	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
trans-1,2-Dichloroethene	ND	4.9	0.51	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
trans-1,3-Dichloropropene	ND	4.9	2.2	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Trichloroethene	ND	4.9	1.1	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Trichlorofluoromethane	ND	4.9	0.47	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	
Vinyl chloride	ND	4.9	0.60	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0731-06 (B-20005 - Solid) - cont.						Sampled: 05/12/10 16:30		Recvd: 05/13/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		9.9	0.83	ug/kg dry	1.00	05/13/10 21:33	PQ	10E0981	8260B
1,2-Dichloroethane-d4	100 %		Surr Limits: (64-126%)				05/13/10 21:33	PQ	10E0981	8260B
4-Bromofluorobenzene	105 %		Surr Limits: (72-126%)				05/13/10 21:33	PQ	10E0981	8260B
Toluene-d8	111 %		Surr Limits: (71-125%)				05/13/10 21:33	PQ	10E0981	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2-Nitrophenol	ND		190	8.4	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzo(a)pyrene	ND		190	4.5	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		190	19	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Bis(2-ethylhexyl)phthalate	ND		190	59	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0731-06 (B-20005 - Solid) - cont.

Sampled: 05/12/10 16:30

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Chrysene	ND		190	1.8	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Hexachlorobutadiene	ND		190	9.4	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Phenol	ND		190	19	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	05/14/10 17:16	RAR	10E0989	8270C
2,4,6-Tribromophenol	83 %		Surr Limits: (39-146%)				05/14/10 17:16	RAR	10E0989	8270C
2-Fluorobiphenyl	67 %		Surr Limits: (37-120%)				05/14/10 17:16	RAR	10E0989	8270C
2-Fluorophenol	59 %		Surr Limits: (18-120%)				05/14/10 17:16	RAR	10E0989	8270C
Nitrobenzene-d5	61 %		Surr Limits: (34-132%)				05/14/10 17:16	RAR	10E0989	8270C
Phenol-d5	68 %		Surr Limits: (11-120%)				05/14/10 17:16	RAR	10E0989	8270C
p-Terphenyl-d14	77 %		Surr Limits: (58-147%)				05/14/10 17:16	RAR	10E0989	8270C

General Chemistry Parameters

Percent Solids	90		0.010	NR	%	1.00	05/14/10 08:53	JR	10E1038	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Dissolved Metals by SW 846 Series Methods									
6010B	10E1392	RTE0730-01RE	50.00	mL	50.00	mL	05/18/10 12:10	JRK	3005A
6010B	10E1392	RTE0730-05RE	50.00	mL	50.00	mL	05/18/10 12:10	JRK	3005A
6010B	10E1131	RTE0730-04	50.00	mL	50.00	mL	05/17/10 08:45	KCW	3005A
6010B	10E1127	RTE0730-01	50.00	mL	50.00	mL	05/17/10 12:00	KCW	3005A
6010B	10E1127	RTE0730-05	50.00	mL	50.00	mL	05/17/10 12:00	KCW	3005A
7470A	10E1239	RTE0730-01	30.00	mL	50.00	mL	05/17/10 14:00	MXM	7470A
7470A	10E1238	RTE0730-04	30.00	mL	50.00	mL	05/17/10 14:00	MXM	7470A
7470A	10E1239	RTE0730-05	30.00	mL	50.00	mL	05/17/10 14:00	MXM	7470A
Semivolatile Organics by GC/MS									
8270C	10E0988	RTE0730-04	1,040.00	mL	1.00	mL	05/13/10 17:16	KMB	3510C MB
8270C	10E0988	RTE0730-01	1,045.00	mL	1.00	mL	05/13/10 17:16	KMB	3510C MB
8270C	10E0988	RTE0730-05	1,060.00	mL	1.00	mL	05/13/10 17:16	KMB	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10E1005	RTE0730-01	50.00	mL	50.00	mL	05/14/10 08:40	KCW	3005A
6010B	10E1005	RTE0730-04	50.00	mL	50.00	mL	05/14/10 08:40	KCW	3005A
6010B	10E1005	RTE0730-05	50.00	mL	50.00	mL	05/14/10 08:40	KCW	3005A
7470A	10E1043	RTE0730-01	30.00	mL	50.00	mL	05/14/10 11:10	MXM	7470A
7470A	10E1043	RTE0730-04	30.00	mL	50.00	mL	05/14/10 11:10	MXM	7470A
7470A	10E1043	RTE0730-05	30.00	mL	50.00	mL	05/14/10 11:10	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10E1088	RTE0730-01	5.00	mL	5.00	mL	05/14/10 08:58	LCH	5030B MS
8260B	10E1088	RTE0730-04	5.00	mL	5.00	mL	05/14/10 08:58	LCH	5030B MS
8260B	10E1088	RTE0730-05	5.00	mL	5.00	mL	05/14/10 08:58	LCH	5030B MS
8260B	10E1088	RTE0730-06	5.00	mL	5.00	mL	05/14/10 08:58	LCH	5030B MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10E1038	RTE0731-01	10.00	g	10.00	g	05/13/10 18:10	LTT	Dry Weight
Dry Weight	10E1038	RTE0731-02	10.00	g	10.00	g	05/13/10 18:10	LTT	Dry Weight
Dry Weight	10E1038	RTE0731-05	10.00	g	10.00	g	05/13/10 18:10	LTT	Dry Weight
Dry Weight	10E1038	RTE0731-06	10.00	g	10.00	g	05/13/10 18:10	LTT	Dry Weight
Dry Weight	10E1207	RTE0731-03	10.00	g	10.00	g	05/15/10 13:59	LTT	Dry Weight
Dry Weight	10E1207	RTE0731-04	10.00	g	10.00	g	05/15/10 13:59	LTT	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10E0989	RTE0731-02	30.45	g	1.00	mL	05/13/10 18:00	KMB	3550B MB
8270C	10E0989	RTE0731-06	30.60	g	1.00	mL	05/13/10 18:00	KMB	3550B MB

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8270C	10E0989	RTE0731-05	30.65	g	1.00	mL	05/13/10 18:00	KMB	3550B MB
8270C	10E0989	RTE0731-01	30.70	g	1.00	mL	05/13/10 18:00	KMB	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10E1084	RTE0731-03	0.47	g	50.00	mL	05/14/10 10:00	KCW	3050B
6010B	10E1084	RTE0731-04	0.51	g	50.00	mL	05/14/10 10:00	KCW	3050B
6010B	10E1084	RTE0731-02	0.52	g	50.00	mL	05/14/10 10:00	KCW	3050B
6010B	10E1084	RTE0731-01	0.52	g	50.00	mL	05/14/10 10:00	KCW	3050B
7471A	10E1042	RTE0731-04	0.61	g	50.00	mL	05/14/10 12:45	MXM	7471A_
7471A	10E1042	RTE0731-02	0.62	g	50.00	mL	05/14/10 12:45	MXM	7471A_
7471A	10E1042	RTE0731-03	0.66	g	50.00	mL	05/14/10 12:45	MXM	7471A_
7471A	10E1042	RTE0731-01	0.67	g	50.00	mL	05/14/10 12:45	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10E0981	RTE0731-01	4.44	g	5.00	mL	05/13/10 13:22	PJQ	5035A MS
8260B	10E0981	RTE0731-02	4.74	g	5.00	mL	05/13/10 13:22	PJQ	5035A MS
8260B	10E0981	RTE0731-05	5.38	g	5.00	mL	05/13/10 13:22	PJQ	5035A MS
8260B	10E0981	RTE0731-06	5.64	g	5.00	mL	05/13/10 13:22	PJQ	5035A MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatiles Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/13/10 (Lab Number:10E0981-BLK1, Batch: 10E0981)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/13/10 (Lab Number:10E0981-BLK1, Batch: 10E0981)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
<i>Surrogate: 1,2-Dichloroethane-d4</i>											
					ug/kg wet		90	64-126			
<i>Surrogate: 4-Bromofluorobenzene</i>											
					ug/kg wet		97	72-126			
<i>Surrogate: Toluene-d8</i>											
					ug/kg wet		109	71-125			
LCS Analyzed: 05/13/10 (Lab Number:10E0981-BS1, Batch: 10E0981)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	47.0	94	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	55.2	110	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	51.1	102	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	39.7	79	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	47.9	96	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	40.6	81	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	52.6	105	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	48.3	97	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	50.5	101	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	51.7	103	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	44.6	89	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	47.7	95	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	53.3	107	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	52.8	106	82-113			
2-Butanone		250	25	1.8	ug/kg wet	261	104	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	276	110	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	268	107	74-128			
Acetone		250	25	4.2	ug/kg wet	218	87	61-137			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatiles Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/13/10 (Lab Number:10E0981-BS1, Batch: 10E0981)											
Benzene		50.0	5.0	0.24	ug/kg wet	48.7	97	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	40.0	80	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	35.9	72	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	40.2	80	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	36.0	72	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	39.0	78	75-128			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	49.9	100	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	40.7	81	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	40.8	82	69-136			
Chloroform		50.0	5.0	0.31	ug/kg wet	47.6	95	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	42.6	85	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	48.5	97	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	43.2	86	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	49.4	99	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	37.3	75	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	49.8	100	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	53.7	107	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	52.3	105	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	46.4	93	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	45.6	91	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	47.6	95	61-127			
Styrene		50.0	5.0	0.25	ug/kg wet	49.8	100	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	50.7	101	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	51.0	102	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	48.6	97	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	43.6	87	80-119			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	48.0	96	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	42.7	85	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	43.8	88	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	148	99	82-120			
Surrogate: 1,2-Dichloroethane-d4					ug/kg wet		96	64-126			
Surrogate: 4-Bromofluorobenzene					ug/kg wet		107	72-126			
Surrogate: Toluene-d8					ug/kg wet		110	71-125			

Volatiles Organic Compounds by EPA 8260B

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3200 Town Point Drive Northwest, Ste 100
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatle Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/14/10 (Lab Number:10E1088-BLK1, Batch: 10E1088)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichlorotrifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane (EDB)			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone (MEK)			5.0	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone (MIBK)			5.0	2.1	ug/L	ND					
Acetone			5.0	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Chlorodibromomethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

LABORATORY QC DATA

	Source	Spike					%	% REC	%	RPD	Data
Analyte	Result	Level	RL	MDL	Units	Result	REC	Limits	RPD	Limit	Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/14/10 (Lab Number:10E1088-BLK1, Batch: 10E1088)											
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
<i>Surrogate:</i>					<i>ug/L</i>		<i>98</i>	<i>66-137</i>			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					<i>ug/L</i>		<i>87</i>	<i>73-120</i>			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					<i>ug/L</i>		<i>99</i>	<i>71-126</i>			
LCS Analyzed: 05/14/10 (Lab Number:10E1088-BS1, Batch: 10E1088)											
1,1,1-Trichloroethane		25.0	1.0	0.82	ug/L	26.4	106	73-126			
1,1,2,2-Tetrachloroethane		25.0	1.0	0.21	ug/L	25.2	101	70-126			
1,1,2-Trichloroethane		25.0	1.0	0.23	ug/L	25.5	102	76-122			
1,1,2-Trichlorotrifluoroethane		25.0	1.0	0.31	ug/L	26.2	105	60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	26.2	105	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	23.0	92	65-138			
1,2,4-Trichlorobenzene		25.0	1.0	0.41	ug/L	24.6	98	70-122			
1,2-Dibromo-3-chloropropane		25.0	1.0	0.39	ug/L	18.5	74	56-134			
1,2-Dibromoethane (EDB)		25.0	1.0	0.73	ug/L	25.9	103	77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	24.7	99	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	26.3	105	75-127			
1,2-Dichloropropane		25.0	1.0	0.72	ug/L	26.0	104	76-120			
1,3-Dichlorobenzene		25.0	1.0	0.78	ug/L	25.1	100	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	24.1	96	75-120			
2-Butanone (MEK)		125	5.0	1.3	ug/L	129	103	57-140			
2-Hexanone		125	5.0	1.2	ug/L	132	106	65-127			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/14/10 (Lab Number:10E1088-BS1, Batch: 10E1088)											
4-Methyl-2-pentanone (MIBK)		125	5.0	2.1	ug/L	130	104	71-125			
Acetone		125	5.0	3.0	ug/L	127	101	56-142			
Benzene		25.0	1.0	0.41	ug/L	25.1	101	71-124			
Bromodichloromethane		25.0	1.0	0.39	ug/L	21.4	86	80-122			
Bromoform		25.0	1.0	0.26	ug/L	21.8	87	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	31.1	125	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	22.0	88	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	22.2	89	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.2	97	72-120			
Chlorodibromomethane		25.0	1.0	0.32	ug/L	19.0	76	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	23.2	93	69-136			
Chloroform		25.0	1.0	0.34	ug/L	25.6	102	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	23.6	94	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	25.2	101	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	22.0	88	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	26.9	108	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	23.5	94	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	24.5	98	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	23.0	92	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	25.3	101	60-140			
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	22.4	89	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	26.2	105	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	24.6	98	57-132			
Styrene		25.0	1.0	0.73	ug/L	23.9	96	70-130			
Tetrachloroethene		25.0	1.0	0.36	ug/L	24.4	98	74-122			
Toluene		25.0	1.0	0.51	ug/L	24.8	99	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	24.6	98	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	21.1	84	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	24.7	99	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	32.0	128	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	24.0	96	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	73.3	98	76-122			
Surrogate: 1,2-Dichloroethane-d4					ug/L		98	66-137			
Surrogate: 4-Bromofluorobenzene					ug/L		94	73-120			
Surrogate: Toluene-d8					ug/L		100	71-126			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1088-MS1, Batch: 10E1088)											
QC Source Sample: RTE0730-01											
1,1,1-Trichloroethane	ND	25.0	1.0	0.82	ug/L	31.4	126	73-126			
1,1,2,2-Tetrachloroethane	ND	25.0	1.0	0.21	ug/L	31.6	126	70-126			
1,1,2-Trichloroethane	ND	25.0	1.0	0.23	ug/L	29.5	118	76-122			
1,1,2-Trichlorotrifluoroethane	ND	25.0	1.0	0.31	ug/L	31.0	124	60-140			
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	31.3	125	71-129			
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	27.7	111	65-138			
1,2,4-Trichlorobenzene	ND	25.0	1.0	0.41	ug/L	26.8	107	70-122			
1,2-Dibromo-3-chloropropane	ND	25.0	1.0	0.39	ug/L	24.1	96	56-134			
1,2-Dibromoethane (EDB)	ND	25.0	1.0	0.73	ug/L	31.0	124	77-120			M7
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	28.2	113	77-120			
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	30.3	121	75-127			
1,2-Dichloropropane	ND	25.0	1.0	0.72	ug/L	30.2	121	76-120			M7
1,3-Dichlorobenzene	ND	25.0	1.0	0.78	ug/L	28.8	115	77-120			
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	27.9	112	75-120			
2-Butanone (MEK)	ND	125	5.0	1.3	ug/L	162	129	57-140			
2-Hexanone	ND	125	5.0	1.2	ug/L	159	127	65-127			
4-Methyl-2-pentanone (MIBK)	ND	125	5.0	2.1	ug/L	159	127	71-125			M7
Acetone	ND	125	5.0	3.0	ug/L	115	92	56-142			
Benzene	ND	25.0	1.0	0.41	ug/L	30.2	121	71-124			
Bromodichloromethane	ND	25.0	1.0	0.39	ug/L	24.0	96	80-122			
Bromoform	ND	25.0	1.0	0.26	ug/L	23.1	92	66-128			
Bromomethane	ND	25.0	1.0	0.69	ug/L	38.4	154	36-150			M7
Carbon disulfide	ND	25.0	1.0	0.19	ug/L	21.0	84	59-134			
Carbon Tetrachloride	ND	25.0	1.0	0.27	ug/L	25.8	103	72-134			
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	28.8	115	72-120			
Chlorodibromomethane	ND	25.0	1.0	0.32	ug/L	20.4	82	75-125			
Chloroethane	ND	25.0	1.0	0.32	ug/L	26.7	107	69-136			
Chloroform	5.26	25.0	1.0	0.34	ug/L	36.0	123	73-127			
Chloromethane	ND	25.0	1.0	0.35	ug/L	26.6	106	49-142			
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	30.2	121	74-124			
cis-1,3-Dichloropropene	ND	25.0	1.0	0.36	ug/L	22.7	91	74-124			
Cyclohexane	ND	25.0	1.0	0.18	ug/L	31.6	126	70-130			
Dichlorodifluoromethane	ND	25.0	1.0	0.68	ug/L	26.1	104	33-157			
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	29.4	118	77-123			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1088-MS1, Batch: 10E1088)											
QC Source Sample: RTE0730-01											
Isopropylbenzene	ND	25.0	1.0	0.79	ug/L	27.8	111	77-122			
Methyl Acetate	ND	25.0	1.0	0.50	ug/L	26.7	107	60-140			
Methyl tert-Butyl Ether	ND	25.0	1.0	0.16	ug/L	25.8	103	64-127			
Methylcyclohexane	ND	25.0	1.0	0.16	ug/L	31.3	125	60-140			
Methylene Chloride	ND	25.0	1.0	0.44	ug/L	28.8	115	57-132			
Styrene	ND	25.0	1.0	0.73	ug/L	27.5	110	70-130			
Tetrachloroethene	0.550	25.0	1.0	0.36	ug/L	29.7	116	74-122			
Toluene	ND	25.0	1.0	0.51	ug/L	29.4	118	70-122			
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	30.3	121	73-127			
trans-1,3-Dichloropropene	ND	25.0	1.0	0.37	ug/L	22.8	91	72-123			
Trichloroethene	ND	25.0	1.0	0.46	ug/L	29.1	116	74-123			
Trichlorofluoromethane	ND	25.0	1.0	0.88	ug/L	39.9	159	62-152			M7
Vinyl chloride	ND	25.0	1.0	0.90	ug/L	27.4	110	65-133			
Xylenes, total	ND	75.0	2.0	0.66	ug/L	87.6	117	76-122			
<i>Surrogate:</i>						ug/L	99	66-137			
<i>1,2-Dichloroethane-d4</i>						ug/L	94	73-120			
<i>Surrogate:</i>						ug/L	101	71-126			
<i>4-Bromofluorobenzene</i>						ug/L					
<i>Surrogate: Toluene-d8</i>						ug/L					

Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1088-MSD1, Batch: 10E1088)

QC Source Sample: RTE0730-01

1,1,1-Trichloroethane	ND	25.0	1.0	0.82	ug/L	31.6	126	73-126	0.8	15	
1,1,2,2-Tetrachloroethane	ND	25.0	1.0	0.21	ug/L	32.9	132	70-126	4	15	M7
1,1,2-Trichloroethane	ND	25.0	1.0	0.23	ug/L	30.6	122	76-122	4	15	
1,1,2-Trichlorotrifluoroethane	ND	25.0	1.0	0.31	ug/L	31.0	124	60-140	0.06	20	
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	31.9	127	71-129	2	20	
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	27.8	111	65-138	0.3	16	
1,2,4-Trichlorobenzene	ND	25.0	1.0	0.41	ug/L	29.1	116	70-122	8	20	
1,2-Dibromo-3-chloropropane	ND	25.0	1.0	0.39	ug/L	26.7	107	56-134	10	15	
1,2-Dibromoethane (EDB)	ND	25.0	1.0	0.73	ug/L	31.9	128	77-120	3	15	M7
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	29.1	116	77-120	3	20	
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	30.9	124	75-127	2	20	
1,2-Dichloropropane	ND	25.0	1.0	0.72	ug/L	31.8	127	76-120	5	20	M7
1,3-Dichlorobenzene	ND	25.0	1.0	0.78	ug/L	28.8	115	77-120	0.2	20	
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	28.6	115	75-120	3	20	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1088-MSD1, Batch: 10E1088)											
QC Source Sample: RTE0730-01											
2-Butanone (MEK)	ND	125	5.0	1.3	ug/L	180	144	57-140	11	20	M7
2-Hexanone	ND	125	5.0	1.2	ug/L	170	136	65-127	7	15	M7
4-Methyl-2-pentanone (MIBK)	ND	125	5.0	2.1	ug/L	170	136	71-125	7	35	M7
Acetone	ND	125	5.0	3.0	ug/L	160	128	56-142	33	15	R2
Benzene	ND	25.0	1.0	0.41	ug/L	31.1	124	71-124	3	13	
Bromodichloromethane	ND	25.0	1.0	0.39	ug/L	24.8	99	80-122	3	15	
Bromoform	ND	25.0	1.0	0.26	ug/L	23.5	94	66-128	2	15	
Bromomethane	ND	25.0	1.0	0.69	ug/L	50.9	204	36-150	28	15	M7,R2
Carbon disulfide	ND	25.0	1.0	0.19	ug/L	21.5	86	59-134	2	15	
Carbon Tetrachloride	ND	25.0	1.0	0.27	ug/L	26.9	108	72-134	4	15	
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	29.4	118	72-120	2	25	
Chlorodibromomethane	ND	25.0	1.0	0.32	ug/L	21.4	85	75-125	4	15	
Chloroethane	ND	25.0	1.0	0.32	ug/L	30.8	123	69-136	14	15	
Chloroform	5.26	25.0	1.0	0.34	ug/L	36.2	124	73-127	0.5	20	
Chloromethane	ND	25.0	1.0	0.35	ug/L	32.7	131	49-142	21	15	R2
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	30.9	124	74-124	2	15	
cis-1,3-Dichloropropene	ND	25.0	1.0	0.36	ug/L	24.0	96	74-124	6	15	
Cyclohexane	ND	25.0	1.0	0.18	ug/L	31.3	125	70-130	0.9	20	
Dichlorodifluoromethane	ND	25.0	1.0	0.68	ug/L	30.8	123	33-157	17	20	
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	30.1	120	77-123	2	15	
Isopropylbenzene	ND	25.0	1.0	0.79	ug/L	28.4	114	77-122	2	20	
Methyl Acetate	ND	25.0	1.0	0.50	ug/L	28.0	112	60-140	4	20	
Methyl tert-Butyl Ether	ND	25.0	1.0	0.16	ug/L	28.1	112	64-127	9	37	
Methylcyclohexane	ND	25.0	1.0	0.16	ug/L	30.3	121	60-140	3	20	
Methylene Chloride	ND	25.0	1.0	0.44	ug/L	29.5	118	57-132	2	15	
Styrene	ND	25.0	1.0	0.73	ug/L	27.5	110	70-130	0.04	20	
Tetrachloroethene	0.550	25.0	1.0	0.36	ug/L	30.4	119	74-122	2	20	
Toluene	ND	25.0	1.0	0.51	ug/L	29.5	118	70-122	0.4	15	
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	30.7	123	73-127	1	20	
trans-1,3-Dichloropropene	ND	25.0	1.0	0.37	ug/L	23.2	93	72-123	2	15	
Trichloroethene	ND	25.0	1.0	0.46	ug/L	30.5	122	74-123	5	16	
Trichlorofluoromethane	ND	25.0	1.0	0.88	ug/L	43.9	176	62-152	10	20	M7
Vinyl chloride	ND	25.0	1.0	0.90	ug/L	32.9	132	65-133	18	15	R2
Xylenes, total	ND	75.0	2.0	0.66	ug/L	88.9	118	76-122	1	16	

Surrogate:
1,2-Dichloroethane-d4

ug/L 97 66-137

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Volatile Organic Compounds by EPA 8260B

Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1088-MSD1, Batch: 10E1088)

QC Source Sample: RTE0730-01

Surrogate:	ug/L	94	73-120
4-Bromofluorobenzene			
Surrogate: Toluene-d8	ug/L	99	71-126

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/16/10 (Lab Number:10E0988-BLK1, Batch: 10E0988)											
2,4,5-Trichlorophenol			5.0	0.48	ug/L	ND					
2,4,6-Trichlorophenol			5.0	0.61	ug/L	ND					
2,4-Dichlorophenol			5.0	0.51	ug/L	ND					
2,4-Dimethylphenol			5.0	0.50	ug/L	ND					
2,4-Dinitrophenol			10	2.2	ug/L	ND					
2,4-Dinitrotoluene			5.0	0.45	ug/L	ND					
2,6-Dinitrotoluene			5.0	0.40	ug/L	ND					
2-Chloronaphthalene			5.0	0.46	ug/L	ND					
2-Chlorophenol			5.0	0.53	ug/L	ND					
2-Methylnaphthalene			5.0	0.60	ug/L	ND					
2-Methylphenol			5.0	0.40	ug/L	ND					
2-Nitroaniline			10	0.42	ug/L	ND					
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/16/10 (Lab Number:10E0988-BLK1, Batch: 10E0988)											
Bis(2-chloroethoxy)methane			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl)phthalate			5.0	1.8	ug/L	ND					
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	ND					
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					
Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadiene			5.0	0.59	ug/L	ND					
Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					
<i>Surrogate:</i>					ug/L		100	52-132			
<i>2,4,6-Tribromophenol</i>					ug/L		82	48-120			
<i>Surrogate:</i>					ug/L						
<i>2-Fluorobiphenyl</i>					ug/L		48	20-120			
<i>Surrogate:</i>					ug/L						
<i>2-Fluorophenol</i>											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/16/10 (Lab Number:10E0988-BLK1, Batch: 10E0988)											
Surrogate:					ug/L		73	46-120			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/L		37	16-120			
Surrogate:					ug/L		89	24-136			
p-Terphenyl-d14											
LCS Analyzed: 05/16/10 (Lab Number:10E0988-BS1, Batch: 10E0988)											
2,4,5-Trichlorophenol		100	5.0	0.48	ug/L	108	108	65-126			
2,4,6-Trichlorophenol		100	5.0	0.61	ug/L	102	102	64-120			
2,4-Dichlorophenol		100	5.0	0.51	ug/L	90.7	91	64-120			
2,4-Dimethylphenol		100	5.0	0.50	ug/L	85.0	85	57-120			
2,4-Dinitrophenol		100	10	2.2	ug/L	92.3	92	42-153			
2,4-Dinitrotoluene		100	5.0	0.45	ug/L	111	111	59-125			
2,6-Dinitrotoluene		100	5.0	0.40	ug/L	115	115	74-134			
2-Chloronaphthalene		100	5.0	0.46	ug/L	91.1	91	52-120			
2-Chlorophenol		100	5.0	0.53	ug/L	79.5	80	48-120			
2-Methylnaphthalene		100	5.0	0.60	ug/L	89.2	89	48-120			
2-Methylphenol		100	5.0	0.40	ug/L	81.1	81	39-120			
2-Nitroaniline		100	10	0.42	ug/L	114	114	67-136			
2-Nitrophenol		100	5.0	0.48	ug/L	89.8	90	59-120			
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	116	116	33-140			
3-Nitroaniline		100	10	0.48	ug/L	112	112	69-129			
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	116	116	64-159			
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	106	106	71-126			
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	101	101	64-120			
4-Chloroaniline		100	5.0	0.59	ug/L	94.2	94	60-124			
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	95.4	95	71-122			
4-Methylphenol		100	10	0.36	ug/L	76.2	76	36-120			
4-Nitroaniline		100	10	0.25	ug/L	107	107	64-135			
4-Nitrophenol		100	10	1.5	ug/L	49.7	50	16-120			
Acenaphthene		100	5.0	0.41	ug/L	95.4	95	60-120			
Acenaphthylene		100	5.0	0.38	ug/L	98.1	98	63-120			
Acetophenone		100	5.0	0.54	ug/L	90.9	91	45-120			
Aniline		100	10	0.61	ug/L	81.7	82	37-120			
Anthracene		100	5.0	0.28	ug/L	105	105	69-131			
Atrazine		100	5.0	0.46	ug/L	115	115	70-129			
Benzaldehyde		100	5.0	0.27	ug/L	101	101	30-140			
Benzo(a)anthracene		100	5.0	0.36	ug/L	104	104	73-138			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/16/10 (Lab Number:10E0988-BS1, Batch: 10E0988)											
Benzo(a)pyrene		100	5.0	0.47	ug/L	112	112	74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	98.0	98	75-133			
Benzo(ghi)perylene		100	5.0	0.35	ug/L	111	111	66-152			
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	108	108	75-133			
Biphenyl		100	5.0	0.65	ug/L	88.4	88	30-140			
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	80.8	81	62-120			
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	77.8	78	51-120			
2,2'-Oxybis(1-Chloropropane)		100	5.0	0.52	ug/L	81.1	81	47-120			
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	107	107	69-136			
Butyl benzyl phthalate		100	5.0	0.42	ug/L	119	119	62-149			
Caprolactam		100	5.0	2.2	ug/L	38.5	38	30-140			
Carbazole		100	5.0	0.30	ug/L	106	106	68-133			
Chrysene		100	5.0	0.33	ug/L	106	106	69-140			
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	106	106	67-144			
Dibenzofuran		100	10	0.51	ug/L	96.2	96	66-120			
Diethyl phthalate		100	5.0	0.22	ug/L	104	104	78-128			
Dimethyl phthalate		100	5.0	0.36	ug/L	99.2	99	73-127			
Di-n-butyl phthalate		100	5.0	0.31	ug/L	110	110	67-132			
Di-n-octyl phthalate		100	5.0	0.47	ug/L	124	124	72-145			
Fluoranthene		100	5.0	0.40	ug/L	102	102	67-133			
Fluorene		100	5.0	0.36	ug/L	97.8	98	66-129			
Hexachlorobenzene		100	5.0	0.51	ug/L	102	102	38-131			
Hexachlorobutadiene		100	5.0	0.68	ug/L	74.1	74	30-120			
Hexachlorocyclopentadiene		100	5.0	0.59	ug/L	75.8	76	23-120			
Hexachloroethane		100	5.0	0.59	ug/L	72.0	72	25-120			
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	106	106	69-146			
Isophorone		100	5.0	0.43	ug/L	86.6	87	64-120			
Naphthalene		100	5.0	0.76	ug/L	82.0	82	48-120			
Nitrobenzene		100	5.0	0.29	ug/L	85.1	85	52-120			
N-Nitrosodi-n-propylamine		100	5.0	0.54	ug/L	85.5	86	56-120			
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	138	138	25-125			L1
Pentachlorophenol		100	10	2.2	ug/L	111	111	39-136			
Phenanthrene		100	5.0	0.44	ug/L	105	105	67-130			
Phenol		100	5.0	0.39	ug/L	41.9	42	17-120			
Pyrene		100	5.0	0.34	ug/L	102	102	58-136			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatile Organics by GC/MS

LCS Analyzed: 05/16/10 (Lab Number:10E0988-BS1, Batch: 10E0988)

Surrogate:					ug/L		109	52-132			
2,4,6-Tribromophenol					ug/L		84	48-120			
Surrogate:					ug/L		48	20-120			
2-Fluorobiphenyl					ug/L		76	46-120			
Surrogate:					ug/L		36	16-120			
2-Fluorophenol					ug/L		92	24-136			
Surrogate:											
Nitrobenzene-d5											
Surrogate: Phenol-d5											
Surrogate:											
p-Terphenyl-d14											

Matrix Spike Analyzed: 05/16/10 (Lab Number:10E0988-MS1, Batch: 10E0988)

QC Source Sample: RTE0730-01

2,4,5-Trichlorophenol	ND	96.6	4.8	0.46	ug/L	103	107	65-126			
2,4,6-Trichlorophenol	ND	96.6	4.8	0.59	ug/L	97.6	101	64-120			
2,4-Dichlorophenol	ND	96.6	4.8	0.49	ug/L	87.9	91	64-120			
2,4-Dimethylphenol	ND	96.6	4.8	0.48	ug/L	84.0	87	57-120			
2,4-Dinitrophenol	ND	96.6	9.7	2.1	ug/L	95.5	99	42-153			
2,4-Dinitrotoluene	ND	96.6	4.8	0.43	ug/L	107	111	59-125			
2,6-Dinitrotoluene	ND	96.6	4.8	0.39	ug/L	111	115	74-134			
2-Chloronaphthalene	ND	96.6	4.8	0.44	ug/L	87.0	90	52-120			
2-Chlorophenol	ND	96.6	4.8	0.51	ug/L	75.5	78	48-120			
2-Methylnaphthalene	ND	96.6	4.8	0.58	ug/L	86.3	89	48-120			
2-Methylphenol	ND	96.6	4.8	0.39	ug/L	75.4	78	39-120			
2-Nitroaniline	ND	96.6	9.7	0.41	ug/L	109	113	67-136			
2-Nitrophenol	ND	96.6	4.8	0.46	ug/L	86.7	90	59-120			
3,3'-Dichlorobenzidine	ND	96.6	4.8	0.39	ug/L	102	106	33-140			
3-Nitroaniline	ND	96.6	9.7	0.46	ug/L	107	110	69-129			
4,6-Dinitro-2-methylphenol	ND	96.6	9.7	2.1	ug/L	117	121	64-159			
4-Bromophenyl phenyl ether	ND	96.6	4.8	0.43	ug/L	102	105	71-126			
4-Chloro-3-methylphenol	ND	96.6	4.8	0.43	ug/L	98.2	102	64-120			
4-Chloroaniline	ND	96.6	4.8	0.57	ug/L	87.8	91	60-124			
4-Chlorophenyl phenyl ether	ND	96.6	4.8	0.34	ug/L	91.8	95	71-122			
4-Methylphenol	ND	96.6	9.7	0.35	ug/L	72.1	75	36-120			
4-Nitroaniline	ND	96.6	9.7	0.24	ug/L	104	107	64-135			
4-Nitrophenol	ND	96.6	9.7	1.5	ug/L	43.9	45	16-120			
Acenaphthene	ND	96.6	4.8	0.40	ug/L	92.6	96	60-120			
Acenaphthylene	ND	96.6	4.8	0.37	ug/L	93.6	97	63-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/16/10 (Lab Number:10E0988-MS1, Batch: 10E0988)											
QC Source Sample: RTE0730-01											
Acetophenone	ND	96.6	4.8	0.52	ug/L	87.4	90	45-120			
Aniline	ND	96.6	9.7	0.59	ug/L	72.9	75	37-120			
Anthracene	ND	96.6	4.8	0.27	ug/L	100	104	69-131			
Atrazine	ND	96.6	4.8	0.44	ug/L	109	113	70-129			
Benzaldehyde	ND	96.6	4.8	0.26	ug/L	95.2	99	30-140			
Benzo(a)anthracene	ND	96.6	4.8	0.35	ug/L	98.7	102	73-138			
Benzo(a)pyrene	ND	96.6	4.8	0.45	ug/L	106	110	74-126			
Benzo(b)fluoranthene	ND	96.6	4.8	0.33	ug/L	103	106	75-133			
Benzo(ghi)perylene	ND	96.6	4.8	0.34	ug/L	104	108	66-152			
Benzo(k)fluoranthene	ND	96.6	4.8	0.71	ug/L	90.5	94	75-133			
Biphenyl	ND	96.6	4.8	0.63	ug/L	85.2	88	30-140			
Bis(2-chloroethoxy)methane	ND	96.6	4.8	0.34	ug/L	78.0	81	62-120			
Bis(2-chloroethyl)ether	ND	96.6	4.8	0.39	ug/L	73.5	76	51-120			
2,2'-Oxybis(1-Chloropropane)	ND	96.6	4.8	0.50	ug/L	77.0	80	47-120			
Bis(2-ethylhexyl)phthalate	ND	96.6	4.8	1.7	ug/L	102	106	69-136			
Butyl benzyl phthalate	ND	96.6	4.8	0.41	ug/L	114	118	62-149			
Caprolactam	ND	96.6	4.8	2.1	ug/L	33.0	34	30-140			
Carbazole	ND	96.6	4.8	0.29	ug/L	102	106	68-133			
Chrysene	ND	96.6	4.8	0.32	ug/L	101	104	69-140			
Dibenzo(a,h)anthracene	ND	96.6	4.8	0.41	ug/L	99.8	103	67-144			
Dibenzofuran	ND	96.6	9.7	0.49	ug/L	93.3	97	66-120			
Diethyl phthalate	ND	96.6	4.8	0.21	ug/L	101	105	78-128			
Dimethyl phthalate	ND	96.6	4.8	0.35	ug/L	95.9	99	73-127			
Di-n-butyl phthalate	ND	96.6	4.8	0.30	ug/L	105	109	67-132			
Di-n-octyl phthalate	ND	96.6	4.8	0.45	ug/L	117	121	72-145			
Fluoranthene	ND	96.6	4.8	0.39	ug/L	98.1	102	67-133			
Fluorene	ND	96.6	4.8	0.35	ug/L	94.0	97	66-129			
Hexachlorobenzene	ND	96.6	4.8	0.49	ug/L	97.5	101	38-131			
Hexachlorobutadiene	ND	96.6	4.8	0.66	ug/L	70.4	73	30-120			
Hexachlorocyclopentadiene	ND	96.6	4.8	0.57	ug/L	71.1	74	23-120			
Hexachloroethane	ND	96.6	4.8	0.57	ug/L	68.9	71	25-120			
Indeno(1,2,3-cd)pyrene	ND	96.6	4.8	0.45	ug/L	101	104	69-146			
Isophorone	ND	96.6	4.8	0.42	ug/L	83.9	87	64-120			
Naphthalene	ND	96.6	4.8	0.73	ug/L	78.3	81	48-120			
Nitrobenzene	ND	96.6	4.8	0.28	ug/L	81.0	84	52-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/16/10 (Lab Number:10E0988-MS1, Batch: 10E0988)											
QC Source Sample: RTE0730-01											
N-Nitrosodi-n-propylamine	ND	96.6	4.8	0.52	ug/L	82.8	86	56-120			
N-Nitrosodiphenylamine	ND	96.6	4.8	0.49	ug/L	131	135	25-125			M7
Pentachlorophenol	ND	96.6	9.7	2.1	ug/L	108	111	39-136			
Phenanthrene	ND	96.6	4.8	0.43	ug/L	99.4	103	67-130			
Phenol	ND	96.6	4.8	0.38	ug/L	37.5	39	17-120			
Pyrene	ND	96.6	4.8	0.33	ug/L	100	104	58-136			
<i>Surrogate:</i>						<i>ug/L</i>	<i>109</i>	<i>52-132</i>			
<i>2,4,6-Tribromophenol</i>						<i>ug/L</i>	<i>86</i>	<i>48-120</i>			
<i>Surrogate:</i>						<i>ug/L</i>	<i>45</i>	<i>20-120</i>			
<i>2-Fluorobiphenyl</i>						<i>ug/L</i>	<i>76</i>	<i>46-120</i>			
<i>Surrogate:</i>						<i>ug/L</i>	<i>33</i>	<i>16-120</i>			
<i>2-Fluorophenol</i>						<i>ug/L</i>	<i>71</i>	<i>24-136</i>			
<i>Surrogate:</i>						<i>ug/L</i>					
<i>Nitrobenzene-d5</i>						<i>ug/L</i>					
<i>Surrogate: Phenol-d5</i>						<i>ug/L</i>					
<i>Surrogate:</i>						<i>ug/L</i>					
<i>p-Terphenyl-d14</i>											
Matrix Spike Dup Analyzed: 05/16/10 (Lab Number:10E0988-MSD1, Batch: 10E0988)											
QC Source Sample: RTE0730-01											
2,4,5-Trichlorophenol	ND	98.0	4.9	0.47	ug/L	105	107	65-126	2	18	
2,4,6-Trichlorophenol	ND	98.0	4.9	0.60	ug/L	99.2	101	64-120	2	19	
2,4-Dichlorophenol	ND	98.0	4.9	0.50	ug/L	88.2	90	64-120	0.3	19	
2,4-Dimethylphenol	ND	98.0	4.9	0.49	ug/L	83.1	85	57-120	1	42	
2,4-Dinitrophenol	ND	98.0	9.8	2.2	ug/L	99.1	101	42-153	4	22	
2,4-Dinitrotoluene	ND	98.0	4.9	0.44	ug/L	110	112	59-125	3	20	
2,6-Dinitrotoluene	ND	98.0	4.9	0.39	ug/L	111	113	74-134	0.5	15	
2-Chloronaphthalene	ND	98.0	4.9	0.45	ug/L	86.5	88	52-120	0.6	21	
2-Chlorophenol	ND	98.0	4.9	0.52	ug/L	78.6	80	48-120	4	25	
2-Methylnaphthalene	ND	98.0	4.9	0.59	ug/L	88.1	90	48-120	2	21	
2-Methylphenol	ND	98.0	4.9	0.39	ug/L	77.5	79	39-120	3	27	
2-Nitroaniline	ND	98.0	9.8	0.41	ug/L	109	112	67-136	0.1	15	
2-Nitrophenol	ND	98.0	4.9	0.47	ug/L	89.9	92	59-120	4	18	
3,3'-Dichlorobenzidine	ND	98.0	4.9	0.39	ug/L	112	115	33-140	9	25	
3-Nitroaniline	ND	98.0	9.8	0.47	ug/L	109	111	69-129	2	19	
4,6-Dinitro-2-methylphenol	ND	98.0	9.8	2.2	ug/L	119	121	64-159	1	15	
4-Bromophenyl phenyl ether	ND	98.0	4.9	0.44	ug/L	104	106	71-126	3	15	
4-Chloro-3-methylphenol	ND	98.0	4.9	0.44	ug/L	99.0	101	64-120	0.8	27	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/16/10 (Lab Number:10E0988-MSD1, Batch: 10E0988)											
QC Source Sample: RTE0730-01											
4-Chloroaniline	ND	98.0	4.9	0.58	ug/L	89.7	91	60-124	2	22	
4-Chlorophenyl phenyl ether	ND	98.0	4.9	0.34	ug/L	94.1	96	71-122	2	16	
4-Methylphenol	ND	98.0	9.8	0.35	ug/L	73.8	75	36-120	2	24	
4-Nitroaniline	ND	98.0	9.8	0.25	ug/L	107	109	64-135	3	24	
4-Nitrophenol	ND	98.0	9.8	1.5	ug/L	47.6	49	16-120	8	48	
Acenaphthene	ND	98.0	4.9	0.40	ug/L	92.3	94	60-120	0.3	24	
Acenaphthylene	ND	98.0	4.9	0.37	ug/L	93.6	96	63-120	0.04	18	
Acetophenone	ND	98.0	4.9	0.53	ug/L	91.5	93	45-120	5	20	
Aniline	ND	98.0	9.8	0.60	ug/L	77.2	79	37-120	6	30	
Anthracene	ND	98.0	4.9	0.27	ug/L	103	105	69-131	3	15	
Atrazine	ND	98.0	4.9	0.45	ug/L	113	115	70-129	3	20	
Benzaldehyde	ND	98.0	4.9	0.26	ug/L	99.9	102	30-140	5	20	
Benzo(a)anthracene	ND	98.0	4.9	0.35	ug/L	103	105	73-138	4	15	
Benzo(a)pyrene	ND	98.0	4.9	0.46	ug/L	109	111	74-126	3	15	
Benzo(b)fluoranthene	ND	98.0	4.9	0.33	ug/L	107	109	75-133	4	15	
Benzo(ghi)perylene	ND	98.0	4.9	0.34	ug/L	107	109	66-152	2	15	
Benzo(k)fluoranthene	ND	98.0	4.9	0.72	ug/L	92.2	94	75-133	2	22	
Biphenyl	ND	98.0	4.9	0.64	ug/L	84.2	86	30-140	1	20	
Bis(2-chloroethoxy)methane	ND	98.0	4.9	0.34	ug/L	79.1	81	62-120	1	17	
Bis(2-chloroethyl)ether	ND	98.0	4.9	0.39	ug/L	76.5	78	51-120	4	21	
2,2'-Oxybis(1-Chloropropane)	ND	98.0	4.9	0.51	ug/L	81.4	83	47-120	6	24	
Bis(2-ethylhexyl)phthalate	ND	98.0	4.9	1.8	ug/L	105	107	69-136	2	15	
Butyl benzyl phthalate	ND	98.0	4.9	0.41	ug/L	118	120	62-149	4	16	
Caprolactam	ND	98.0	4.9	2.2	ug/L	34.1	35	30-140	3	20	
Carbazole	ND	98.0	4.9	0.29	ug/L	104	106	68-133	2	20	
Chrysene	ND	98.0	4.9	0.32	ug/L	103	105	69-140	2	15	
Dibenzo(a,h)anthracene	ND	98.0	4.9	0.41	ug/L	102	104	67-144	3	15	
Dibenzofuran	ND	98.0	9.8	0.50	ug/L	92.7	95	66-120	0.6	15	
Diethyl phthalate	ND	98.0	4.9	0.22	ug/L	103	105	78-128	1	15	
Dimethyl phthalate	ND	98.0	4.9	0.35	ug/L	97.5	99	73-127	2	15	
Di-n-butyl phthalate	ND	98.0	4.9	0.30	ug/L	108	110	67-132	3	15	
Di-n-octyl phthalate	ND	98.0	4.9	0.46	ug/L	120	123	72-145	3	16	
Fluoranthene	ND	98.0	4.9	0.39	ug/L	100	102	67-133	2	15	
Fluorene	ND	98.0	4.9	0.35	ug/L	95.2	97	66-129	1	15	
Hexachlorobenzene	ND	98.0	4.9	0.50	ug/L	101	103	38-131	3	15	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/16/10 (Lab Number:10E0988-MSD1, Batch: 10E0988)											
QC Source Sample: RTE0730-01											
Hexachlorobutadiene	ND	98.0	4.9	0.67	ug/L	75.4	77	30-120	7	44	
Hexachlorocyclopentadiene	ND	98.0	4.9	0.58	ug/L	73.8	75	23-120	4	49	
Hexachloroethane	ND	98.0	4.9	0.58	ug/L	74.6	76	25-120	8	46	
Indeno(1,2,3-cd)pyrene	ND	98.0	4.9	0.46	ug/L	104	106	69-146	3	15	
Isophorone	ND	98.0	4.9	0.42	ug/L	84.7	86	64-120	0.9	17	
Naphthalene	ND	98.0	4.9	0.75	ug/L	81.3	83	48-120	4	29	
Nitrobenzene	ND	98.0	4.9	0.28	ug/L	84.0	86	52-120	4	24	
N-Nitrosodi-n-propylamine	ND	98.0	4.9	0.53	ug/L	85.0	87	56-120	3	31	
N-Nitrosodiphenylamine	ND	98.0	4.9	0.50	ug/L	134	137	25-125	3	15	M7
Pentachlorophenol	ND	98.0	9.8	2.2	ug/L	111	113	39-136	3	37	
Phenanthrene	ND	98.0	4.9	0.43	ug/L	102	104	67-130	3	15	
Phenol	ND	98.0	4.9	0.38	ug/L	39.0	40	17-120	4	34	
Pyrene	ND	98.0	4.9	0.33	ug/L	104	106	58-136	4	19	

Surrogate:	ug/L	110	52-132
2,4,6-Tribromophenol	ug/L	85	48-120
Surrogate:	ug/L	46	20-120
2-Fluorobiphenyl	ug/L	76	46-120
Surrogate:	ug/L	34	16-120
2-Fluorophenol	ug/L	70	24-136
Surrogate:			
Nitrobenzene-d5			
Surrogate: Phenol-d5			
Surrogate:			
p-Terphenyl-d14			

Semivolatile Organics by GC/MS

Blank Analyzed: 05/14/10 (Lab Number:10E0989-BLK1, Batch: 10E0989)

2,4,5-Trichlorophenol	170	36	ug/kg wet	ND
2,4,6-Trichlorophenol	170	11	ug/kg wet	ND
2,4-Dichlorophenol	170	8.6	ug/kg wet	ND
2,4-Dimethylphenol	170	45	ug/kg wet	ND
2,4-Dinitrophenol	320	58	ug/kg wet	ND
2,4-Dinitrotoluene	170	26	ug/kg wet	ND
2,6-Dinitrotoluene	170	40	ug/kg wet	ND
2-Chloronaphthalene	170	11	ug/kg wet	ND
2-Chlorophenol	170	8.4	ug/kg wet	ND
2-Methylnaphthalene	170	2.0	ug/kg wet	ND
2-Methylphenol	170	5.1	ug/kg wet	ND

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/14/10 (Lab Number:10E0989-BLK1, Batch: 10E0989)											
2-Nitroaniline			320	53	ug/kg wet	ND					
2-Nitrophenol			170	7.5	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND					
3-Nitroaniline			320	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	52	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.8	ug/kg wet	ND					
4-Chloroaniline			170	48	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND					
4-Methylphenol			320	9.2	ug/kg wet	ND					
4-Nitroaniline			320	18	ug/kg wet	ND					
4-Nitrophenol			320	40	ug/kg wet	ND					
Acenaphthene			170	1.9	ug/kg wet	ND					
Acenaphthylene			170	1.3	ug/kg wet	ND					
Acetophenone			170	8.5	ug/kg wet	ND					
Anthracene			170	4.2	ug/kg wet	ND					
Atrazine			170	7.3	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.8	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	53	ug/kg wet	ND					
Butyl benzyl phthalate			170	44	ug/kg wet	ND					
Caprolactam			170	71	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.6	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/14/10 (Lab Number:10E0989-BLK1, Batch: 10E0989)											
Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	57	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.2	ug/kg wet	ND					
Hexachlorobutadiene			170	8.4	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.2	ug/kg wet	ND					
Naphthalene			170	2.7	ug/kg wet	ND					
Nitrobenzene			170	7.3	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND					
Pentachlorophenol			320	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	17	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	82	39-146			
<i>2,4,6-Tribromophenol</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	65	37-120			
<i>2-Fluorobiphenyl</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	58	18-120			
<i>2-Fluorophenol</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	58	34-132			
<i>Nitrobenzene-d5</i>											
<i>Surrogate: Phenol-d5</i>						<i>ug/kg wet</i>	66	11-120			
<i>Surrogate:</i>						<i>ug/kg wet</i>	77	58-147			
<i>p-Terphenyl-d14</i>											
LCS Analyzed: 05/14/10 (Lab Number:10E0989-BS1, Batch: 10E0989)											
2,4,5-Trichlorophenol		3320	170	37	ug/kg wet	3170	96	59-126			
2,4,6-Trichlorophenol		3320	170	11	ug/kg wet	3090	93	59-123			
2,4-Dichlorophenol		3320	170	8.8	ug/kg wet	2750	83	52-120			
2,4-Dimethylphenol		3320	170	45	ug/kg wet	2740	83	36-120			
2,4-Dinitrophenol		3320	330	59	ug/kg wet	3100	93	35-146			
2,4-Dinitrotoluene		3320	170	26	ug/kg wet	3340	101	55-125			
2,6-Dinitrotoluene		3320	170	41	ug/kg wet	3410	103	66-128			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/14/10 (Lab Number:10E0989-BS1, Batch: 10E0989)											
2-Chloronaphthalene		3320	170	11	ug/kg wet	2760	83	57-120			
2-Chlorophenol		3320	170	8.5	ug/kg wet	2490	75	38-120			
2-Methylnaphthalene		3320	170	2.0	ug/kg wet	2760	83	47-120			
2-Methylphenol		3320	170	5.2	ug/kg wet	2780	84	48-120			
2-Nitroaniline		3320	330	54	ug/kg wet	3350	101	61-130			
2-Nitrophenol		3320	170	7.7	ug/kg wet	2800	84	50-120			
3,3'-Dichlorobenzidine		3320	170	150	ug/kg wet	2840	86	48-126			
3-Nitroaniline		3320	330	39	ug/kg wet	2940	89	61-127			
4,6-Dinitro-2-methylphenol		3320	330	58	ug/kg wet	3610	109	49-155			
4-Bromophenyl phenyl ether		3320	170	53	ug/kg wet	3060	92	58-131			
4-Chloro-3-methylphenol		3320	170	6.9	ug/kg wet	3080	93	49-125			
4-Chloroaniline		3320	170	49	ug/kg wet	2640	80	49-120			
4-Chlorophenyl phenyl ether		3320	170	3.6	ug/kg wet	2850	86	63-124			
4-Methylphenol		3320	330	9.4	ug/kg wet	2880	87	50-119			
4-Nitroaniline		3320	330	19	ug/kg wet	3270	99	63-128			
4-Nitrophenol		3320	330	41	ug/kg wet	3560	107	43-137			
Acenaphthene		3320	170	2.0	ug/kg wet	2880	87	53-120			
Acenaphthylene		3320	170	1.4	ug/kg wet	2900	87	58-121			
Acetophenone		3320	170	8.6	ug/kg wet	2780	84	66-120			
Anthracene		3320	170	4.3	ug/kg wet	3020	91	62-129			
Atrazine		3320	170	7.5	ug/kg wet	3350	101	73-133			
Benzaldehyde		3320	170	18	ug/kg wet	2780	84	21-120			
Benzo(a)anthracene		3320	170	2.9	ug/kg wet	3120	94	65-133			
Benzo(a)pyrene		3320	170	4.0	ug/kg wet	3360	101	64-127			
Benzo(b)fluoranthene		3320	170	3.3	ug/kg wet	3100	94	64-135			
Benzo(ghi)perylene		3320	170	2.0	ug/kg wet	3110	94	50-152			
Benzo(k)fluoranthene		3320	170	1.8	ug/kg wet	3100	93	58-138			
Biphenyl		3320	170	10	ug/kg wet	2680	81	71-120			
Bis(2-chloroethoxy)methane		3320	170	9.1	ug/kg wet	2500	75	61-133			
Bis(2-chloroethyl)ether		3320	170	14	ug/kg wet	2320	70	45-120			
2,2'-Oxybis(1-Chloropropane)		3320	170	18	ug/kg wet	2410	73	44-120			
Bis(2-ethylhexyl)phthalate		3320	170	54	ug/kg wet	3180	96	61-133			
Butyl benzyl phthalate		3320	170	45	ug/kg wet	3520	106	61-129			
Caprolactam		3320	170	73	ug/kg wet	3340	101	54-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/14/10 (Lab Number:10E0989-BS1, Batch: 10E0989)											
Carbazole		3320	170	1.9	ug/kg wet	3050	92	59-129			
Chrysene		3320	170	1.7	ug/kg wet	3090	93	64-131			
Dibenzo(a,h)anthracene		3320	170	2.0	ug/kg wet	3110	94	54-148			
Dibenzofuran		3320	170	1.7	ug/kg wet	2890	87	56-120			
Diethyl phthalate		3320	170	5.1	ug/kg wet	3150	95	66-126			
Dimethyl phthalate		3320	170	4.4	ug/kg wet	3030	92	65-124			
Di-n-butyl phthalate		3320	170	58	ug/kg wet	3180	96	58-130			
Di-n-octyl phthalate		3320	170	3.9	ug/kg wet	3570	108	62-133			
Fluoranthene		3320	170	2.4	ug/kg wet	2980	90	62-131			
Fluorene		3320	170	3.9	ug/kg wet	2900	87	63-126			
Hexachlorobenzene		3320	170	8.3	ug/kg wet	3000	90	60-132			
Hexachlorobutadiene		3320	170	8.6	ug/kg wet	2360	71	45-120			
Hexachlorocyclopentadiene		3320	170	51	ug/kg wet	2470	74	31-120			
Hexachloroethane		3320	170	13	ug/kg wet	2310	70	41-120			
Indeno(1,2,3-cd)pyrene		3320	170	4.6	ug/kg wet	3100	93	56-149			
Isophorone		3320	170	8.4	ug/kg wet	2710	82	56-120			
Naphthalene		3320	170	2.8	ug/kg wet	2520	76	46-120			
Nitrobenzene		3320	170	7.4	ug/kg wet	2570	78	49-120			
N-Nitrosodi-n-propylamine		3320	170	13	ug/kg wet	2680	81	46-120			
N-Nitrosodiphenylamine		3320	170	9.2	ug/kg wet	3910	118	20-119			
Pentachlorophenol		3320	330	58	ug/kg wet	3220	97	33-136			
Phenanthrene		3320	170	3.5	ug/kg wet	3000	91	60-130			
Phenol		3320	170	18	ug/kg wet	2600	78	36-120			
Pyrene		3320	170	1.1	ug/kg wet	3150	95	51-133			
<i>Surrogate:</i>						<i>ug/kg wet</i>	<i>94</i>	<i>39-146</i>			
<i>2,4,6-Tribromophenol</i>						<i>ug/kg wet</i>	<i>81</i>	<i>37-120</i>			
<i>Surrogate:</i>						<i>ug/kg wet</i>	<i>66</i>	<i>18-120</i>			
<i>2-Fluorobiphenyl</i>						<i>ug/kg wet</i>	<i>71</i>	<i>34-132</i>			
<i>Surrogate:</i>						<i>ug/kg wet</i>	<i>74</i>	<i>11-120</i>			
<i>2-Fluorophenol</i>						<i>ug/kg wet</i>	<i>84</i>	<i>58-147</i>			
<i>Surrogate:</i>						<i>ug/kg wet</i>					
<i>Nitrobenzene-d5</i>						<i>ug/kg wet</i>					
<i>Surrogate: Phenol-d5</i>						<i>ug/kg wet</i>					
<i>Surrogate:</i>						<i>ug/kg wet</i>					
<i>p-Terphenyl-d14</i>											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/14/10 (Lab Number:10E1005-BLK1, Batch: 10E1005)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/14/10 (Lab Number:10E1005-BS1, Batch: 10E1005)

Antimony	0.200	0.0200	NR	mg/L	0.203	102	80-120
Arsenic	0.200	0.0100	NR	mg/L	0.207	104	80-120
Barium	0.200	0.0020	NR	mg/L	0.196	98	80-120
Cadmium	0.200	0.0010	NR	mg/L	0.196	98	80-120
Chromium	0.200	0.0040	NR	mg/L	0.203	101	80-120
Copper	0.200	0.0100	NR	mg/L	0.195	98	80-120
Lead	0.200	0.0050	NR	mg/L	0.199	100	80-120
Nickel	0.200	0.0100	NR	mg/L	0.199	99	80-120
Selenium	0.200	0.0150	NR	mg/L	0.201	100	80-120
Silver	0.0500	0.0030	NR	mg/L	0.0498	100	80-120
Tin	0.200	0.0100	NR	mg/L	0.202	101	80-120
Zinc	0.200	0.0100	NR	mg/L	0.199	100	80-120

Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1005-MS1, Batch: 10E1005)

QC Source Sample: RTE0730-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.206	103	75-125
Arsenic	ND	0.200	0.0100	NR	mg/L	0.210	105	75-125
Barium	0.674	0.200	0.0020	NR	mg/L	0.876	101	75-125
Cadmium	ND	0.200	0.0010	NR	mg/L	0.195	97	75-125
Chromium	0.0523	0.200	0.0040	NR	mg/L	0.253	100	75-125
Copper	0.00331	0.200	0.0100	NR	mg/L	0.199	98	75-125
Lead	ND	0.200	0.0050	NR	mg/L	0.200	100	75-125
Nickel	0.0961	0.200	0.0100	NR	mg/L	0.295	99	75-125
Selenium	ND	0.200	0.0150	NR	mg/L	0.203	102	75-125
Silver	ND	0.0500	0.0030	NR	mg/L	0.0512	102	75-125

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1005-MS1, Batch: 10E1005)

QC Source Sample: RTE0730-01

Tin	ND	0.200	0.0100	NR	mg/L	0.203	101	75-125			
Zinc	0.00448	0.200	0.0100	NR	mg/L	0.203	99	75-125			

Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1005-MSD1, Batch: 10E1005)

QC Source Sample: RTE0730-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.201	101	75-125	2	20	
Arsenic	ND	0.200	0.0100	NR	mg/L	0.204	102	75-125	3	20	
Barium	0.674	0.200	0.0020	NR	mg/L	0.857	91	75-125	2	20	
Cadmium	ND	0.200	0.0010	NR	mg/L	0.190	95	75-125	2	20	
Chromium	0.0523	0.200	0.0040	NR	mg/L	0.228	88	75-125	10	20	
Copper	0.00331	0.200	0.0100	NR	mg/L	0.194	95	75-125	3	20	
Lead	ND	0.200	0.0050	NR	mg/L	0.195	98	75-125	3	20	
Nickel	0.0961	0.200	0.0100	NR	mg/L	0.292	98	75-125	0.9	20	
Selenium	ND	0.200	0.0150	NR	mg/L	0.200	100	75-125	1	20	
Silver	ND	0.0500	0.0030	NR	mg/L	0.0501	100	75-125	2	20	
Tin	ND	0.200	0.0100	NR	mg/L	0.201	100	75-125	1	20	
Zinc	0.00448	0.200	0.0100	NR	mg/L	0.198	97	75-125	3	20	

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/14/10 (Lab Number:10E1042-BLK1, Batch: 10E1042)

Mercury			0.0194	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1042-MS1, Batch: 10E1042)

QC Source Sample: RTE0731-01

Mercury	0.0942	0.453	0.0272	NR	mg/kg dry	0.534	97	75-125			

Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1042-MSD1, Batch: 10E1042)

QC Source Sample: RTE0731-01

Mercury	0.0942	0.495	0.0297	NR	mg/kg dry	0.580	98	75-125	8	20	

Reference Analyzed: 05/14/10 (Lab Number:10E1042-SRM1, Batch: 10E1042)

Mercury		2.96	0.170	NR	mg/kg wet	2.75	93	67.6-132.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/14/10 (Lab Number:10E1043-BLK1, Batch: 10E1043)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/14/10 (Lab Number:10E1043-BS1, Batch: 10E1043)

Mercury		0.00667	0.0002	NR	mg/L	0.00687	103	80-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/14/10 (Lab Number:10E1043-MS1, Batch: 10E1043)

QC Source Sample: RTE0730-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00683	102	75-125			

Matrix Spike Dup Analyzed: 05/14/10 (Lab Number:10E1043-MSD1, Batch: 10E1043)

QC Source Sample: RTE0730-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00685	103	75-125	0.2	20	

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/15/10 (Lab Number:10E1084-BLK1, Batch: 10E1084)

Antimony			13.6	0.5	mg/kg wet	ND					
Arsenic			1.8	NR	mg/kg wet	ND					
Barium			0.455	NR	mg/kg wet	ND					
Cadmium			0.182	NR	mg/kg wet	ND					
Chromium			0.455	NR	mg/kg wet	ND					
Copper			0.9	NR	mg/kg wet	ND					
Lead			0.9	NR	mg/kg wet	ND					
Nickel			4.55	NR	mg/kg wet	ND					
Selenium			3.6	NR	mg/kg wet	ND					
Silver			0.455	NR	mg/kg wet	ND					
Tin			1.8	NR	mg/kg wet	ND					
Zinc			1.8	NR	mg/kg wet	ND					B

Matrix Spike Analyzed: 05/15/10 (Lab Number:10E1084-MS1, Batch: 10E1084)

QC Source Sample: RTE0731-01

Antimony	ND	60.8	22.8	0.8	mg/kg dry	30.2	50	75-125			M1
Arsenic	2.62	60.8	3.0	NR	mg/kg dry	59.4	93	75-125			
Barium	48.2	60.8	1.00	NR	mg/kg dry	106	95	75-125			
Cadmium	0.332	60.8	0.304	NR	mg/kg dry	55.3	90	75-125			
Chromium	21.7	60.8	0.760	NR	mg/kg dry	81.3	98	75-125			
Copper	69.6	60.8	1.5	NR	mg/kg dry	127	94	75-125			
Lead	108	60.8	1.5	NR	mg/kg dry	161	88	75-125			
Nickel	15.2	60.8	7.60	NR	mg/kg dry	70.9	92	75-125			
Selenium	ND	60.8	6.1	NR	mg/kg dry	53.4	88	75-125			
Silver	0.210	15.2	1.00	NR	mg/kg dry	14.8	96	75-125			
Tin	1.95	60.8	3.0	NR	mg/kg dry	43.1	68	75-125			M1
Zinc	169	60.8	3.0	NR	mg/kg dry	229	100	75-125			

Matrix Spike Dup Analyzed: 05/15/10 (Lab Number:10E1084-MSD1, Batch: 10E1084)

QC Source Sample: RTE0731-01

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Dup Analyzed: 05/15/10 (Lab Number:10E1084-MSD1, Batch: 10E1084)

QC Source Sample: RTE0731-01

Antimony	ND	65.8	24.7	0.9	mg/kg dry	28.3	43	75-125	7	20	M1
Arsenic	2.62	65.8	3.3	NR	mg/kg dry	63.3	92	75-125	6	20	
Barium	48.2	65.8	1.00	NR	mg/kg dry	113	98	75-125	6	20	
Cadmium	0.332	65.8	0.329	NR	mg/kg dry	60.4	91	75-125	9	20	
Chromium	21.7	65.8	0.822	NR	mg/kg dry	87.1	99	75-125	7	20	
Copper	69.6	65.8	1.6	NR	mg/kg dry	128	89	75-125	0.9	20	
Lead	108	65.8	1.6	NR	mg/kg dry	175	102	75-125	8	20	
Nickel	15.2	65.8	8.22	NR	mg/kg dry	77.3	94	75-125	9	20	
Selenium	ND	65.8	6.6	NR	mg/kg dry	57.4	87	75-125	7	20	
Silver	0.210	16.4	1.00	NR	mg/kg dry	16.1	96	75-125	8	20	
Tin	1.95	65.8	3.3	NR	mg/kg dry	38.9	56	75-125	10	20	M1
Zinc	169	65.8	3.3	NR	mg/kg dry	240	109	75-125	5	20	

Reference Analyzed: 05/15/10 (Lab Number:10E1084-SRM1, Batch: 10E1084)

Antimony	103	15.0	0.5	mg/kg wet	45.4	44	25.4-279.6
Arsenic	107	2.0	NR	mg/kg wet	94.4	88	69.3-129.9
Barium	331	1.00	NR	mg/kg wet	295	89	74-126
Cadmium	244	0.200	NR	mg/kg wet	208	86	73.4-126.2
Chromium	80.9	0.499	NR	mg/kg wet	69.9	86	68.9-131.5
Copper	64.9	1.0	NR	mg/kg wet	58.0	89	73-127
Lead	107	1.0	NR	mg/kg wet	98.4	92	71.4-129
Nickel	96.9	4.99	NR	mg/kg wet	87.2	90	72.2-128.1
Selenium	177	4.0	NR	mg/kg wet	156	88	68.4-132.2
Silver	46.1	1.00	NR	mg/kg wet	41.7	90	66.2-133.5
Tin	183	2.0	NR	mg/kg wet	155	85	60.7-138.8
Zinc	377	2.0	NR	mg/kg wet	333	88	72.5-127.8

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/18/10 (Lab Number:10E1127-BLK1, Batch: 10E1127)

Antimony			0.0200	NR	mg/L	ND					P7
Arsenic			0.0100	NR	mg/L	ND					P7
Barium			0.0020	NR	mg/L	ND					P7
Cadmium			0.0010	NR	mg/L	ND					P7
Chromium			0.0040	NR	mg/L	ND					P7
Copper			0.0100	NR	mg/L	ND					P7
Lead			0.0050	NR	mg/L	ND					P7
Nickel			0.0100	NR	mg/L	ND					P7,B
Selenium			0.0150	NR	mg/L	ND					P7
Silver			0.0030	NR	mg/L	ND					P7
Tin			0.0100	NR	mg/L	ND					P7
Zinc			0.0100	NR	mg/L	ND					P7,B

LCS Analyzed: 05/18/10 (Lab Number:10E1127-BS1, Batch: 10E1127)

Antimony	0.200	0.0200	NR	mg/L	0.156	78	80-120	P7
Arsenic	0.200	0.0100	NR	mg/L	0.205	102	80-120	P7
Barium	0.200	0.0020	NR	mg/L	0.186	93	80-120	P7
Cadmium	0.200	0.0010	NR	mg/L	0.188	94	80-120	P7
Chromium	0.200	0.0040	NR	mg/L	0.193	97	80-120	P7
Copper	0.200	0.0100	NR	mg/L	0.180	90	80-120	P7
Lead	0.200	0.0050	NR	mg/L	0.192	96	80-120	P7
Nickel	0.200	0.0100	NR	mg/L	0.192	96	80-120	P7
Selenium	0.200	0.0150	NR	mg/L	0.216	108	80-120	P7
Silver	0.0500	0.0030	NR	mg/L	0.0495	99	80-120	P7
Tin	0.200	0.0100	NR	mg/L	0.163	82	80-120	P7
Zinc	0.200	0.0100	NR	mg/L	0.194	97	80-120	P7

Matrix Spike Analyzed: 05/18/10 (Lab Number:10E1127-MS1, Batch: 10E1127)

QC Source Sample: RTE0730-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.175	88	75-125	P7
Arsenic	ND	0.200	0.0100	NR	mg/L	0.207	103	75-125	P7
Barium	0.656	0.200	0.0020	NR	mg/L	0.815	79	75-125	P7
Cadmium	ND	0.200	0.0010	NR	mg/L	0.185	92	75-125	P7
Chromium	ND	0.200	0.0040	NR	mg/L	0.197	99	75-125	P7
Copper	ND	0.200	0.0100	NR	mg/L	0.184	92	75-125	P7
Lead	ND	0.200	0.0050	NR	mg/L	0.191	96	75-125	P7
Nickel	0.0895	0.200	0.0100	NR	mg/L	0.271	91	75-125	P7
Selenium	ND	0.200	0.0150	NR	mg/L	0.216	108	75-125	P7
Silver	ND	0.0500	0.0030	NR	mg/L	0.0502	100	75-125	P7

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/18/10 (Lab Number:10E1127-MS1, Batch: 10E1127)

QC Source Sample: RTE0730-01

Tin	ND	0.200	0.0100	NR	mg/L	0.176	88	75-125			P7
Zinc	0.00585	0.200	0.0100	NR	mg/L	0.192	93	75-125			P7

Matrix Spike Dup Analyzed: 05/18/10 (Lab Number:10E1127-MSD1, Batch: 10E1127)

QC Source Sample: RTE0730-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.176	88	75-125	0.5	20	P7
Arsenic	ND	0.200	0.0100	NR	mg/L	0.207	103	75-125	0.02	20	P7
Barium	0.656	0.200	0.0020	NR	mg/L	0.820	82	75-125	0.7	20	P7
Cadmium	ND	0.200	0.0010	NR	mg/L	0.186	93	75-125	0.6	20	P7
Chromium	ND	0.200	0.0040	NR	mg/L	0.196	98	75-125	0.5	20	P7
Copper	ND	0.200	0.0100	NR	mg/L	0.184	92	75-125	0.3	20	P7
Lead	ND	0.200	0.0050	NR	mg/L	0.191	96	75-125	0.2	20	P7
Nickel	0.0895	0.200	0.0100	NR	mg/L	0.272	91	75-125	0.2	20	P7
Selenium	ND	0.200	0.0150	NR	mg/L	0.217	108	75-125	0.5	20	P7
Silver	ND	0.0500	0.0030	NR	mg/L	0.0509	102	75-125	1	20	P7
Tin	ND	0.200	0.0100	NR	mg/L	0.177	88	75-125	0.1	20	P7
Zinc	0.00585	0.200	0.0100	NR	mg/L	0.191	93	75-125	0.4	20	P7

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/17/10 (Lab Number:10E1131-BLK1, Batch: 10E1131)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					B
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/17/10 (Lab Number:10E1131-BS1, Batch: 10E1131)

Antimony	0.200	0.0200	NR	mg/L	0.200	100	80-120
Arsenic	0.200	0.0100	NR	mg/L	0.201	100	80-120
Barium	0.200	0.0020	NR	mg/L	0.187	94	80-120
Cadmium	0.200	0.0010	NR	mg/L	0.191	96	80-120

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

LCS Analyzed: 05/17/10 (Lab Number:10E1131-BS1, Batch: 10E1131)

Chromium		0.200	0.0040	NR	mg/L	0.198	99	80-120			
Copper		0.200	0.0100	NR	mg/L	0.190	95	80-120			
Lead		0.200	0.0050	NR	mg/L	0.196	98	80-120			
Nickel		0.200	0.0100	NR	mg/L	0.193	97	80-120			
Selenium		0.200	0.0150	NR	mg/L	0.198	99	80-120			
Silver		0.0500	0.0030	NR	mg/L	0.0494	99	80-120			
Tin		0.200	0.0100	NR	mg/L	0.199	99	80-120			
Zinc		0.200	0.0100	NR	mg/L	0.194	97	80-120			

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/17/10 (Lab Number:10E1238-BLK1, Batch: 10E1238)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/17/10 (Lab Number:10E1238-BS1, Batch: 10E1238)

Mercury		0.00667	0.0004	NR	mg/L	0.00708	106	80-120			

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/17/10 (Lab Number:10E1239-BLK1, Batch: 10E1239)

Mercury			0.0002	NR	mg/L	ND					P7

LCS Analyzed: 05/17/10 (Lab Number:10E1239-BS1, Batch: 10E1239)

Mercury		0.00667	0.0002	NR	mg/L	0.00690	104	80-120			P7

Matrix Spike Analyzed: 05/17/10 (Lab Number:10E1239-MS1, Batch: 10E1239)

QC Source Sample: RTE0730-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00687	103	75-125			P7

Matrix Spike Dup Analyzed: 05/17/10 (Lab Number:10E1239-MSD1, Batch: 10E1239)

QC Source Sample: RTE0730-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00693	104	75-125	1	20	P7

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/18/10 (Lab Number:10E1392-BLK1, Batch: 10E1392)

Antimony			0.0200	NR	mg/L	ND					

LCS Analyzed: 05/18/10 (Lab Number:10E1392-BS1, Batch: 10E1392)

Antimony		0.200	0.0200	NR	mg/L	0.204	102	80-120			

Matrix Spike Analyzed: 05/18/10 (Lab Number:10E1392-MS1, Batch: 10E1392)

QC Source Sample: RTE0730-01RE1

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0730
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/13/10
Reported: 05/19/10 16:02

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/18/10 (Lab Number:10E1392-MS1, Batch: 10E1392)

QC Source Sample: RTE0730-01RE1

Antimony	ND	0.200	0.0200	NR	mg/L	0.207	104	75-125			

Matrix Spike Dup Analyzed: 05/18/10 (Lab Number:10E1392-MSD1, Batch: 10E1392)

QC Source Sample: RTE0730-01RE1

Antimony	ND	0.200	0.0200	NR	mg/L	0.206	103	75-125	0.6	20	

TestAmerica

Temperature on Receipt

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

TAL-4124 (100%)

Client	Mactec Eng. + Consulting	Project Manager	Scott Keesling	Date	5/12/16	Chain of Custody Number	139923
Address	3200 Town Point Dr. N.W., Suite 100	Telephone Number (Area Code, Fax Number)		770-421-2441		Lab Number	Page 1 of 1

City	State	Zip Code	Site Contact	Log Contact	Analysis (Attach list if more space is needed)
Kennesaw	GA	30144	Rick Walzak	Brian Fischer	202 878 7777
Project Name and Location (State)			Contract Number		

Project Van Keec - Confidential NY State Project Contract Purchase Order/Quota No.	Containers & Preservatives	Matrix	Quota # 48232714 PO 20026714	Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description <i>(Containers for each sample may be combined on one line)</i>	Date	Time	Sawyer	FOSCH	EDWIN	HOPKINS	HOPKINS

	Date	Time	Field Filtered	Need lab filtration
MW-05-13R	5/12/10	11:27	X X X X	
MW-05-13R-DUP		11:35	X X X X	
MW-05-13R-MS		11:27	X X X X	
MW-05-13R-MSD		11:27	X X X X	
RB-05/12/10		12:00	X X X X	

[illegible]

110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563

Turn Around Time Required	~	☐ 7 Days	☐ 14 Days	☒ 21 Days	☐ Other _____	OC Requirements (Specify) Per Quote

Requester	Date	Time	Data	Time
1. Requester By: Pub 610/bak to Fed-ex	5/12/10	19:00		
1. Received by: [Signature]	7-8-8-6		Ch 26	08-54

2. Relinquished By	Date	Time	2. Received By	Date	Time
<i>[Signature]</i>	11/11/00	11:00	<i>[Signature]</i>	11/11/00	11:00

3. Requisitioned By	Date	Time	3. Received By	Date	Time

Comments	Ag	As	Ba	Ca	Co	Cr	Fe	Li	Ni	Pb	Se	Sn	Other
Metals													Please note which Dissolved Metals

0222. 987687 + 607686
 Samples require laboratory filtration
 DISTRIBUTION: WHITE - Returned to Patient with Report; CANADIAN - Samples with log Samples; MINIX - Florida Corp
 520607(2) - 5/985
 Custody

Analytical Report

Work Order: RTE0966

Project Description
New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, May 24, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M11	The MS and/or MSD were above the acceptance limits.
Z5	Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-01 (B-81516 - Solid)						Sampled: 05/18/10 14:40		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	5.8	J	28	4.7	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Cyclohexane	2.3	J	5.6	0.78	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Methylene Chloride	25	B	5.6	2.6	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
1,2,4-Trimethylbenzene	4.2	J	11	4.2	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Naphthalene	8.7	J, B	11	3.0	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Toluene	6.1	J, B	11	1.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	36	J	200	3.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(a)pyrene	44	J	200	4.7	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(b)fluoranthene	70	J	200	3.8	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(ghi)perylene	50	J	200	2.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(k)fluoranthene	22	J	200	2.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Bis(2-ethylhexyl) phthalate	1600		200	62	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Chrysene	45	J	200	1.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Di-n-octyl phthalate	85	J	200	4.5	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Fluoranthene	80	J	200	2.8	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	41	J	200	5.4	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Phenanthrene	33	J	200	4.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Pyrene	67	J	200	1.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	24.7		0.581	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Chromium	6.96		0.581	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Copper	8.6		1.2	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Lead	6.5		1.2	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Nickel	6.27		5.81	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Zinc	17.1		2.3	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	87		0.010	NR	%	1.00	05/20/10 09:45	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-02 (B-80001 - Solid)						Sampled: 05/18/10 14:10		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Methylene Chloride	13	B	4.7	2.2	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
Toluene	4.4	J, B	12	1.5	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	65	J	210	3.5	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(a)pyrene	89	J	210	4.9	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(b)fluoranthene	130	J	210	4.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(ghi)perylene	96	J	210	2.5	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(k)fluoranthene	39	J	210	2.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Bis(2-ethylhexyl) phthalate	460		210	66	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Chrysene	97	J	210	2.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	20	J	210	2.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Di-n-octyl phthalate	23	J	210	4.8	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Fluoranthene	170	J	210	3.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	77	J	210	5.7	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Phenanthrene	62	J	210	4.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Pyrene	140	J	210	1.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	44.5		0.578	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Chromium	8.21		0.578	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Copper	12.3		1.2	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Lead	28.2		1.2	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Nickel	9.13		5.78	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Zinc	35.3		2.3	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Mercury	0.0488		0.0228	NR	mg/kg dry	1.00	05/20/10 16:55	MXM	10E1471	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	82		0.010	NR	%	1.00	05/20/10 09:47	BML	10E1522	Dry Weight
Sample ID: RTE0966-03 (B-60001 - Solid)						Sampled: 05/18/10 11:30		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Methylene Chloride	15	B	5.1	2.3	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	40.8		0.591	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Chromium	10.6		0.591	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Copper	15.5		1.2	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Lead	6.0		1.2	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Nickel	11.7		5.91	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Zinc	26.8		2.4	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	83		0.010	NR	%	1.00	05/20/10 09:49	BMI	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-04 (B-62324 - Solid)					Sampled: 05/18/10 12:35			Recvd: 05/19/10 08:40		
Volatile Organic Compounds by EPA 8260B										
Acetone	8.0	J	26	4.3	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Methylene Chloride	17	B	5.1	2.4	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	2000		200	65	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Di-n-octyl phthalate	40	J	200	4.7	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Total Metals by SW 846 Series Methods										
Barium	47.4		0.607	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Chromium	13.5		0.607	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Copper	19.8		1.2	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Lead	4.0		1.2	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Nickel	10.8		6.07	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Zinc	19.4		2.4	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
General Chemistry Parameters										
Percent Solids	82		0.010	NR	%	1.00	05/20/10 09:51	BML	10E1522	Dry Weight
Sample ID: RTE0966-05 (B-72122 - Solid)					Sampled: 05/18/10 10:30			Recvd: 05/19/10 08:40		
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	22	B	5.7	2.6	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Total Metals by SW 846 Series Methods										
Barium	52.2		0.619	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Chromium	7.13		0.619	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Copper	7.4		1.2	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Lead	3.8		1.2	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Nickel	8.70		6.19	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Zinc	18.8		2.5	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
General Chemistry Parameters										
Percent Solids	81		0.010	NR	%	1.00	05/20/10 09:53	BML	10E1522	Dry Weight
Sample ID: RTE0966-06 (B-70001 - Solid)					Sampled: 05/18/10 09:45			Recvd: 05/19/10 08:40		
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	14	B	4.9	2.3	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Semivolatile Organics by GC/MS										
Bis(2-ethylhexyl) phthalate	77	J	200	63	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Total Metals by SW 846 Series Methods										
Barium	25.1		0.612	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Chromium	6.82		0.612	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Copper	10.0		1.2	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Lead	3.8		1.2	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-06 (B-70001 - Solid) - cont.						Sampled: 05/18/10 09:45		Recvd: 05/19/10 08:40		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Nickel	8.67		6.12	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Zinc	16.9		2.4	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/20/10 09:55	BML	10E1522	Dry Weight
Sample ID: RTE0966-07 (B-90001 - Solid)						Sampled: 05/18/10 15:05		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Methylene Chloride	13	B	5.1	2.3	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
Toluene	4.9	J, B	12	1.5	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	92	J	200	3.5	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(a)pyrene	130	J	200	4.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(b)fluoranthene	190	J	200	3.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(ghi)perylene	140	J	200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(k)fluoranthene	61	J	200	2.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Bis(2-ethylhexyl) phthalate	620		200	65	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Chrysene	140	J	200	2.0	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	30	J	200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Fluoranthene	260		200	2.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	110	J	200	5.6	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Phenanthrene	94	J	200	4.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Pyrene	200		200	1.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	19.8		0.565	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Chromium	6.65		0.565	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Copper	8.6		1.1	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Lead	10.7		1.1	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Nickel	7.30		5.65	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Zinc	27.1		2.3	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	83		0.010	NR	%	1.00	05/20/10 09:57	BMI	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-81516	RTE0966-01	Solid	05/18/10 14:40	05/19/10 08:40	
B-80001	RTE0966-02	Solid	05/18/10 14:10	05/19/10 08:40	
B-60001	RTE0966-03	Solid	05/18/10 11:30	05/19/10 08:40	
B-62324	RTE0966-04	Solid	05/18/10 12:35	05/19/10 08:40	
B-72122	RTE0966-05	Solid	05/18/10 10:30	05/19/10 08:40	
B-70001	RTE0966-06	Solid	05/18/10 09:45	05/19/10 08:40	
B-90001	RTE0966-07	Solid	05/18/10 15:05	05/19/10 08:40	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-01 (B-81516 - Solid)						Sampled: 05/18/10 14:40		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.6	0.40	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		5.6	0.90	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		5.6	0.72	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,1-Dichloroethane	ND		5.6	0.68	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,1-Dichloroethene	ND		5.6	0.68	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		5.6	2.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dibromoethane	ND		5.6	0.71	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		5.6	0.44	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dichloroethane	ND		5.6	0.28	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dichloropropane	ND		5.6	2.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		5.6	0.29	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		5.6	0.78	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
2-Butanone	ND		28	2.0	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
2-Hexanone	ND		28	2.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		28	1.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Acetone	5.8	J	28	4.7	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Benzene	ND		5.6	0.27	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Bromodichloromethane	ND		5.6	0.75	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Bromoform	ND		5.6	2.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Bromomethane	ND		5.6	0.50	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Carbon disulfide	ND		5.6	2.8	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Carbon Tetrachloride	ND		5.6	0.54	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Chlorobenzene	ND		5.6	0.73	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Dibromochloromethane	ND		5.6	0.71	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Chloroethane	ND		5.6	1.3	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Chloroform	ND		5.6	0.34	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Chloromethane	ND		5.6	0.34	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		5.6	0.71	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND		5.6	0.80	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Cyclohexane	2.3	J	5.6	0.78	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Dichlorodifluoromethane	ND		5.6	0.46	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Ethylbenzene	ND		5.6	0.38	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Isopropylbenzene	ND		5.6	0.84	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Methyl Acetate	ND		5.6	1.0	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.6	0.55	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Methylcyclohexane	ND		5.6	0.85	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Methylene Chloride	25	B	5.6	2.6	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Styrene	ND		5.6	0.28	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Tetrachloroethene	ND		5.6	0.75	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Toluene	ND		5.6	0.42	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
trans-1,2-Dichloroethene	ND		5.6	0.57	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
trans-1,3-Dichloropropene	ND		5.6	2.4	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Trichloroethene	ND		5.6	1.2	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Trichlorofluoromethane	ND		5.6	0.53	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
Vinyl chloride	ND		5.6	0.68	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-01 (B-81516 - Solid) - cont.

Sampled: 05/18/10 14:40

Recvd: 05/19/10 08:40

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		11	0.93	ug/kg dry	1.00	05/20/10 20:22	PQ	10E1615	8260B
1,2-Dichloroethane-d4	87 %			Surr Limits: (64-126%)			05/20/10 20:22	PQ	10E1615	8260B
4-Bromofluorobenzene	112 %			Surr Limits: (72-126%)			05/20/10 20:22	PQ	10E1615	8260B
Toluene-d8	114 %			Surr Limits: (71-125%)			05/20/10 20:22	PQ	10E1615	8260B

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	4.2	J	11	4.2	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
1,3,5-Trimethylbenzene	ND		11	3.9	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
4-Isopropyltoluene	ND		11	2.1	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Benzene	ND		11	9.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Ethylbenzene	ND		11	4.6	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Isopropylbenzene	ND		11	4.1	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Methyl tert-Butyl Ether	ND		11	5.8	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
m-Xylene & p-Xylene	ND		23	9.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Naphthalene	8.7	J, B	11	3.0	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
n-Butylbenzene	ND		11	3.6	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
n-Propylbenzene	ND		11	1.2	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
o-Xylene	ND		11	4.7	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
sec-Butylbenzene	ND		11	1.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
tert-Butylbenzene	ND		11	1.3	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Toluene	6.1	J, B	11	1.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
Xylenes, total	ND		23	9.4	ug/kg dry	1.00	05/20/10 10:25	DGB	10E1566	8021B
4-Bromofluorobenzene	71 %			Surr Limits: (66-138%)			05/20/10 10:25	DGB	10E1566	8021B
a,a,a-Trifluorotoluene	69 %	Z5		Surr Limits: (78-118%)			05/20/10 10:25	DGB	10E1566	8021B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		200	42	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		200	10	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		200	52	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		380	68	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		200	30	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		200	47	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Chloronaphthalene	ND		200	13	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Chlorophenol	ND		200	9.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Methylnaphthalene	ND		200	2.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Methylphenol	ND		200	6.0	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Nitroaniline	ND		380	62	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2-Nitrophenol	ND		200	8.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	200	170	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
3-Nitroaniline	ND		380	45	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		380	67	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		200	62	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		200	8.0	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Chloroaniline	ND		200	57	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		200	4.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-01 (B-81516 - Solid) - cont.						Sampled: 05/18/10 14:40		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
4-Nitroaniline	ND		380	22	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Acenaphthene	ND		200	2.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Acetophenone	ND		200	9.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Anthracene	ND		200	5.0	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Atrazine	ND		200	8.6	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzaldehyde	ND		200	21	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(a)anthracene	36	J	200	3.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(a)pyrene	44	J	200	4.7	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(b)fluoranthene	70	J	200	3.8	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(ghi)perylene	50	J	200	2.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Benzo(k)fluoranthene	22	J	200	2.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Biphenyl	ND		200	12	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropane)	ND		200	20	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	1600		200	62	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Butyl benzyl phthalate	ND		200	52	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Caprolactam	ND		200	84	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Carbazole	ND		200	2.2	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Chrysene	45	J	200	1.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	ND		200	2.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Dibenzofuran	ND		200	2.0	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Diethyl phthalate	ND		200	5.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Dimethyl phthalate	ND		200	5.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		200	67	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Di-n-octyl phthalate	85	J	200	4.5	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Fluoranthene	80	J	200	2.8	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Fluorene	ND		200	4.5	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Hexachlorobenzene	ND		200	9.6	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Hexachlorobutadiene	ND		200	9.9	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		200	59	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Hexachloroethane	ND		200	15	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	41	J	200	5.4	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Isophorone	ND		200	9.7	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Naphthalene	ND		200	3.2	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Nitrobenzene	ND		200	8.6	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		200	15	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Pentachlorophenol	ND		380	66	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Phenanthrene	33	J	200	4.1	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Phenol	ND		200	20	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
Pyrene	67	J	200	1.3	ug/kg dry	1.00	05/20/10 17:43	MKP	10E1490	8270C
2,4,6-Tribromophenol	92 %		Surr Limits: (39-146%)				05/20/10 17:43	MKP	10E1490	8270C
2-Fluorobiphenyl	88 %		Surr Limits: (37-120%)				05/20/10 17:43	MKP	10E1490	8270C

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-01 (B-81516 - Solid) - cont.						Sampled: 05/18/10 14:40		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
2-Fluorophenol	74 %						05/20/10 17:43	MKP	10E1490	8270C
Nitrobenzene-d5	73 %						05/20/10 17:43	MKP	10E1490	8270C
Phenol-d5	83 %						05/20/10 17:43	MKP	10E1490	8270C
p-Terphenyl-d14	90 %						05/20/10 17:43	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		17.4	0.6	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Arsenic	ND		2.3	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Barium	24.7		0.581	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Cadmium	ND		0.232	NR	mg/kg dry	1.00	05/23/10 17:11	LMH	10E1564	6010B
Chromium	6.96		0.581	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Copper	8.6		1.2	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Lead	6.5		1.2	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Nickel	6.27		5.81	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Selenium	ND		4.6	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Silver	ND		0.581	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Tin	ND		2.3	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Zinc	17.1		2.3	NR	mg/kg dry	1.00	05/21/10 23:03	DAN	10E1564	6010B
Mercury	ND		0.0230	NR	mg/kg dry	1.00	05/20/10 16:53	MXM	10E1471	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	87		0.010	NR	%	1.00	05/20/10 09:45	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-02 (B-80001 - Solid)						Sampled: 05/18/10 14:10		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	4.7	0.34	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		4.7	0.76	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		4.7	0.61	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,1-Dichloroethane	ND		4.7	0.57	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,1-Dichloroethene	ND		4.7	0.57	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		4.7	0.28	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		4.7	2.3	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dibromoethane	ND		4.7	0.60	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		4.7	0.37	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dichloroethane	ND		4.7	0.24	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dichloropropane	ND		4.7	2.3	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		4.7	0.24	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		4.7	0.66	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
2-Butanone	ND		23	1.7	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
2-Hexanone	ND		23	2.3	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		23	1.5	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Acetone	ND		23	3.9	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Benzene	ND		4.7	0.23	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Bromodichloromethane	ND		4.7	0.63	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Bromoform	ND		4.7	2.3	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Bromomethane	ND		4.7	0.42	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Carbon disulfide	ND		4.7	2.3	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Carbon Tetrachloride	ND		4.7	0.45	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Chlorobenzene	ND		4.7	0.62	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Dibromochloromethane	ND		4.7	0.60	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Chloroethane	ND		4.7	1.1	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Chloroform	ND		4.7	0.29	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Chloromethane	ND		4.7	0.28	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		4.7	0.60	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND		4.7	0.67	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Cyclohexane	ND		4.7	0.66	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Dichlorodifluoromethane	ND		4.7	0.39	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Ethylbenzene	ND		4.7	0.32	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Isopropylbenzene	ND		4.7	0.71	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Methyl Acetate	ND		4.7	0.87	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.7	0.46	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Methylcyclohexane	ND		4.7	0.71	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Methylene Chloride	13		4.7	2.2	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Styrene	ND		4.7	0.23	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
Tetrachloroethene	ND	4.7	0.63	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
Toluene	ND	4.7	0.35	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
trans-1,2-Dichloroethene	ND	4.7	0.48	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
trans-1,3-Dichloropropene	ND	4.7	2.1	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
Trichloroethene	ND	4.7	1.0	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
Trichlorofluoromethane	ND	4.7	0.44	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	
Vinyl chloride	ND	4.7	0.57	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-02 (B-80001 - Solid) - cont.

Sampled: 05/18/10 14:10

Recvd: 05/19/10 08:40

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		9.4	0.79	ug/kg dry	1.00	05/20/10 20:48	PQ	10E1615	8260B
1,2-Dichloroethane-d4	82 %		Surr Limits: (64-126%)				05/20/10 20:48	PQ	10E1615	8260B
4-Bromofluorobenzene	102 %		Surr Limits: (72-126%)				05/20/10 20:48	PQ	10E1615	8260B
Toluene-d8	103 %		Surr Limits: (71-125%)				05/20/10 20:48	PQ	10E1615	8260B

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	ND		12	4.5	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
1,3,5-Trimethylbenzene	ND		12	4.1	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
4-Isopropyltoluene	ND		12	2.2	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Benzene	ND		12	10	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Ethylbenzene	ND		12	4.9	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Isopropylbenzene	ND		12	4.3	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Methyl tert-Butyl Ether	ND		12	6.2	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
m-Xylene & p-Xylene	ND		24	10	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Naphthalene	ND		12	3.2	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
n-Butylbenzene	ND		12	3.9	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
n-Propylbenzene	ND		12	1.3	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
o-Xylene	ND		12	5.0	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
sec-Butylbenzene	ND		12	1.5	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
tert-Butylbenzene	ND		12	1.4	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Toluene	4.4	J, B	12	1.5	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
Xylenes, total	ND		24	10	ug/kg dry	1.00	05/20/10 10:55	DGB	10E1566	8021B
4-Bromofluorobenzene	72 %		Surr Limits: (66-138%)				05/20/10 10:55	DGB	10E1566	8021B
a,a,a-Trifluorotoluene	71 %	Z5	Surr Limits: (78-118%)				05/20/10 10:55	DGB	10E1566	8021B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		210	55	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		400	72	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		210	50	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Chlorophenol	ND		210	10	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Methylnaphthalene	ND		210	2.5	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Methylphenol	ND		210	6.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Nitroaniline	ND		400	66	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2-Nitrophenol	ND		210	9.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	210	180	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
3-Nitroaniline	ND		400	47	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		400	71	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		210	65	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		210	8.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Chloroaniline	ND		210	60	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Methylphenol	ND		400	11	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-02 (B-80001 - Solid) - cont.						Sampled: 05/18/10 14:10		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
4-Nitrophenol	ND		400	50	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Acenaphthene	ND		210	2.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Anthracene	ND		210	5.2	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Atrazine	ND		210	9.1	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzaldehyde	ND		210	22	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(a)anthracene	65	J	210	3.5	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(a)pyrene	89	J	210	4.9	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(b)fluoranthene	130	J	210	4.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(ghi)perylene	96	J	210	2.5	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Benzo(k)fluoranthene	39	J	210	2.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropane)	ND		210	21	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	460		210	66	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Butyl benzyl phthalate	ND		210	55	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Caprolactam	ND		210	89	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Chrysene	97	J	210	2.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	20	J	210	2.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Dibenzofuran	ND		210	2.1	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Diethyl phthalate	ND		210	6.2	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Dimethyl phthalate	ND		210	5.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		210	71	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Di-n-octyl phthalate	23	J	210	4.8	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Fluoranthene	170	J	210	3.0	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Fluorene	ND		210	4.7	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Hexachlorobutadiene	ND		210	10	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		210	62	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	77	J	210	5.7	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Naphthalene	ND		210	3.4	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Nitrobenzene	ND		210	9.1	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		210	16	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	210	11	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Pentachlorophenol	ND		400	70	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Phenanthrene	62	J	210	4.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Phenol	ND		210	22	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
Pyrene	140	J	210	1.3	ug/kg dry	1.00	05/20/10 18:07	MKP	10E1490	8270C
2,4,6-Tribromophenol	88 %		Surr Limits: (39-146%)				05/20/10 18:07	MKP	10E1490	8270C
2-Fluorobiphenyl	76 %		Surr Limits: (37-120%)				05/20/10 18:07	MKP	10E1490	8270C

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-02 (B-80001 - Solid) - cont.						Sampled: 05/18/10 14:10		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
2-Fluorophenol	57 %						05/20/10 18:07	MKP	10E1490	8270C
Nitrobenzene-d5	58 %						05/20/10 18:07	MKP	10E1490	8270C
Phenol-d5	70 %						05/20/10 18:07	MKP	10E1490	8270C
p-Terphenyl-d14	83 %						05/20/10 18:07	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		17.3	0.6	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Arsenic	ND		2.3	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Barium	44.5		0.578	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Cadmium	ND		0.231	NR	mg/kg dry	1.00	05/23/10 17:36	LMH	10E1564	6010B
Chromium	8.21		0.578	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Copper	12.3		1.2	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Lead	28.2		1.2	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Nickel	9.13		5.78	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Selenium	ND		4.6	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Silver	ND		0.578	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Tin	ND		2.3	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Zinc	35.3		2.3	NR	mg/kg dry	1.00	05/21/10 23:28	DAN	10E1564	6010B
Mercury	0.0488		0.0228	NR	mg/kg dry	1.00	05/20/10 16:55	MXM	10E1471	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	82		0.010	NR	%	1.00	05/20/10 09:47	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-03 (B-60001 - Solid)						Sampled: 05/18/10 11:30		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	5.1	0.37	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		5.1	0.82	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		5.1	0.66	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,1-Dichloroethane	ND		5.1	0.62	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,1-Dichloroethene	ND		5.1	0.62	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dibromoethane	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		5.1	0.40	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dichloroethane	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dichloropropane	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		5.1	0.26	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		5.1	0.71	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
2-Butanone	ND		25	1.9	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
2-Hexanone	ND		25	2.5	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		25	1.7	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Acetone	ND		25	4.3	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Benzene	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Bromodichloromethane	ND		5.1	0.68	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Bromoform	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Bromomethane	ND		5.1	0.46	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Carbon disulfide	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Carbon Tetrachloride	ND		5.1	0.49	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Chlorobenzene	ND		5.1	0.67	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Dibromochloromethane	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Chloroethane	ND		5.1	1.1	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Chloroform	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Chloromethane	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND		5.1	0.73	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Cyclohexane	ND		5.1	0.71	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Dichlorodifluoromethane	ND		5.1	0.42	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Ethylbenzene	ND		5.1	0.35	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Isopropylbenzene	ND		5.1	0.76	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Methyl Acetate	ND		5.1	0.94	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.1	0.50	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Methylcyclohexane	ND		5.1	0.77	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Methylene Chloride	15		5.1	2.3	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Styrene	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
Tetrachloroethene	ND	5.1	0.68	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
Toluene	ND	5.1	0.38	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
trans-1,2-Dichloroethene	ND	5.1	0.52	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
trans-1,3-Dichloropropene	ND	5.1	2.2	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
Trichloroethene	ND	5.1	1.1	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
Trichlorofluoromethane	ND	5.1	0.48	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	
Vinyl chloride	ND	5.1	0.62	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-03 (B-60001 - Solid) - cont.						Sampled: 05/18/10 11:30		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		10	0.85	ug/kg dry	1.00	05/20/10 21:13	PQ	10E1615	8260B
1,2-Dichloroethane-d4	83 %		Surr Limits: (64-126%)				05/20/10 21:13	PQ	10E1615	8260B
4-Bromofluorobenzene	100 %		Surr Limits: (72-126%)				05/20/10 21:13	PQ	10E1615	8260B
Toluene-d8	102 %		Surr Limits: (71-125%)				05/20/10 21:13	PQ	10E1615	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		200	44	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		200	11	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		200	55	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		400	71	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		200	31	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		200	50	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Chloronaphthalene	ND		200	14	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Chlorophenol	ND		200	10	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Methylnaphthalene	ND		200	2.5	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Methylphenol	ND		200	6.2	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Nitroaniline	ND		400	65	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2-Nitrophenol	ND		200	9.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	200	180	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
3-Nitroaniline	ND		400	47	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		400	70	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		200	65	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		200	8.4	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Chloroaniline	ND		200	60	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		200	4.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Methylphenol	ND		400	11	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
4-Nitrophenol	ND		400	49	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Acenaphthene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Acenaphthylene	ND		200	1.7	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Anthracene	ND		200	5.2	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Atrazine	ND		200	9.0	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzaldehyde	ND		200	22	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzo(a)anthracene	ND		200	3.5	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzo(a)pyrene	ND		200	4.9	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzo(b)fluoranthene	ND		200	3.9	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzo(ghi)perylene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Benzo(k)fluoranthene	ND		200	2.2	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Biphenyl	ND		200	13	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		200	18	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		200	21	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	ND		200	65	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-03 (B-60001 - Solid) - cont.

Sampled: 05/18/10 11:30

Recvd: 05/19/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		200	55	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Caprolactam	ND		200	88	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Chrysene	ND		200	2.0	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Dibenzofuran	ND		200	2.1	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Diethyl phthalate	ND		200	6.1	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Dimethyl phthalate	ND		200	5.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		200	70	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Di-n-octyl phthalate	ND		200	4.7	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Fluoranthene	ND		200	2.9	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Fluorene	ND		200	4.7	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Hexachlorobenzene	ND		200	10	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		200	61	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Hexachloroethane	ND		200	16	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	ND		200	5.6	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Isophorone	ND		200	10	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Naphthalene	ND		200	3.4	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Nitrobenzene	ND		200	9.0	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		200	16	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Pentachlorophenol	ND		400	70	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Phenanthrene	ND		200	4.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Phenol	ND		200	21	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
Pyrene	ND		200	1.3	ug/kg dry	1.00	05/20/10 18:30	MKP	10E1490	8270C
2,4,6-Tribromophenol	78 %		Surr Limits: (39-146%)				05/20/10 18:30	MKP	10E1490	8270C
2-Fluorobiphenyl	68 %		Surr Limits: (37-120%)				05/20/10 18:30	MKP	10E1490	8270C
2-Fluorophenol	58 %		Surr Limits: (18-120%)				05/20/10 18:30	MKP	10E1490	8270C
Nitrobenzene-d5	58 %		Surr Limits: (34-132%)				05/20/10 18:30	MKP	10E1490	8270C
Phenol-d5	64 %		Surr Limits: (11-120%)				05/20/10 18:30	MKP	10E1490	8270C
p-Terphenyl-d14	76 %		Surr Limits: (58-147%)				05/20/10 18:30	MKP	10E1490	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	17.7	0.6	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Arsenic	ND	2.4	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Barium	40.8	0.591	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Cadmium	ND	0.237	NR	mg/kg dry	1.00	05/23/10 17:41	LMH	10E1564	6010B
Chromium	10.6	0.591	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Copper	15.5	1.2	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Lead	6.0	1.2	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Nickel	11.7	5.91	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Selenium	ND	4.7	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Silver	ND	0.591	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Tin	ND	2.4	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Zinc	26.8	2.4	NR	mg/kg dry	1.00	05/21/10 23:34	DAN	10E1564	6010B
Mercury	ND	0.0220	NR	mg/kg dry	1.00	05/20/10 16:56	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-03 (B-60001 - Solid) - cont.					Sampled: 05/18/10 11:30			Recvd: 05/19/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	83		0.010	NR	%	1.00	05/20/10 09:49	BML	10E1522	Dry Weight

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Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-04 (B-62324 - Solid)						Sampled: 05/18/10 12:35		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	J	5.1	0.37	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		5.1	0.83	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		5.1	0.67	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,1-Dichloroethane	ND		5.1	0.63	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,1-Dichloroethene	ND		5.1	0.63	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		5.1	2.6	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dibromoethane	ND		5.1	0.66	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		5.1	0.40	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dichloroethane	ND		5.1	0.26	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dichloropropane	ND		5.1	2.6	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		5.1	0.26	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		5.1	0.72	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
2-Butanone	ND		26	1.9	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
2-Hexanone	ND		26	2.6	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		26	1.7	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Acetone	8.0		26	4.3	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Benzene	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Bromodichloromethane	ND		5.1	0.69	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Bromoform	ND	5.1	2.6	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Bromomethane	ND	5.1	0.46	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Carbon disulfide	ND	5.1	2.6	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Carbon Tetrachloride	ND	5.1	0.50	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Chlorobenzene	ND	5.1	0.68	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Dibromochloromethane	ND	5.1	0.66	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Chloroethane	ND	5.1	1.2	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Chloroform	ND	5.1	0.32	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Chloromethane	ND	5.1	0.31	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
cis-1,2-Dichloroethene	ND	5.1	0.66	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
cis-1,3-Dichloropropene	ND	5.1	0.74	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Cyclohexane	ND	5.1	0.72	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Dichlorodifluoromethane	ND	5.1	0.42	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Ethylbenzene	ND	5.1	0.35	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Isopropylbenzene	ND	5.1	0.78	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Methyl Acetate	ND	5.1	0.96	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	0.51	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B	
Methylcyclohexane	ND	B	5.1	0.78	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Methylene Chloride	17		5.1	2.4	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Styrene	ND		5.1	0.26	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Tetrachloroethene	ND		5.1	0.69	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Toluene	ND		5.1	0.39	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
trans-1,2-Dichloroethene	ND		5.1	0.53	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Trichloroethene	ND		5.1	1.1	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Trichlorofluoromethane	ND		5.1	0.49	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
Vinyl chloride	ND		5.1	0.63	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-04 (B-62324 - Solid) - cont.						Sampled: 05/18/10 12:35		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		10	0.86	ug/kg dry	1.00	05/20/10 21:39	PQ	10E1615	8260B
1,2-Dichloroethane-d4	82 %		Surr Limits: (64-126%)				05/20/10 21:39	PQ	10E1615	8260B
4-Bromofluorobenzene	103 %		Surr Limits: (72-126%)				05/20/10 21:39	PQ	10E1615	8260B
Toluene-d8	106 %		Surr Limits: (71-125%)				05/20/10 21:39	PQ	10E1615	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		200	44	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		200	11	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		200	55	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		400	71	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		200	31	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		200	50	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Chloronaphthalene	ND		200	14	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Chlorophenol	ND		200	10	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Methylnaphthalene	ND		200	2.5	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Methylphenol	ND		200	6.2	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Nitroaniline	ND		400	65	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2-Nitrophenol	ND		200	9.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	200	180	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
3-Nitroaniline	ND		400	47	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		400	70	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		200	65	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		200	8.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Chloroaniline	ND		200	60	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		200	4.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Methylphenol	ND		400	11	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
4-Nitrophenol	ND		400	49	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Acenaphthene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Acenaphthylene	ND		200	1.7	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Anthracene	ND		200	5.2	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Atrazine	ND		200	9.0	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzaldehyde	ND		200	22	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzo(a)anthracene	ND		200	3.5	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzo(a)pyrene	ND		200	4.9	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzo(b)fluoranthene	ND		200	3.9	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzo(ghi)perylene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Benzo(k)fluoranthene	ND		200	2.2	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Biphenyl	ND		200	13	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		200	18	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		200	21	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	2000		200	65	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
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Project Number: MACTEC-0006

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Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-04 (B-62324 - Solid) - cont.						Sampled: 05/18/10 12:35		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Butyl benzyl phthalate	ND		200	54	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Caprolactam	ND		200	88	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Chrysene	ND		200	2.0	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	ND		200	2.4	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Dibenzofuran	ND		200	2.1	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Diethyl phthalate	ND		200	6.1	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Dimethyl phthalate	ND		200	5.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		200	70	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Di-n-octyl phthalate	40	J	200	4.7	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Fluoranthene	ND		200	2.9	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Fluorene	ND		200	4.7	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Hexachlorobenzene	ND		200	10	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		200	61	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Hexachloroethane	ND		200	16	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	ND		200	5.6	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Isophorone	ND		200	10	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Naphthalene	ND		200	3.4	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Nitrobenzene	ND		200	9.0	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		200	16	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Pentachlorophenol	ND		400	70	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Phenanthrene	ND		200	4.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Phenol	ND		200	21	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
Pyrene	ND		200	1.3	ug/kg dry	1.00	05/20/10 18:54	MKP	10E1490	8270C
2,4,6-Tribromophenol	92 %		Surr Limits: (39-146%)				05/20/10 18:54	MKP	10E1490	8270C
2-Fluorobiphenyl	88 %		Surr Limits: (37-120%)				05/20/10 18:54	MKP	10E1490	8270C
2-Fluorophenol	74 %		Surr Limits: (18-120%)				05/20/10 18:54	MKP	10E1490	8270C
Nitrobenzene-d5	74 %		Surr Limits: (34-132%)				05/20/10 18:54	MKP	10E1490	8270C
Phenol-d5	84 %		Surr Limits: (11-120%)				05/20/10 18:54	MKP	10E1490	8270C
p-Terphenyl-d14	90 %		Surr Limits: (58-147%)				05/20/10 18:54	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		18.2	0.7	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Arsenic	ND		2.4	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Barium	47.4		0.607	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Cadmium	ND		0.243	NR	mg/kg dry	1.00	05/23/10 17:59	LMH	10E1564	6010B
Chromium	13.5		0.607	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Copper	19.8		1.2	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Lead	4.0		1.2	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Nickel	10.8		6.07	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Selenium	ND		4.9	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Silver	ND		0.607	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Tin	ND		2.4	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Zinc	19.4		2.4	NR	mg/kg dry	1.00	05/21/10 23:39	DAN	10E1564	6010B
Mercury	ND		0.0213	NR	mg/kg dry	1.00	05/20/10 16:59	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-04 (B-62324 - Solid) - cont.						Sampled: 05/18/10 12:35		Recvd: 05/19/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	82		0.010	NR	%	1.00	05/20/10 09:51	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-05 (B-72122 - Solid)						Sampled: 05/18/10 10:30		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	5.7	0.42	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		5.7	0.93	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		5.7	0.75	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,1-Dichloroethane	ND		5.7	0.70	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,1-Dichloroethene	ND		5.7	0.70	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		5.7	0.35	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		5.7	2.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dibromoethane	ND		5.7	0.74	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		5.7	0.45	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dichloroethane	ND		5.7	0.29	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dichloropropane	ND		5.7	2.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		5.7	0.30	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		5.7	0.80	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
2-Butanone	ND		29	2.1	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
2-Hexanone	ND		29	2.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		29	1.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Acetone	ND		29	4.8	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Benzene	ND		5.7	0.28	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Bromodichloromethane	ND		5.7	0.77	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Bromoform	ND		5.7	2.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Bromomethane	ND		5.7	0.52	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Carbon disulfide	ND		5.7	2.9	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Carbon Tetrachloride	ND		5.7	0.56	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Chlorobenzene	ND		5.7	0.76	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Dibromochloromethane	ND		5.7	0.74	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Chloroethane	ND		5.7	1.3	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Chloroform	ND		5.7	0.36	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
Chloromethane	ND		5.7	0.35	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		5.7	0.74	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND	5.7	0.83	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Cyclohexane	ND	5.7	0.80	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Dichlorodifluoromethane	ND	5.7	0.47	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Ethylbenzene	ND	5.7	0.40	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Isopropylbenzene	ND	5.7	0.87	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Methyl Acetate	ND	5.7	1.1	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Methyl-t-Butyl Ether (MTBE)	ND	5.7	0.56	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Methylcyclohexane	ND	5.7	0.87	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Methylene Chloride	22	5.7	2.6	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Styrene	ND	5.7	0.29	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Tetrachloroethene	ND	5.7	0.77	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Toluene	ND	5.7	0.43	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
trans-1,2-Dichloroethene	ND	5.7	0.59	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
trans-1,3-Dichloropropene	ND	5.7	2.5	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Trichloroethene	ND	5.7	1.3	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Trichlorofluoromethane	ND	5.7	0.54	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	
Vinyl chloride	ND	5.7	0.70	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-05 (B-72122 - Solid) - cont.						Sampled: 05/18/10 10:30		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		11	0.97	ug/kg dry	1.00	05/20/10 22:04	PQ	10E1615	8260B
1,2-Dichloroethane-d4	83 %		Surr Limits: (64-126%)				05/20/10 22:04	PQ	10E1615	8260B
4-Bromofluorobenzene	102 %		Surr Limits: (72-126%)				05/20/10 22:04	PQ	10E1615	8260B
Toluene-d8	105 %		Surr Limits: (71-125%)				05/20/10 22:04	PQ	10E1615	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		210	45	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		210	14	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		210	56	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		400	72	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		210	32	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		210	51	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Chloronaphthalene	ND		210	14	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Chlorophenol	ND		210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Methylnaphthalene	ND		210	2.5	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Methylphenol	ND		210	6.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Nitroaniline	ND		400	66	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2-Nitrophenol	ND		210	9.5	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	210	180	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
3-Nitroaniline	ND		400	48	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		400	71	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		210	66	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		210	8.5	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Chloroaniline	ND		210	61	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		210	4.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Methylphenol	ND		400	12	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Nitroaniline	ND		400	23	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
4-Nitrophenol	ND		400	50	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Acenaphthene	ND		210	2.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Acenaphthylene	ND		210	1.7	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Acetophenone	ND		210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Anthracene	ND		210	5.3	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Atrazine	ND		210	9.2	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzaldehyde	ND		210	23	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzo(a)anthracene	ND		210	3.6	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzo(a)pyrene	ND		210	5.0	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzo(b)fluoranthene	ND		210	4.0	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzo(ghi)perylene	ND		210	2.5	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Benzo(k)fluoranthene	ND		210	2.3	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Biphenyl	ND		210	13	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		210	18	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		210	22	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	ND		210	67	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-05 (B-72122 - Solid) - cont.

Sampled: 05/18/10 10:30

Recvd: 05/19/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		210	56	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Caprolactam	ND		210	90	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Carbazole	ND		210	2.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Chrysene	ND		210	2.1	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	ND		210	2.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Dibenzofuran	ND		210	2.2	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Diethyl phthalate	ND		210	6.3	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Dimethyl phthalate	ND		210	5.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		210	72	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Di-n-octyl phthalate	ND		210	4.8	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Fluoranthene	ND		210	3.0	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Fluorene	ND		210	4.8	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Hexachlorobenzene	ND		210	10	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Hexachlorobutadiene	ND		210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		210	63	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Hexachloroethane	ND		210	16	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	ND		210	5.7	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Isophorone	ND		210	10	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Naphthalene	ND		210	3.4	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Nitrobenzene	ND		210	9.2	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		210	16	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	210	11	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Pentachlorophenol	ND		400	71	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Phenanthrene	ND		210	4.3	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Phenol	ND		210	22	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
Pyrene	ND		210	1.3	ug/kg dry	1.00	05/20/10 19:18	MKP	10E1490	8270C
2,4,6-Tribromophenol	90 %		Surr Limits: (39-146%)				05/20/10 19:18	MKP	10E1490	8270C
2-Fluorobiphenyl	72 %		Surr Limits: (37-120%)				05/20/10 19:18	MKP	10E1490	8270C
2-Fluorophenol	66 %		Surr Limits: (18-120%)				05/20/10 19:18	MKP	10E1490	8270C
Nitrobenzene-d5	62 %		Surr Limits: (34-132%)				05/20/10 19:18	MKP	10E1490	8270C
Phenol-d5	72 %		Surr Limits: (11-120%)				05/20/10 19:18	MKP	10E1490	8270C
p-Terphenyl-d14	88 %		Surr Limits: (58-147%)				05/20/10 19:18	MKP	10E1490	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	18.6	0.7	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Arsenic	ND	2.5	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Barium	52.2	0.619	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Cadmium	ND	0.248	NR	mg/kg dry	1.00	05/23/10 18:04	LMH	10E1564	6010B
Chromium	7.13	0.619	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Copper	7.4	1.2	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Lead	3.8	1.2	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Nickel	8.70	6.19	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Selenium	ND	5.0	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Silver	ND	0.619	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Tin	ND	2.5	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Zinc	18.8	2.5	NR	mg/kg dry	1.00	05/21/10 23:57	DAN	10E1564	6010B
Mercury	ND	0.0242	NR	mg/kg dry	1.00	05/20/10 17:01	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-05 (B-72122 - Solid) - cont.					Sampled: 05/18/10 10:30			Recvd: 05/19/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	81		0.010	NR	%	1.00	05/20/10 09:53	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-06 (B-70001 - Solid)						Sampled: 05/18/10 09:45		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	4.9	0.36	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		4.9	0.79	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		4.9	0.64	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,1-Dichloroethane	ND		4.9	0.60	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,1-Dichloroethene	ND		4.9	0.60	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		4.9	2.4	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dibromoethane	ND		4.9	0.63	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		4.9	0.38	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dichloroethane	ND		4.9	0.25	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dichloropropane	ND		4.9	2.4	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		4.9	0.25	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		4.9	0.69	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
2-Butanone	ND		24	1.8	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
2-Hexanone	ND		24	2.4	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		24	1.6	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Acetone	ND		24	4.1	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Benzene	ND		4.9	0.24	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Bromodichloromethane	ND		4.9	0.66	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Bromoform	ND		4.9	2.4	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Bromomethane	ND		4.9	0.44	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Carbon disulfide	ND		4.9	2.4	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Carbon Tetrachloride	ND		4.9	0.47	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Chlorobenzene	ND		4.9	0.65	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Dibromochloromethane	ND		4.9	0.63	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Chloroethane	ND		4.9	1.1	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Chloroform	ND		4.9	0.30	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Chloromethane	ND		4.9	0.30	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Cyclohexane	ND		4.9	0.69	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Dichlorodifluoromethane	ND		4.9	0.40	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Ethylbenzene	ND		4.9	0.34	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Isopropylbenzene	ND		4.9	0.74	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Methyl Acetate	ND		4.9	0.91	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.9	0.48	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Methylcyclohexane	ND		4.9	0.74	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Methylene Chloride	14		4.9	2.3	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Styrene	ND		4.9	0.24	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
Tetrachloroethene	ND	4.9	0.66	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
Toluene	ND	4.9	0.37	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
trans-1,2-Dichloroethene	ND	4.9	0.51	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
trans-1,3-Dichloropropene	ND	4.9	2.2	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
Trichloroethene	ND	4.9	1.1	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
Trichlorofluoromethane	ND	4.9	0.46	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	
Vinyl chloride	ND	4.9	0.60	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-06 (B-70001 - Solid) - cont.						Sampled: 05/18/10 09:45		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		9.8	0.82	ug/kg dry	1.00	05/20/10 22:30	PQ	10E1615	8260B
1,2-Dichloroethane-d4	80 %		Surr Limits: (64-126%)				05/20/10 22:30	PQ	10E1615	8260B
4-Bromofluorobenzene	101 %		Surr Limits: (72-126%)				05/20/10 22:30	PQ	10E1615	8260B
Toluene-d8	102 %		Surr Limits: (71-125%)				05/20/10 22:30	PQ	10E1615	8260B
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		200	43	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		200	10	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		200	53	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		380	68	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		200	30	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		200	48	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Chloronaphthalene	ND		200	13	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Chlorophenol	ND		200	9.9	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Methylnaphthalene	ND		200	2.4	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Methylphenol	ND		200	6.0	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Nitroaniline	ND		380	63	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2-Nitrophenol	ND		200	8.9	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	200	170	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
3-Nitroaniline	ND		380	45	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		380	67	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		200	62	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		200	8.0	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Chloroaniline	ND		200	57	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		200	4.2	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Nitroaniline	ND		380	22	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Acenaphthene	ND		200	2.3	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Anthracene	ND		200	5.0	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Atrazine	ND		200	8.7	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzaldehyde	ND		200	21	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzo(a)anthracene	ND		200	3.4	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzo(a)pyrene	ND		200	4.7	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzo(b)fluoranthene	ND		200	3.8	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzo(ghi)perylene	ND		200	2.3	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Benzo(k)fluoranthene	ND		200	2.1	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Biphenyl	ND		200	12	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		200	20	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	77	J	200	63	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-06 (B-70001 - Solid) - cont.

Sampled: 05/18/10 09:45

Recvd: 05/19/10 08:40

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		200	52	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Caprolactam	ND		200	84	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Chrysene	ND		200	1.9	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	ND		200	2.3	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Dibenzofuran	ND		200	2.0	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Diethyl phthalate	ND		200	5.9	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Dimethyl phthalate	ND		200	5.1	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		200	67	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Di-n-octyl phthalate	ND		200	4.6	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Fluoranthene	ND		200	2.8	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Fluorene	ND		200	4.5	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Hexachlorobenzene	ND		200	9.7	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		200	59	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Hexachloroethane	ND		200	15	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	ND		200	5.4	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Isophorone	ND		200	9.7	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Naphthalene	ND		200	3.2	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Nitrobenzene	ND		200	8.6	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		200	15	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Pentachlorophenol	ND		380	67	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Phenanthrene	ND		200	4.1	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Phenol	ND		200	21	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
Pyrene	ND		200	1.3	ug/kg dry	1.00	05/20/10 19:41	MKP	10E1490	8270C
2,4,6-Tribromophenol	89 %		Surr Limits: (39-146%)				05/20/10 19:41	MKP	10E1490	8270C
2-Fluorobiphenyl	72 %		Surr Limits: (37-120%)				05/20/10 19:41	MKP	10E1490	8270C
2-Fluorophenol	61 %		Surr Limits: (18-120%)				05/20/10 19:41	MKP	10E1490	8270C
Nitrobenzene-d5	60 %		Surr Limits: (34-132%)				05/20/10 19:41	MKP	10E1490	8270C
Phenol-d5	69 %		Surr Limits: (11-120%)				05/20/10 19:41	MKP	10E1490	8270C
p-Terphenyl-d14	91 %		Surr Limits: (58-147%)				05/20/10 19:41	MKP	10E1490	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		18.4	0.7	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Arsenic	ND		2.4	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Barium	25.1		0.612	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Cadmium	ND		0.245	NR	mg/kg dry	1.00	05/23/10 18:09	LMH	10E1564	6010B
Chromium	6.82		0.612	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Copper	10.0		1.2	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Lead	3.8		1.2	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Nickel	8.67		6.12	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Selenium	ND		4.9	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Silver	ND		0.612	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Tin	ND		2.4	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Zinc	16.9		2.4	NR	mg/kg dry	1.00	05/22/10 00:02	DAN	10E1564	6010B
Mercury	ND		0.0212	NR	mg/kg dry	1.00	05/20/10 17:06	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-06 (B-70001 - Solid) - cont.					Sampled: 05/18/10 09:45			Recvd: 05/19/10 08:40		
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/20/10 09:55	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-07 (B-90001 - Solid)						Sampled: 05/18/10 15:05		Recvd: 05/19/10 08:40		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	5.1	0.37	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,1,2,2-Tetrachloroethane	ND		5.1	0.82	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,1,2-Trichloroethane	ND		5.1	0.66	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,1-Dichloroethane	ND		5.1	0.62	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,1-Dichloroethene	ND		5.1	0.62	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dibromo-3-chloropropane	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dibromoethane	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dichlorobenzene	ND		5.1	0.40	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dichloroethane	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dichloropropane	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,3-Dichlorobenzene	ND		5.1	0.26	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,4-Dichlorobenzene	ND		5.1	0.71	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
2-Butanone	ND		25	1.9	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
2-Hexanone	ND		25	2.5	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
4-Methyl-2-pentanone	ND		25	1.7	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Acetone	ND		25	4.3	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Benzene	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Bromodichloromethane	ND		5.1	0.68	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Bromoform	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Bromomethane	ND		5.1	0.46	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Carbon disulfide	ND		5.1	2.5	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Carbon Tetrachloride	ND		5.1	0.49	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Chlorobenzene	ND		5.1	0.67	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Dibromochloromethane	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Chloroethane	ND		5.1	1.1	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Chloroform	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Chloromethane	ND		5.1	0.31	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
cis-1,2-Dichloroethene	ND		5.1	0.65	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
cis-1,3-Dichloropropene	ND		5.1	0.73	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Cyclohexane	ND		5.1	0.71	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Dichlorodifluoromethane	ND		5.1	0.42	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Ethylbenzene	ND		5.1	0.35	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Isopropylbenzene	ND		5.1	0.76	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Methyl Acetate	ND		5.1	0.94	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.1	0.50	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Methylcyclohexane	ND		5.1	0.77	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Methylene Chloride	13		5.1	2.3	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Styrene	ND		5.1	0.25	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
Tetrachloroethene	ND	5.1	0.68	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
Toluene	ND	5.1	0.38	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
trans-1,2-Dichloroethene	ND	5.1	0.52	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
trans-1,3-Dichloropropene	ND	5.1	2.2	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
Trichloroethene	ND	5.1	1.1	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
Trichlorofluoromethane	ND	5.1	0.48	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	
Vinyl chloride	ND	5.1	0.62	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE0966-07 (B-90001 - Solid) - cont.

Sampled: 05/18/10 15:05

Recvd: 05/19/10 08:40

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		10	0.85	ug/kg dry	1.00	05/20/10 22:55	PQ	10E1615	8260B
1,2-Dichloroethane-d4	80 %		Surr Limits: (64-126%)				05/20/10 22:55	PQ	10E1615	8260B
4-Bromofluorobenzene	98 %		Surr Limits: (72-126%)				05/20/10 22:55	PQ	10E1615	8260B
Toluene-d8	99 %		Surr Limits: (71-125%)				05/20/10 22:55	PQ	10E1615	8260B

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	ND		12	4.4	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
1,3,5-Trimethylbenzene	ND		12	4.0	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
4-Isopropyltoluene	ND		12	2.2	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Benzene	ND		12	9.8	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Ethylbenzene	ND		12	4.8	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Isopropylbenzene	ND		12	4.2	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Methyl tert-Butyl Ether	ND		12	6.1	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
m-Xylene & p-Xylene	ND		24	9.9	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Naphthalene	ND		12	3.2	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
n-Butylbenzene	ND		12	3.8	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
n-Propylbenzene	ND		12	1.3	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
o-Xylene	ND		12	4.9	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
sec-Butylbenzene	ND		12	1.5	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
tert-Butylbenzene	ND		12	1.4	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Toluene	4.9	J, B	12	1.5	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
Xylenes, total	ND		24	9.9	ug/kg dry	1.00	05/20/10 11:25	DGB	10E1566	8021B
4-Bromofluorobenzene	77 %		Surr Limits: (66-138%)				05/20/10 11:25	DGB	10E1566	8021B
a,a,a-Trifluorotoluene	77 %	Z5	Surr Limits: (78-118%)				05/20/10 11:25	DGB	10E1566	8021B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		200	44	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4-Dichlorophenol	ND		200	11	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4-Dimethylphenol	ND		200	54	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4-Dinitrophenol	ND		390	71	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4-Dinitrotoluene	ND		200	31	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,6-Dinitrotoluene	ND		200	49	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Chloronaphthalene	ND		200	14	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Chlorophenol	ND		200	10	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Methylnaphthalene	ND		200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Methylphenol	ND		200	6.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Nitroaniline	ND		390	65	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2-Nitrophenol	ND		200	9.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
3,3'-Dichlorobenzidine	ND	L	200	180	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
3-Nitroaniline	ND		390	46	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4,6-Dinitro-2-methylphenol	ND		390	70	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Bromophenyl phenyl ether	ND		200	64	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Chloro-3-methylphenol	ND		200	8.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Chloroaniline	ND		200	59	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Chlorophenyl phenyl ether	ND		200	4.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Methylphenol	ND		390	11	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-07 (B-90001 - Solid) - cont.						Sampled: 05/18/10 15:05		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
4-Nitroaniline	ND		390	23	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
4-Nitrophenol	ND		390	49	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Acenaphthene	ND		200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Anthracene	ND		200	5.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Atrazine	ND		200	9.0	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzaldehyde	ND		200	22	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(a)anthracene	92	J	200	3.5	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(a)pyrene	130	J	200	4.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(b)fluoranthene	190	J	200	3.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(ghi)perylene	140	J	200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Benzo(k)fluoranthene	61	J	200	2.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Biphenyl	ND		200	13	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,2'-Oxybis(1-Chloropropane)	ND		200	21	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Bis(2-ethylhexyl)phthalate	620		200	65	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Butyl benzyl phthalate	ND		200	54	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Caprolactam	ND		200	87	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Chrysene	140	J	200	2.0	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Dibenzo(a,h)anthracene	30	J	200	2.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Dibenzofuran	ND		200	2.1	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Diethyl phthalate	ND		200	6.1	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Dimethyl phthalate	ND		200	5.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Di-n-butyl phthalate	ND		200	70	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Di-n-octyl phthalate	ND		200	4.7	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Fluoranthene	260		200	2.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Fluorene	ND		200	4.6	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Hexachlorobenzene	ND		200	10	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Hexachlorocyclopentadiene	ND		200	61	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Hexachloroethane	ND		200	16	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Indeno(1,2,3-cd)pyrene	110	J	200	5.6	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Isophorone	ND		200	10	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Naphthalene	ND		200	3.4	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Nitrobenzene	ND		200	8.9	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
N-Nitrosodi-n-propylamine	ND		200	16	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Pentachlorophenol	ND		390	69	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Phenanthrene	94	J	200	4.2	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Phenol	ND		200	21	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
Pyrene	200		200	1.3	ug/kg dry	1.00	05/20/10 20:05	MKP	10E1490	8270C
2,4,6-Tribromophenol	88 %		Surr Limits: (39-146%)				05/20/10 20:05	MKP	10E1490	8270C
2-Fluorobiphenyl	79 %		Surr Limits: (37-120%)				05/20/10 20:05	MKP	10E1490	8270C

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE0966-07 (B-90001 - Solid) - cont.						Sampled: 05/18/10 15:05		Recvd: 05/19/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
2-Fluorophenol	66 %						05/20/10 20:05	MKP	10E1490	8270C
Nitrobenzene-d5	64 %						05/20/10 20:05	MKP	10E1490	8270C
Phenol-d5	76 %						05/20/10 20:05	MKP	10E1490	8270C
p-Terphenyl-d14	81 %						05/20/10 20:05	MKP	10E1490	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		17.0	0.6	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Arsenic	ND		2.3	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Barium	19.8		0.565	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Cadmium	ND		0.226	NR	mg/kg dry	1.00	05/23/10 18:14	LMH	10E1564	6010B
Chromium	6.65		0.565	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Copper	8.6		1.1	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Lead	10.7		1.1	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Nickel	7.30		5.65	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Selenium	ND		4.5	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Silver	ND		0.565	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Tin	ND		2.3	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Zinc	27.1		2.3	NR	mg/kg dry	1.00	05/22/10 00:07	DAN	10E1564	6010B
Mercury	ND		0.0238	NR	mg/kg dry	1.00	05/20/10 17:08	MXM	10E1471	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	83		0.010	NR	%	1.00	05/20/10 09:57	BML	10E1522	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10E1522	RTE0966-01	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-02	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-03	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-04	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-05	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-06	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Dry Weight	10E1522	RTE0966-07	10.00	g	10.00	g	05/19/10 16:35	LTT	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10E1490	RTE0966-01	30.01	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-03	30.10	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-07	30.21	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-02	30.25	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-05	30.30	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-06	30.35	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
8270C	10E1490	RTE0966-04	30.56	g	1.00	mL	05/19/10 15:00	KMB	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10E1564	RTE0966-06	0.48	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-01	0.49	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-05	0.50	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-04	0.50	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-03	0.51	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-02	0.53	g	50.00	mL	05/20/10 09:10	KCW	3050B
6010B	10E1564	RTE0966-07	0.53	g	50.00	mL	05/20/10 09:10	KCW	3050B
7471A	10E1471	RTE0966-01	0.60	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-07	0.61	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-05	0.61	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-02	0.64	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-03	0.66	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-06	0.66	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE0966-04	0.69	g	50.00	mL	05/20/10 14:15	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10E1615	RTE0966-01	5.16	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
8260B	10E1615	RTE0966-05	5.39	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
8260B	10E1615	RTE0966-07	5.94	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
8260B	10E1615	RTE0966-03	5.95	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
8260B	10E1615	RTE0966-04	5.95	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8260B	10E1615	RTE0966-06	5.96	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
8260B	10E1615	RTE0966-02	6.53	g	5.00	mL	05/20/10 13:00	PJQ	5030B MS
Volatile Organic Compounds by EPA Method 8021A									
8021B	10E1566	RTE0966-01	5.00	g	250.00	mL	05/19/10 14:26	DGB	Methanol Prep GV
8021B	10E1566	RTE0966-02	5.00	g	250.00	mL	05/19/10 14:26	DGB	Methanol Prep GV
8021B	10E1566	RTE0966-07	5.00	g	250.00	mL	05/19/10 14:26	DGB	Methanol Prep GV

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatiles Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1615-BLK1, Batch: 10E1615)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1615-BLK1, Batch: 10E1615)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	4.3					J
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4											
					ug/kg wet		90	64-126			
Surrogate: 4-Bromofluorobenzene											
					ug/kg wet		115	72-126			
Surrogate: Toluene-d8											
					ug/kg wet		117	71-125			
LCS Analyzed: 05/20/10 (Lab Number:10E1615-BS1, Batch: 10E1615)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	44.8	90	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	52.8	106	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	49.8	100	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	39.9	80	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	44.2	88	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	41.6	83	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	50.7	101	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	43.8	88	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	51.3	103	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	49.9	100	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	40.0	80	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	46.5	93	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	50.3	101	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	50.2	100	82-113			
2-Butanone		250	25	1.8	ug/kg wet	240	96	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	253	101	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	250	100	74-128			
Acetone		250	25	4.2	ug/kg wet	215	86	61-137			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/20/10 (Lab Number:10E1615-BS1, Batch: 10E1615)											
Benzene		50.0	5.0	0.24	ug/kg wet	46.9	94	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	39.9	80	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	38.8	78	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	29.2	58	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	37.0	74	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	37.9	76	75-128			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	49.4	99	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	40.8	82	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	38.3	77	69-136			
Chloroform		50.0	5.0	0.31	ug/kg wet	44.2	88	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	44.8	90	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	46.4	93	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	43.0	86	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	49.8	100	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	45.4	91	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.8	98	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	49.7	99	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	46.6	93	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	43.8	88	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	46.6	93	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	50.8	102	61-127			B
Styrene		50.0	5.0	0.25	ug/kg wet	50.1	100	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	49.3	99	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	50.9	102	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	45.9	92	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	42.8	86	80-119			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.1	92	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	40.0	80	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	43.4	87	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	148	98	82-120			
<i>Surrogate:</i>					<i>ug/kg wet</i>		<i>89</i>	<i>64-126</i>			
<i>1,2-Dichloroethane-d4</i>					<i>ug/kg wet</i>		<i>109</i>	<i>72-126</i>			
<i>Surrogate:</i>					<i>ug/kg wet</i>		<i>109</i>	<i>71-125</i>			
<i>4-Bromofluorobenzene</i>					<i>ug/kg wet</i>		<i>109</i>	<i>71-125</i>			
<i>Surrogate: Toluene-d8</i>					<i>ug/kg wet</i>		<i>109</i>	<i>71-125</i>			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA Method 8021A</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1566-BLK1, Batch: 10E1566)											
1,2,4-Trimethylbenzene			10	3.7	ug/kg wet	ND					
1,3,5-Trimethylbenzene			10	3.4	ug/kg wet	ND					
4-Isopropyltoluene			10	1.8	ug/kg wet	ND					
Benzene			10	8.2	ug/kg wet	ND					
Ethylbenzene			10	4.0	ug/kg wet	ND					
Isopropylbenzene			10	3.5	ug/kg wet	ND					
Methyl tert-Butyl Ether			10	5.0	ug/kg wet	ND					
m-Xylene & p-Xylene			20	8.2	ug/kg wet	ND					
Naphthalene			10	2.6	ug/kg wet	7.3					J
n-Butylbenzene			10	3.2	ug/kg wet	ND					
n-Propylbenzene			10	1.0	ug/kg wet	ND					
o-Xylene			10	4.1	ug/kg wet	ND					
sec-Butylbenzene			10	1.2	ug/kg wet	ND					
tert-Butylbenzene			10	1.2	ug/kg wet	ND					
Toluene			10	1.2	ug/kg wet	3.8					J
Xylenes, total			20	8.2	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	84	66-138			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	83	78-118			
<i>a,a,a-Trifluorotoluene</i>											
LCS Analyzed: 05/20/10 (Lab Number:10E1566-BS1, Batch: 10E1566)											
1,2,4-Trimethylbenzene		200	10	3.7	ug/kg wet	215	107	77-122			
1,3,5-Trimethylbenzene		200	10	3.4	ug/kg wet	224	112	78-114			
4-Isopropyltoluene		200	10	1.8	ug/kg wet	215	108	71-135			
Benzene		200	10	8.2	ug/kg wet	214	107	71-130			
Ethylbenzene		200	10	4.0	ug/kg wet	216	108	76-129			
Isopropylbenzene		200	10	3.5	ug/kg wet	212	106	77-138			
Methyl tert-Butyl Ether		200	10	5.0	ug/kg wet	229	115	58-135			
m-Xylene & p-Xylene		400	20	8.2	ug/kg wet	450	113	70-130			
Naphthalene		200	10	2.6	ug/kg wet	203	101	60-146			B
n-Butylbenzene		200	10	3.2	ug/kg wet	208	104	78-125			
n-Propylbenzene		200	10	1.0	ug/kg wet	220	110	38-163			
o-Xylene		200	10	4.1	ug/kg wet	218	109	78-124			
sec-Butylbenzene		200	10	1.2	ug/kg wet	210	105	68-135			
tert-Butylbenzene		200	10	1.2	ug/kg wet	208	104	78-128			
Toluene		200	10	1.2	ug/kg wet	215	108	75-132			B
Xylenes, total		600	20	8.2	ug/kg wet	668	111	73-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA Method 8021A</u>											
LCS Analyzed: 05/20/10 (Lab Number:10E1566-BS1, Batch: 10E1566)											
Surrogate:					ug/kg wet		85	66-138			
4-Bromofluorobenzene											
Surrogate:					ug/kg wet		79	78-118			
a,a,a-Trifluorotoluene											
LCS Dup Analyzed: 05/20/10 (Lab Number:10E1566-BSD1, Batch: 10E1566)											
1,2,4-Trimethylbenzene		200	10	3.7	ug/kg wet	217	109	77-122	1	30	
1,3,5-Trimethylbenzene		200	10	3.4	ug/kg wet	225	112	78-114	0.4	30	
4-Isopropyltoluene		200	10	1.8	ug/kg wet	221	110	71-135	3	35	
Benzene		200	10	8.2	ug/kg wet	209	104	71-130	3	35	
Ethylbenzene		200	10	4.0	ug/kg wet	215	107	76-129	0.4	35	
Isopropylbenzene		200	10	3.5	ug/kg wet	214	107	77-138	0.9	35	
Methyl tert-Butyl Ether		200	10	5.0	ug/kg wet	227	114	58-135	0.8	30	
m-Xylene & p-Xylene		400	20	8.2	ug/kg wet	447	112	70-130	0.8	30	
Naphthalene		200	10	2.6	ug/kg wet	211	106	60-146	4	30	B
n-Butylbenzene		200	10	3.2	ug/kg wet	217	109	78-125	5	35	
n-Propylbenzene		200	10	1.0	ug/kg wet	221	111	38-163	0.6	30	
o-Xylene		200	10	4.1	ug/kg wet	215	108	78-124	1	30	
sec-Butylbenzene		200	10	1.2	ug/kg wet	215	108	68-135	3	35	
tert-Butylbenzene		200	10	1.2	ug/kg wet	209	104	78-128	0.5	35	
Toluene		200	10	1.2	ug/kg wet	212	106	75-132	1	30	B
Xylenes, total		600	20	8.2	ug/kg wet	662	110	73-127	1	30	
Surrogate:					ug/kg wet		84	66-138			
4-Bromofluorobenzene											
Surrogate:					ug/kg wet		81	78-118			
a,a,a-Trifluorotoluene											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1490-BLK1, Batch: 10E1490)											
2,4,5-Trichlorophenol			170	37	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND					
2,4-Dimethylphenol			170	45	ug/kg wet	ND					
2,4-Dinitrophenol			330	59	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.5	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.2	ug/kg wet	ND					
2-Nitroaniline			330	54	ug/kg wet	ND					
2-Nitrophenol			170	7.7	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	39	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND					
4-Methylphenol			330	9.3	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	41	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.6	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.5	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.3	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					

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Reported: 05/24/10 12:06

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1490-BLK1, Batch: 10E1490)											
Bis(2-chloroethoxy)methane			170	9.1	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	18	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	73	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.1	ug/kg wet	ND					
Dimethyl phthalate			170	4.4	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.9	ug/kg wet	ND					
Hexachlorobenzene			170	8.3	ug/kg wet	ND					
Hexachlorobutadiene			170	8.6	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.4	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.4	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.2	ug/kg wet	ND					
Pentachlorophenol			330	58	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					ug/kg wet		72	39-146			
Surrogate: 2-Fluorobiphenyl					ug/kg wet		80	37-120			
Surrogate: 2-Fluorophenol					ug/kg wet		69	18-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/20/10 (Lab Number:10E1490-BLK1, Batch: 10E1490)											
Surrogate:					ug/kg wet		68	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		76	11-120			
Surrogate:					ug/kg wet		92	58-147			
p-Terphenyl-d14											
LCS Analyzed: 05/20/10 (Lab Number:10E1490-BS1, Batch: 10E1490)											
2,4,5-Trichlorophenol		3330	170	37	ug/kg wet	3550	106	59-126			
2,4,6-Trichlorophenol		3330	170	11	ug/kg wet	3400	102	59-123			
2,4-Dichlorophenol		3330	170	8.8	ug/kg wet	3000	90	52-120			
2,4-Dimethylphenol		3330	170	46	ug/kg wet	2930	88	36-120			
2,4-Dinitrophenol		3330	330	59	ug/kg wet	2530	76	35-146			
2,4-Dinitrotoluene		3330	170	26	ug/kg wet	3750	113	55-125			
2,6-Dinitrotoluene		3330	170	41	ug/kg wet	3850	116	66-128			
2-Chloronaphthalene		3330	170	11	ug/kg wet	3030	91	57-120			
2-Chlorophenol		3330	170	8.6	ug/kg wet	2640	79	38-120			
2-Methylnaphthalene		3330	170	2.0	ug/kg wet	3020	91	47-120			
2-Methylphenol		3330	170	5.2	ug/kg wet	2870	86	48-120			
2-Nitroaniline		3330	330	54	ug/kg wet	3700	111	61-130			
2-Nitrophenol		3330	170	7.7	ug/kg wet	2950	89	50-120			
3,3'-Dichlorobenzidine		3330	170	150	ug/kg wet	4470	134	48-126			L1
3-Nitroaniline		3330	330	39	ug/kg wet	3480	105	61-127			
4,6-Dinitro-2-methylphenol		3330	330	58	ug/kg wet	3400	102	49-155			
4-Bromophenyl phenyl ether		3330	170	54	ug/kg wet	3500	105	58-131			
4-Chloro-3-methylphenol		3330	170	6.9	ug/kg wet	3490	105	49-125			
4-Chloroaniline		3330	170	50	ug/kg wet	2980	89	49-120			
4-Chlorophenyl phenyl ether		3330	170	3.6	ug/kg wet	3310	99	63-124			
4-Methylphenol		3330	330	9.4	ug/kg wet	3010	90	50-119			
4-Nitroaniline		3330	330	19	ug/kg wet	3800	114	63-128			
4-Nitrophenol		3330	330	41	ug/kg wet	3720	112	43-137			
Acenaphthene		3330	170	2.0	ug/kg wet	3200	96	53-120			
Acenaphthylene		3330	170	1.4	ug/kg wet	3210	96	58-121			
Acetophenone		3330	170	8.7	ug/kg wet	2800	84	66-120			
Anthracene		3330	170	4.3	ug/kg wet	3470	104	62-129			
Atrazine		3330	170	7.5	ug/kg wet	3690	111	73-133			
Benzaldehyde		3330	170	18	ug/kg wet	2340	70	21-120			
Benzo(a)anthracene		3330	170	2.9	ug/kg wet	3550	107	65-133			
Benzo(a)pyrene		3330	170	4.1	ug/kg wet	3700	111	64-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/20/10 (Lab Number:10E1490-BS1, Batch: 10E1490)											
Benzo(b)fluoranthene		3330	170	3.3	ug/kg wet	3470	104	64-135			
Benzo(ghi)perylene		3330	170	2.0	ug/kg wet	3670	110	50-152			
Benzo(k)fluoranthene		3330	170	1.9	ug/kg wet	3420	103	58-138			
Biphenyl		3330	170	11	ug/kg wet	2860	86	71-120			
Bis(2-chloroethoxy)methane		3330	170	9.2	ug/kg wet	2610	78	61-133			
Bis(2-chloroethyl)ether		3330	170	15	ug/kg wet	2390	72	45-120			
2,2'-Oxybis(1-Chloropropane)		3330	170	18	ug/kg wet	2580	77	44-120			
Bis(2-ethylhexyl)phthalate		3330	170	54	ug/kg wet	3610	108	61-133			
Butyl benzyl phthalate		3330	170	45	ug/kg wet	3790	114	61-129			
Caprolactam		3330	170	73	ug/kg wet	3560	107	54-133			
Carbazole		3330	170	2.0	ug/kg wet	3550	107	59-129			
Chrysene		3330	170	1.7	ug/kg wet	3550	107	64-131			
Dibenzo(a,h)anthracene		3330	170	2.0	ug/kg wet	3630	109	54-148			
Dibenzofuran		3330	170	1.8	ug/kg wet	3260	98	56-120			
Diethyl phthalate		3330	170	5.1	ug/kg wet	3660	110	66-126			
Dimethyl phthalate		3330	170	4.4	ug/kg wet	3440	103	65-124			
Di-n-butyl phthalate		3330	170	58	ug/kg wet	3640	109	58-130			
Di-n-octyl phthalate		3330	170	3.9	ug/kg wet	3870	116	62-133			
Fluoranthene		3330	170	2.4	ug/kg wet	3440	103	62-131			
Fluorene		3330	170	3.9	ug/kg wet	3340	100	63-126			
Hexachlorobenzene		3330	170	8.4	ug/kg wet	3510	105	60-132			
Hexachlorobutadiene		3330	170	8.6	ug/kg wet	2530	76	45-120			
Hexachlorocyclopentadiene		3330	170	51	ug/kg wet	2240	67	31-120			
Hexachloroethane		3330	170	13	ug/kg wet	2430	73	41-120			
Indeno(1,2,3-cd)pyrene		3330	170	4.7	ug/kg wet	3630	109	56-149			
Isophorone		3330	170	8.4	ug/kg wet	2900	87	56-120			
Naphthalene		3330	170	2.8	ug/kg wet	2720	82	46-120			
Nitrobenzene		3330	170	7.5	ug/kg wet	2740	82	49-120			
N-Nitrosodi-n-propylamine		3330	170	13	ug/kg wet	2790	84	46-120			
N-Nitrosodiphenylamine		3330	170	9.2	ug/kg wet	4170	125	20-119			L1
Pentachlorophenol		3330	330	58	ug/kg wet	3440	103	33-136			
Phenanthrene		3330	170	3.5	ug/kg wet	3500	105	60-130			
Phenol		3330	170	18	ug/kg wet	2800	84	36-120			
Pyrene		3330	170	1.1	ug/kg wet	3480	104	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/20/10 (Lab Number:10E1490-BS1, Batch: 10E1490)											
Surrogate:					ug/kg wet		98	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		84	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		67	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		71	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		74	11-120			
Surrogate:					ug/kg wet		90	58-147			
p-Terphenyl-d14											
Matrix Spike Analyzed: 05/20/10 (Lab Number:10E1490-MS1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
2,4,5-Trichlorophenol	ND	4040	210	45	ug/kg dry	4490	111	59-126			
2,4,6-Trichlorophenol	ND	4040	210	14	ug/kg dry	4280	106	59-123			
2,4-Dichlorophenol	ND	4040	210	11	ug/kg dry	3720	92	52-120			
2,4-Dimethylphenol	ND	4040	210	55	ug/kg dry	3610	89	36-120			
2,4-Dinitrophenol	ND	4040	400	72	ug/kg dry	3290	81	35-146			
2,4-Dinitrotoluene	ND	4040	210	32	ug/kg dry	4740	117	55-125			
2,6-Dinitrotoluene	ND	4040	210	50	ug/kg dry	4810	119	66-128			
2-Chloronaphthalene	ND	4040	210	14	ug/kg dry	3820	94	57-120			
2-Chlorophenol	ND	4040	210	10	ug/kg dry	2920	72	38-120			
2-Methylnaphthalene	ND	4040	210	2.5	ug/kg dry	3690	91	47-120			
2-Methylphenol	ND	4040	210	6.3	ug/kg dry	3340	83	48-120			
2-Nitroaniline	ND	4040	400	66	ug/kg dry	4640	115	61-130			
2-Nitrophenol	ND	4040	210	9.4	ug/kg dry	3460	86	50-120			
3,3'-Dichlorobenzidine	ND	4040	210	180	ug/kg dry	5890	146	48-126			M11
3-Nitroaniline	ND	4040	400	47	ug/kg dry	4670	116	61-127			
4,6-Dinitro-2-methylphenol	ND	4040	400	71	ug/kg dry	4270	106	49-155			
4-Bromophenyl phenyl ether	ND	4040	210	65	ug/kg dry	4440	110	58-131			
4-Chloro-3-methylphenol	ND	4040	210	8.4	ug/kg dry	4410	109	49-125			
4-Chloroaniline	ND	4040	210	60	ug/kg dry	3800	94	49-120			
4-Chlorophenyl phenyl ether	ND	4040	210	4.4	ug/kg dry	4110	102	63-124			
4-Methylphenol	ND	4040	400	11	ug/kg dry	3640	90	50-119			
4-Nitroaniline	ND	4040	400	23	ug/kg dry	4790	119	63-128			
4-Nitrophenol	ND	4040	400	50	ug/kg dry	4700	116	43-137			
Acenaphthene	ND	4040	210	2.4	ug/kg dry	4050	100	53-120			
Acenaphthylene	ND	4040	210	1.7	ug/kg dry	4030	100	58-121			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/20/10 (Lab Number:10E1490-MS1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
Acetophenone	ND	4040	210	11	ug/kg dry	3150	78	66-120			
Anthracene	ND	4040	210	5.2	ug/kg dry	4280	106	62-129			
Atrazine	ND	4040	210	9.1	ug/kg dry	4970	123	73-133			
Benzaldehyde	ND	4040	210	22	ug/kg dry	2840	70	21-120			
Benzo(a)anthracene	65.2	4040	210	3.5	ug/kg dry	4410	107	65-133			
Benzo(a)pyrene	89.4	4040	210	4.9	ug/kg dry	4590	111	64-127			
Benzo(b)fluoranthene	133	4040	210	4.0	ug/kg dry	4130	99	64-135			
Benzo(ghi)perylene	96.3	4040	210	2.5	ug/kg dry	5220	127	50-152			
Benzo(k)fluoranthene	38.9	4040	210	2.3	ug/kg dry	4310	106	58-138			
Biphenyl	ND	4040	210	13	ug/kg dry	3600	89	71-120			
Bis(2-chloroethoxy)methane	ND	4040	210	11	ug/kg dry	3040	75	61-133			
Bis(2-chloroethyl)ether	ND	4040	210	18	ug/kg dry	2640	65	45-120			
2,2'-Oxybis(1-Chloropropane)	ND	4040	210	21	ug/kg dry	2770	68	44-120			
Bis(2-ethylhexyl)phthalate	455	4040	210	66	ug/kg dry	4910	110	61-133			
Butyl benzyl phthalate	ND	4040	210	55	ug/kg dry	4720	117	61-129			
Caprolactam	ND	4040	210	89	ug/kg dry	4490	111	54-133			
Carbazole	ND	4040	210	2.4	ug/kg dry	4380	108	59-129			
Chrysene	97.1	4040	210	2.0	ug/kg dry	4400	106	64-131			
Dibenzo(a,h)anthracene	20.2	4040	210	2.4	ug/kg dry	4680	115	54-148			
Dibenzofuran	ND	4040	210	2.1	ug/kg dry	4100	101	56-120			
Diethyl phthalate	ND	4040	210	6.2	ug/kg dry	4490	111	66-126			
Dimethyl phthalate	ND	4040	210	5.3	ug/kg dry	4250	105	65-124			
Di-n-butyl phthalate	ND	4040	210	71	ug/kg dry	4500	111	58-130			
Di-n-octyl phthalate	22.7	4040	210	4.8	ug/kg dry	4810	118	62-133			
Fluoranthene	169	4040	210	3.0	ug/kg dry	4410	105	62-131			
Fluorene	ND	4040	210	4.7	ug/kg dry	4140	102	63-126			
Hexachlorobenzene	ND	4040	210	10	ug/kg dry	4310	107	60-132			
Hexachlorobutadiene	ND	4040	210	10	ug/kg dry	2900	72	45-120			
Hexachlorocyclopentadiene	ND	4040	210	62	ug/kg dry	2870	71	31-120			
Hexachloroethane	ND	4040	210	16	ug/kg dry	2580	64	41-120			
Indeno(1,2,3-cd)pyrene	77.3	4040	210	5.7	ug/kg dry	4830	117	56-149			
Isophorone	ND	4040	210	10	ug/kg dry	3490	86	56-120			
Naphthalene	ND	4040	210	3.4	ug/kg dry	3180	79	46-120			
Nitrobenzene	ND	4040	210	9.1	ug/kg dry	3120	77	49-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/20/10 (Lab Number:10E1490-MS1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
N-Nitrosodi-n-propylamine	ND	4040	210	16	ug/kg dry	3280	81	46-120			
N-Nitrosodiphenylamine	ND	4040	210	11	ug/kg dry	5150	127	20-119			M11
Pentachlorophenol	ND	4040	400	70	ug/kg dry	4500	111	33-136			
Phenanthrene	61.9	4040	210	4.3	ug/kg dry	4300	105	60-130			
Phenol	ND	4040	210	22	ug/kg dry	3160	78	36-120			
Pyrene	138	4040	210	1.3	ug/kg dry	4370	105	51-133			
<i>Surrogate:</i>						<i>ug/kg dry</i>	<i>102</i>	<i>39-146</i>			
<i>2,4,6-Tribromophenol</i>						<i>ug/kg dry</i>	<i>87</i>	<i>37-120</i>			
<i>Surrogate:</i>						<i>ug/kg dry</i>	<i>59</i>	<i>18-120</i>			
<i>2-Fluorobiphenyl</i>						<i>ug/kg dry</i>	<i>66</i>	<i>34-132</i>			
<i>Surrogate:</i>						<i>ug/kg dry</i>	<i>70</i>	<i>11-120</i>			
<i>2-Fluorophenol</i>						<i>ug/kg dry</i>	<i>90</i>	<i>58-147</i>			
<i>Surrogate:</i>						<i>ug/kg dry</i>					
<i>Nitrobenzene-d5</i>						<i>ug/kg dry</i>					
<i>Surrogate: Phenol-d5</i>						<i>ug/kg dry</i>					
<i>Surrogate:</i>						<i>ug/kg dry</i>					
<i>p-Terphenyl-d14</i>											
Matrix Spike Dup Analyzed: 05/20/10 (Lab Number:10E1490-MSD1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
2,4,5-Trichlorophenol	ND	4040	210	45	ug/kg dry	4240	105	59-126	6	18	
2,4,6-Trichlorophenol	ND	4040	210	14	ug/kg dry	4110	102	59-123	4	19	
2,4-Dichlorophenol	ND	4040	210	11	ug/kg dry	3590	89	52-120	4	19	
2,4-Dimethylphenol	ND	4040	210	55	ug/kg dry	3470	86	36-120	4	42	
2,4-Dinitrophenol	ND	4040	400	72	ug/kg dry	3130	77	35-146	5	22	
2,4-Dinitrotoluene	ND	4040	210	32	ug/kg dry	4450	110	55-125	6	20	
2,6-Dinitrotoluene	ND	4040	210	50	ug/kg dry	4540	112	66-128	6	15	
2-Chloronaphthalene	ND	4040	210	14	ug/kg dry	3630	90	57-120	5	21	
2-Chlorophenol	ND	4040	210	10	ug/kg dry	3020	75	38-120	3	25	
2-Methylnaphthalene	ND	4040	210	2.5	ug/kg dry	3590	89	47-120	3	21	
2-Methylphenol	ND	4040	210	6.3	ug/kg dry	3410	84	48-120	2	27	
2-Nitroaniline	ND	4040	400	66	ug/kg dry	4370	108	61-130	6	15	
2-Nitrophenol	ND	4040	210	9.4	ug/kg dry	3490	86	50-120	0.8	18	
3,3'-Dichlorobenzidine	ND	4040	210	180	ug/kg dry	5550	137	48-126	6	25	M11
3-Nitroaniline	ND	4040	400	47	ug/kg dry	4430	110	61-127	5	19	
4,6-Dinitro-2-methylphenol	ND	4040	400	71	ug/kg dry	4010	99	49-155	6	15	
4-Bromophenyl phenyl ether	ND	4040	210	65	ug/kg dry	4150	103	58-131	7	15	
4-Chloro-3-methylphenol	ND	4040	210	8.4	ug/kg dry	4120	102	49-125	7	27	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 05/20/10 (Lab Number:10E1490-MSD1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
4-Chloroaniline	ND	4040	210	60	ug/kg dry	3620	90	49-120	5	22	
4-Chlorophenyl phenyl ether	ND	4040	210	4.4	ug/kg dry	3810	94	63-124	8	16	
4-Methylphenol	ND	4040	400	11	ug/kg dry	3650	90	50-119	0.4	24	
4-Nitroaniline	ND	4040	400	23	ug/kg dry	4620	114	63-128	4	24	
4-Nitrophenol	ND	4040	400	50	ug/kg dry	4510	112	43-137	4	25	
Acenaphthene	ND	4040	210	2.4	ug/kg dry	3790	94	53-120	7	35	
Acenaphthylene	ND	4040	210	1.7	ug/kg dry	3770	93	58-121	7	18	
Acetophenone	ND	4040	210	11	ug/kg dry	3240	80	66-120	3	20	
Anthracene	ND	4040	210	5.2	ug/kg dry	4090	101	62-129	5	15	
Atrazine	ND	4040	210	9.1	ug/kg dry	4820	119	73-133	3	20	
Benzaldehyde	ND	4040	210	22	ug/kg dry	2910	72	21-120	2	20	
Benzo(a)anthracene	65.2	4040	210	3.5	ug/kg dry	4230	103	65-133	4	15	
Benzo(a)pyrene	89.4	4040	210	4.9	ug/kg dry	4400	107	64-127	4	15	
Benzo(b)fluoranthene	133	4040	210	4.0	ug/kg dry	3970	95	64-135	4	15	
Benzo(ghi)perylene	96.3	4040	210	2.5	ug/kg dry	5140	125	50-152	1	15	
Benzo(k)fluoranthene	38.9	4040	210	2.3	ug/kg dry	4140	102	58-138	4	22	
Biphenyl	ND	4040	210	13	ug/kg dry	3420	85	71-120	5	20	
Bis(2-chloroethoxy)methane	ND	4040	210	11	ug/kg dry	3010	75	61-133	0.8	17	
Bis(2-chloroethyl)ether	ND	4040	210	18	ug/kg dry	2720	67	45-120	3	21	
2,2'-Oxybis(1-Chloropropane)	ND	4040	210	21	ug/kg dry	2870	71	44-120	4	24	
Bis(2-ethylhexyl)phthalate	455	4040	210	66	ug/kg dry	4780	107	61-133	3	15	
Butyl benzyl phthalate	ND	4040	210	55	ug/kg dry	4510	112	61-129	4	16	
Caprolactam	ND	4040	210	89	ug/kg dry	4340	107	54-133	3	20	
Carbazole	ND	4040	210	2.4	ug/kg dry	4230	105	59-129	3	20	
Chrysene	97.1	4040	210	2.0	ug/kg dry	4290	104	64-131	3	15	
Dibenzo(a,h)anthracene	20.2	4040	210	2.4	ug/kg dry	4540	112	54-148	3	15	
Dibenzofuran	ND	4040	210	2.1	ug/kg dry	3820	95	56-120	7	15	
Diethyl phthalate	ND	4040	210	6.2	ug/kg dry	4280	106	66-126	5	15	
Dimethyl phthalate	ND	4040	210	5.3	ug/kg dry	4010	99	65-124	6	15	
Di-n-butyl phthalate	ND	4040	210	71	ug/kg dry	4370	108	58-130	3	15	
Di-n-octyl phthalate	22.7	4040	210	4.8	ug/kg dry	4690	115	62-133	2	16	
Fluoranthene	169	4040	210	3.0	ug/kg dry	4250	101	62-131	4	15	
Fluorene	ND	4040	210	4.7	ug/kg dry	3890	96	63-126	6	15	
Hexachlorobenzene	ND	4040	210	10	ug/kg dry	4100	101	60-132	5	15	
Hexachlorobutadiene	ND	4040	210	10	ug/kg dry	2880	71	45-120	0.7	44	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/20/10 (Lab Number:10E1490-MSD1, Batch: 10E1490)											
QC Source Sample: RTE0966-02											
Hexachlorocyclopentadiene	ND	4040	210	62	ug/kg dry	2780	69	31-120	3	49	
Hexachloroethane	ND	4040	210	16	ug/kg dry	2820	70	41-120	9	46	
Indeno(1,2,3-cd)pyrene	77.3	4040	210	5.7	ug/kg dry	4710	115	56-149	3	15	
Isophorone	ND	4040	210	10	ug/kg dry	3380	84	56-120	3	17	
Naphthalene	ND	4040	210	3.4	ug/kg dry	3140	78	46-120	1	29	
Nitrobenzene	ND	4040	210	9.1	ug/kg dry	3100	77	49-120	0.6	24	
N-Nitrosodi-n-propylamine	ND	4040	210	16	ug/kg dry	3310	82	46-120	1	31	
N-Nitrosodiphenylamine	ND	4040	210	11	ug/kg dry	4900	121	20-119	5	15	M11
Pentachlorophenol	ND	4040	400	70	ug/kg dry	4360	108	33-136	3	35	
Phenanthrene	61.9	4040	210	4.3	ug/kg dry	4150	101	60-130	4	15	
Phenol	ND	4040	210	22	ug/kg dry	3240	80	36-120	2	35	
Pyrene	138	4040	210	1.3	ug/kg dry	4240	101	51-133	3	35	
<i>Surrogate:</i>						<i>ug/kg dry</i>	97	39-146			
<i>2,4,6-Tribromophenol</i>						<i>ug/kg dry</i>	81	37-120			
<i>Surrogate:</i>						<i>ug/kg dry</i>	61	18-120			
<i>2-Fluorobiphenyl</i>						<i>ug/kg dry</i>	66	34-132			
<i>Surrogate:</i>						<i>ug/kg dry</i>	71	11-120			
<i>2-Fluorophenol</i>						<i>ug/kg dry</i>	87	58-147			
<i>Surrogate:</i>						<i>ug/kg dry</i>					
<i>Nitrobenzene-d5</i>						<i>ug/kg dry</i>					
<i>Surrogate: Phenol-d5</i>						<i>ug/kg dry</i>					
<i>Surrogate:</i>						<i>ug/kg dry</i>					
<i>p-Terphenyl-d14</i>											

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/20/10 (Lab Number:10E1471-BLK1, Batch: 10E1471)

Mercury			0.0197	NR	mg/kg wet	ND					

Reference Analyzed: 05/20/10 (Lab Number:10E1471-SRM1, Batch: 10E1471)

Mercury		2.96	0.179	NR	mg/kg wet	3.16	107	67.6-132.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/21/10 (Lab Number:10E1564-BLK1, Batch: 10E1564)

Antimony			15.9	0.6	mg/kg wet	ND					
Arsenic			2.1	NR	mg/kg wet	ND					
Barium			0.531	NR	mg/kg wet	ND					
Cadmium			0.212	NR	mg/kg wet	ND					
Chromium			0.531	NR	mg/kg wet	ND					
Copper			1.1	NR	mg/kg wet	ND					
Lead			1.1	NR	mg/kg wet	ND					
Nickel			5.31	NR	mg/kg wet	ND					
Selenium			4.2	NR	mg/kg wet	ND					
Silver			0.531	NR	mg/kg wet	ND					
Tin			2.1	NR	mg/kg wet	ND					
Zinc			2.1	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1564-MS1, Batch: 10E1564)

QC Source Sample: RTE0966-01

Antimony	ND	44.0	16.5	0.6	mg/kg dry	29.2	66	75-125			M1
Arsenic	0.983	44.0	2.2	NR	mg/kg dry	42.6	95	75-125			
Barium	24.7	44.0	0.550	NR	mg/kg dry	65.9	94	75-125			
Cadmium	ND	44.0	0.220	NR	mg/kg dry	41.2	94	75-125			
Chromium	6.96	44.0	0.550	NR	mg/kg dry	49.3	96	75-125			
Copper	8.60	44.0	1.1	NR	mg/kg dry	50.9	96	75-125			
Lead	6.48	44.0	1.1	NR	mg/kg dry	48.2	95	75-125			
Nickel	6.27	44.0	5.50	NR	mg/kg dry	48.4	96	75-125			
Selenium	ND	44.0	4.4	NR	mg/kg dry	39.0	89	75-125			
Silver	ND	11.0	0.550	NR	mg/kg dry	10.7	98	75-125			
Tin	ND	44.0	2.2	NR	mg/kg dry	39.5	90	75-125			
Zinc	17.1	44.0	2.2	NR	mg/kg dry	60.0	98	75-125			

Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1564-MSD1, Batch: 10E1564)

QC Source Sample: RTE0966-01

Antimony	ND	46.1	17.3	0.6	mg/kg dry	32.0	69	75-125	9	20	M1
Arsenic	0.983	46.1	2.3	NR	mg/kg dry	45.1	96	75-125	6	20	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE0966
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/19/10
Reported: 05/24/10 12:06

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1564-MSD1, Batch: 10E1564)											
QC Source Sample: RTE0966-01											
Barium	24.7	46.1	0.577	NR	mg/kg dry	65.6	89	75-125	0.6	20	
Cadmium	ND	46.1	0.231	NR	mg/kg dry	44.0	95	75-125	7	20	
Chromium	6.96	46.1	0.577	NR	mg/kg dry	51.0	95	75-125	3	20	
Copper	8.60	46.1	1.2	NR	mg/kg dry	52.5	95	75-125	3	20	
Lead	6.48	46.1	1.2	NR	mg/kg dry	50.2	95	75-125	4	20	
Nickel	6.27	46.1	5.77	NR	mg/kg dry	50.5	96	75-125	4	20	
Selenium	ND	46.1	4.6	NR	mg/kg dry	41.6	90	75-125	6	20	
Silver	ND	11.5	0.577	NR	mg/kg dry	11.3	98	75-125	5	20	
Tin	ND	46.1	2.3	NR	mg/kg dry	42.3	92	75-125	7	20	
Zinc	17.1	46.1	2.3	NR	mg/kg dry	60.6	94	75-125	1	20	

Reference Analyzed: 05/21/10 (Lab Number:10E1564-SRM1, Batch: 10E1564)

Antimony	103	15.0	0.5	mg/kg wet	57.2	56	25.4-279.6
Arsenic	107	2.0	NR	mg/kg wet	89.3	84	69.3-129.9
Barium	331	0.499	NR	mg/kg wet	284	86	74-126
Cadmium	244	0.200	NR	mg/kg wet	222	91	73.4-126.2
Chromium	80.9	0.499	NR	mg/kg wet	70.5	87	68.9-131.5
Copper	64.9	1.0	NR	mg/kg wet	58.1	90	73-127
Lead	107	1.0	NR	mg/kg wet	87.6	82	71.4-129
Nickel	96.9	4.99	NR	mg/kg wet	90.7	94	72.2-128.1
Selenium	177	4.0	NR	mg/kg wet	160	91	68.4-132.2
Silver	46.1	0.499	NR	mg/kg wet	40.0	87	66.2-133.5
Tin	183	2.0	NR	mg/kg wet	139	76	60.7-138.8
Zinc	378	2.0	NR	mg/kg wet	324	86	72.5-127.8

Chlorophyll

Chair of Custody Number
139924

Page 1 of 1[illegible]Special Instructions
Conditions of Book

CONTINUOUS OR FIELD

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ASPECT OF CERTAIN CASES

Date	Time

DATE	5-18-17	TIME	of yr

DATE	TIME

2.

Analytical Report

Work Order: RTE1044

Project Description

New York State Project

New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Tuesday, May 25, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8260, the compound Methylene Chloride was detected in the Method Blank at a level above the project established reporting limit. The associated samples had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample results for Methylene Chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated positive sample results were qualified with a "B".

This analyte exceeded the Method 8260 quality control limits for the Matrix Spike Blank. This analyte was not detected in any of the associated samples and a reporting limit standard was analyzed to demonstrate that the laboratory can still support the non-detects at the reporting limit. No further corrective action was preformed.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
D12	Dilution required due to sample viscosity
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
L4	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M11	The MS and/or MSD were above the acceptance limits.
M12	The MS and/or MSD were below the acceptance limits. See calibration verification (CCV)
N1	See case narrative.
P7	Sample filtered in lab.
R2	The RPD exceeded the acceptance limit.
S6	Sediment present.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-01 (B-11920 - Solid)						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	4.6	J	24	4.0	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Methylene Chloride	5.7	B	4.7	2.2	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
<u>Semivolatile Organics by GC/MS</u>										
Acetophenone	12	L4, J	190	9.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Bis(2-ethylhexyl) phthalate	290		190	59	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Arsenic	3.2		2.3	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Barium	89.2		0.586	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Chromium	17.0		0.586	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Copper	2.5		1.2	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Lead	3.9		1.2	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Nickel	18.3		5.86	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Zinc	54.0		2.3	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	91		0.010	NR	%	1.00	05/20/10 20:29	KMB	10E1643	Dry Weight
Sample ID: RTE1044-02 (B-101920 - Solid)						Sampled: 05/19/10 09:40		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Cyclohexane	3.4	J	6.1	0.85	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Methylene Chloride	22	B	6.1	2.8	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	40.3		0.475	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Chromium	3.79		0.475	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Copper	7.5		0.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Lead	2.3		0.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Nickel	5.87		4.75	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Zinc	13.3		1.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	97		0.010	NR	%	1.00	05/20/10 20:31	KMB	10E1643	Dry Weight
Sample ID: RTE1044-03 (B-100001 - Solid)						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Cyclohexane	2.8	J	5.1	0.71	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Methylene Chloride	11	B	5.1	2.3	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	770	D12,J	2200	37	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(a)pyrene	950	D12,J	2200	52	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(b)fluoranthene	1400	D12,J	2200	42	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(ghi)perylene	890	D12,J	2200	26	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(k)fluoranthene	550	D12,J	2200	24	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-03 (B-100001 - Solid) - cont.

Sampled: 05/19/10 09:00

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Chrysene	1200	D12,J	2200	21	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Dibenzo(a,h)anthracene	200	D12,J	2200	25	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Fluoranthene	2200	D12	2200	31	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Indeno(1,2,3-cd)pyrene	760	D12,J	2200	59	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Phenanthrene	960	D12,J	2200	45	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Pyrene	1700	D12,J	2200	14	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Barium	49.2		0.673	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Cadmium	12.0		0.269	NR	mg/kg dry	1.00	05/23/10 13:27	LMH	10E1634	6010B
Chromium	10.1		0.673	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Copper	17.2		1.3	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Lead	48.8		1.3	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Nickel	10.8		6.73	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Zinc	52.2		2.7	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Mercury	0.0482		0.0253	NR	mg/kg dry	1.00	05/20/10 17:21	MXM	10E1471	7471A

General Chemistry Parameters

Percent Solids	78		0.010	NR	%	1.00	05/20/10 20:33	KMB	10E1643	Dry Weight

Sample ID: RTE1044-03RE1 (B-100001 - Solid)

Sampled: 05/19/10 09:00

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS

Benzo(a)anthracene	920	D12,J	2100	37	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(a)pyrene	1000	D12,J	2100	51	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(b)fluoranthene	1600	D12,J	2100	41	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(ghi)perylene	840	D12,J	2100	26	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(k)fluoranthene	750	D12,J	2100	23	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Carbazole	140	D12,J	2100	25	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Chrysene	1300	D12,J	2100	21	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Fluoranthene	2800	D12	2100	31	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Indeno(1,2,3-cd)pyrene	720	D12,J	2100	59	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Phenanthrene	1500	D12,J	2100	45	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Pyrene	2200	D12	2100	14	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C

Sample ID: RTE1044-04 (B-92025 - Solid)

Sampled: 05/19/10 08:25

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B

Methylene Chloride	9.3	B	4.6	2.1	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B

Semivolatile Organics by GC/MS

Bis(2-ethylhexyl) phthalate	87	J	200	63	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Barium	34.9		0.552	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Chromium	1.74		0.552	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Lead	1.3		1.1	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Zinc	4.8		2.2	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-04 (B-92025 - Solid) - cont.						Sampled: 05/19/10 08:25		Recvd: 05/20/10 09:00		
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/20/10 20:35	KMB	10E1643	Dry Weight
Sample ID: RTE1046-01 (B-6 - Water)						Sampled: 05/19/10 16:00		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
2-Butanone (MEK)	4.0	J	5.0	1.3	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Acetone	13		5.0	3.0	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Carbon disulfide	0.72	J	1.0	0.19	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chloroform	29		1.0	0.34	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Xylenes, total	1.8	J	2.0	0.66	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	1.1	J	5.0	0.60	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Acetophenone	2.1	J	5.0	0.54	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Bis(2-ethylhexyl) phthalate	3.7	J	5.0	1.8	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Diethyl phthalate	3.5	J	5.0	0.22	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Di-n-butyl phthalate	1.4	J	5.0	0.31	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.350		0.0020	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Chromium	0.0284		0.0040	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Copper	0.0316		0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Lead	0.0099		0.0050	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Nickel	0.0249		0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Zinc	0.0816		0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.167		0.0020	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Zinc	0.0100		0.0100	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Sample ID: RTE1046-02 (B-7 - Water)						Sampled: 05/19/10 17:40		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	3.8	J	5.0	3.0	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chloroform	5.6		1.0	0.34	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
<u>Semivolatile Organics by GC/MS</u>										
Acetophenone	44		4.7	0.51	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Bis(2-ethylhexyl) phthalate	5.5		4.7	1.7	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Diethyl phthalate	6.0		4.7	0.21	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Di-n-butyl phthalate	0.89	J	4.7	0.29	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Arsenic	0.0174		0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Barium	0.838		0.0020	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Chromium	0.0212		0.0040	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Copper	0.0494		0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-02 (B-7 - Water) - cont.					Sampled: 05/19/10 17:40			Recvd: 05/20/10 09:00		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Lead	0.0126		0.0050	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Nickel	0.0283		0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Zinc	0.0893		0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.320		0.0020	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Sample ID: RTE1046-03 (B-10 - Water)					Sampled: 05/19/10 17:00			Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Chloroform	7.3		1.0	0.34	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
<u>Semivolatile Organics by GC/MS</u>										
Bis(2-ethylhexyl) phthalate	4.8		4.8	1.7	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Diethyl phthalate	1.4	J	4.8	0.21	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.829		0.0020	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Chromium	0.0178		0.0040	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Copper	0.0587		0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Lead	0.0117		0.0050	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Nickel	0.0276		0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Zinc	0.0571		0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.260		0.0020	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Sample ID: RTE1046-04 (B-9 - Water)					Sampled: 05/19/10 14:30			Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	9.3		5.0	3.0	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chloroform	13		1.0	0.34	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
1,2,4-Trimethylbenzene	0.21		0.20	0.035	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
1,3,5-Trimethylbenzene	0.37		0.20	0.15	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Benzene	0.16	J	0.20	0.023	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Ethylbenzene	0.17	J	0.20	0.029	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
m-Xylene & p-Xylene	0.42		0.40	0.054	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Naphthalene	0.31	B	0.20	0.030	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
o-Xylene	0.33		0.20	0.027	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Toluene	0.24		0.20	0.036	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Xylenes, total	0.75		0.40	0.054	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	1.5	J	4.8	0.58	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Acetophenone	52		4.8	0.52	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Bis(2-ethylhexyl) phthalate	77		4.8	1.7	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-04 (B-9 - Water) - cont.						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	1.6	J	4.8	0.21	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Di-n-butyl phthalate	2.2	J	4.8	0.30	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Isophorone	0.58	J	4.8	0.41	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.625		0.0020	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Cadmium	0.0010		0.0010	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Chromium	0.0105		0.0040	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Nickel	0.0535		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Zinc	0.0313		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.0926		0.0020	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Sample ID: RTE1046-05 (B-8 - Water)						Sampled: 05/19/10 15:15		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	4.8	J	5.0	3.0	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chloroform	31		1.0	0.34	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
1,2,4-Trimethylbenzene	0.81		0.20	0.035	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
1,3,5-Trimethylbenzene	0.34		0.20	0.15	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Benzene	0.17	J	0.20	0.023	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Ethylbenzene	0.15	J	0.20	0.029	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
m-Xylene & p-Xylene	0.75		0.40	0.054	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Naphthalene	0.42	B	0.20	0.030	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
o-Xylene	0.44		0.20	0.027	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Toluene	0.20		0.20	0.036	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Xylenes, total	1.2		0.40	0.054	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
<u>Total Metals by SW 846 Series Methods</u>										
Arsenic	0.0142		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Barium	1.23		0.0020	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Cadmium	0.0017		0.0010	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Chromium	0.0293		0.0040	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Copper	0.145		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Lead	0.0264		0.0050	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Nickel	0.0586		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Zinc	0.220		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Mercury	0.0008	S6	0.0002	NR	mg/L	1.00	05/21/10 19:03	MXM	10E1708	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-11920	RTE1044-01	Solid	05/19/10 14:30	05/20/10 09:00	
B-101920	RTE1044-02	Solid	05/19/10 09:40	05/20/10 09:00	
B-100001	RTE1044-03	Solid	05/19/10 09:00	05/20/10 09:00	
B-92025	RTE1044-04	Solid	05/19/10 08:25	05/20/10 09:00	
Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-6	RTE1046-01	Water	05/19/10 16:00	05/20/10 09:00	
B-7	RTE1046-02	Water	05/19/10 17:40	05/20/10 09:00	
B-10	RTE1046-03	Water	05/19/10 17:00	05/20/10 09:00	
B-9	RTE1046-04	Water	05/19/10 14:30	05/20/10 09:00	
B-8	RTE1046-05	Water	05/19/10 15:15	05/20/10 09:00	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-01 (B-11920 - Solid)						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		4.7	0.34	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,1,2,2-Tetrachloroethane	ND		4.7	0.77	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,1,2-Trichloroethane	ND		4.7	0.62	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,1-Dichloroethane	ND		4.7	0.58	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,1-Dichloroethene	ND		4.7	0.58	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2,4-Trichlorobenzene	ND		4.7	0.29	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dibromo-3-chloropropene	ND		4.7	2.4	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dibromoethane	ND		4.7	0.61	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dichlorobenzene	ND		4.7	0.37	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dichloroethane	ND		4.7	0.24	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dichloropropane	ND		4.7	2.4	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,3-Dichlorobenzene	ND		4.7	0.24	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,4-Dichlorobenzene	ND		4.7	0.66	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
2-Butanone	ND		24	1.7	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
2-Hexanone	ND		24	2.4	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
4-Methyl-2-pentanone	ND		24	1.6	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Acetone	4.6	J	24	4.0	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Benzene	ND		4.7	0.23	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Bromodichloromethane	ND		4.7	0.63	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Bromoform	ND		4.7	2.4	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Bromomethane	ND		4.7	0.43	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Carbon disulfide	ND		4.7	2.4	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Carbon Tetrachloride	ND		4.7	0.46	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Chlorobenzene	ND		4.7	0.63	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Dibromochloromethane	ND		4.7	0.61	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Chloroethane	ND		4.7	1.1	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Chloroform	ND		4.7	0.29	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Chloromethane	ND		4.7	0.29	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
cis-1,2-Dichloroethene	ND		4.7	0.61	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
cis-1,3-Dichloropropene	ND		4.7	0.68	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Cyclohexane	ND		4.7	0.66	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Dichlorodifluoromethane	ND		4.7	0.39	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Ethylbenzene	ND		4.7	0.33	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Isopropylbenzene	ND		4.7	0.71	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Methyl Acetate	ND		4.7	0.88	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.7	0.47	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Methylcyclohexane	ND		4.7	0.72	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Methylene Chloride	5.7	B	4.7	2.2	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Styrene	ND		4.7	0.24	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Tetrachloroethene	ND		4.7	0.64	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Toluene	ND		4.7	0.36	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
trans-1,2-Dichloroethene	ND		4.7	0.49	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Trichloroethene	ND		4.7	1.0	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Trichlorofluoromethane	ND		4.7	0.45	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
Vinyl chloride	ND		4.7	0.58	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-01 (B-11920 - Solid) - cont.

Sampled: 05/19/10 14:30

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		9.5	0.80	ug/kg dry	1.00	05/22/10 17:14	NMD	10E1792	8260B
1,2-Dichloroethane-d4	84 %		Surr Limits: (64-126%)				05/22/10 17:14	NMD	10E1792	8260B
4-Bromofluorobenzene	113 %		Surr Limits: (72-126%)				05/22/10 17:14	NMD	10E1792	8260B
Toluene-d8	110 %		Surr Limits: (71-125%)				05/22/10 17:14	NMD	10E1792	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4-Dichlorophenol	ND		190	9.6	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4-Dinitrophenol	ND		360	64	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4-Dinitrotoluene	ND		190	28	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2-Nitrophenol	ND		190	8.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
3,3'-Dichlorobenzidine	ND		190	160	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Acetophenone	12	L4, J	190	9.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzo(a)anthracene	ND		190	3.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzo(a)pyrene	ND		190	4.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzo(b)fluoranthene	ND		190	3.6	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzo(ghi)perylene	ND		190	2.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Benzo(k)fluoranthene	ND		190	2.0	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Biphenyl	ND	L4	190	11	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Bis(2-chloroethoxy)methane	ND	L4	190	10	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	19	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Bis(2-ethylhexyl)phthalate	290		190	59	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-01 (B-11920 - Solid) - cont.

Sampled: 05/19/10 14:30

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	L	190	49	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Chrysene	ND		190	1.8	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Fluoranthene	ND		190	2.7	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Fluorene	ND		190	4.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Hexachlorobenzene	ND		190	9.1	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Hexachlorobutadiene	ND		190	9.4	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.1	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
N-Nitrosodiphenylamine	ND		190	10	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Phenanthrene	ND		190	3.9	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Phenol	ND		190	19	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	05/21/10 17:35	JLG	10E1619	8270C
2,4,6-Tribromophenol	92 %		Surr Limits: (39-146%)				05/21/10 17:35	JLG	10E1619	8270C
2-Fluorobiphenyl	65 %		Surr Limits: (37-120%)				05/21/10 17:35	JLG	10E1619	8270C
2-Fluorophenol	58 %		Surr Limits: (18-120%)				05/21/10 17:35	JLG	10E1619	8270C
Nitrobenzene-d5	59 %		Surr Limits: (34-132%)				05/21/10 17:35	JLG	10E1619	8270C
Phenol-d5	67 %		Surr Limits: (11-120%)				05/21/10 17:35	JLG	10E1619	8270C
p-Terphenyl-d14	78 %		Surr Limits: (58-147%)				05/21/10 17:35	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	17.6	0.6	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Arsenic	3.2	2.3	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Barium	89.2	0.586	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Cadmium	ND	0.234	NR	mg/kg dry	1.00	05/23/10 12:57	LMH	10E1634	6010B
Chromium	17.0	0.586	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Copper	2.5	1.2	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Lead	3.9	1.2	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Nickel	18.3	5.86	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Selenium	ND	4.7	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Silver	ND	0.586	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Tin	ND	2.3	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Zinc	54.0	2.3	NR	mg/kg dry	1.00	05/21/10 22:00	DAN	10E1634	6010B
Mercury	ND	0.0227	NR	mg/kg dry	1.00	05/20/10 17:17	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-01 (B-11920 - Solid) - cont.					Sampled: 05/19/10 14:30			Recvd: 05/20/10 09:00		

General Chemistry Parameters

Percent Solids	91		0.010	NR	%	1.00	05/20/10 20:29	KMB	10E1643	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-01RE1 (B-11920 - Solid)						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	L	180	40	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4-Dichlorophenol	ND		180	9.6	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4-Dinitrophenol	ND		360	64	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,6-Dinitrotoluene	ND		180	45	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Chlorophenol	ND		180	9.3	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
3,3'-Dichlorobenzidine	ND		180	160	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4,6-Dinitro-2-methylphenol	ND		360	63	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Bromophenyl phenyl ether	ND		180	58	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Chloro-3-methylphenol	ND		180	7.5	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Chloroaniline	ND		180	54	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Nitroaniline	ND		360	20	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
4-Nitrophenol	ND		360	44	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Acetophenone	ND		180	9.4	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Anthracene	ND		180	4.7	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Atrazine	ND		180	8.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Benzo(a)anthracene	ND		180	3.2	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Benzo(a)pyrene	ND	180	4.4	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Benzo(b)fluoranthene	ND	180	3.5	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Benzo(ghi)perylene	ND	180	2.2	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Benzo(k)fluoranthene	ND	180	2.0	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Biphenyl	ND	180	11	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Bis(2-chloroethoxy)methane	ND	180	9.9	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Bis(2-chloroethyl)ether	ND	180	16	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
2,2'-Oxybis(1-Chloropropene)	ND	180	19	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Bis(2-ethylhexyl)phthalate	ND	180	59	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Butyl benzyl phthalate	ND	L	180	49	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Caprolactam	ND	L	180	79	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Carbazole	ND	180	2.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Chrysene	ND	180	1.8	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Dibenzo(a,h)anthracene	ND	180	2.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	
Dibenzofuran	ND	180	1.9	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-01RE1 (B-11920 - Solid) - cont.						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Dimethyl phthalate	ND		180	4.8	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Di-n-butyl phthalate	ND		180	63	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Di-n-octyl phthalate	ND		180	4.3	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Fluorene	ND		180	4.2	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Hexachlorobenzene	ND		180	9.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Hexachlorobutadiene	ND		180	9.3	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Indeno(1,2,3-cd)pyrene	ND		180	5.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Isophorone	ND		180	9.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Nitrobenzene	ND		180	8.1	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
N-Nitrosodiphenylamine	ND	L	180	10	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Phenanthrene	ND		180	3.8	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Phenol	ND		180	19	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
Pyrene	ND		180	1.2	ug/kg dry	1.00	05/24/10 18:52	JLG	10E1884	8270C
2,4,6-Tribromophenol	90 %		Surr Limits: (39-146%)				05/24/10 18:52	JLG	10E1884	8270C
2-Fluorobiphenyl	67 %		Surr Limits: (37-120%)				05/24/10 18:52	JLG	10E1884	8270C
2-Fluorophenol	56 %		Surr Limits: (18-120%)				05/24/10 18:52	JLG	10E1884	8270C
Nitrobenzene-d5	58 %		Surr Limits: (34-132%)				05/24/10 18:52	JLG	10E1884	8270C
Phenol-d5	66 %		Surr Limits: (11-120%)				05/24/10 18:52	JLG	10E1884	8270C
p-Terphenyl-d14	81 %		Surr Limits: (58-147%)				05/24/10 18:52	JLG	10E1884	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-02 (B-101920 - Solid)						Sampled: 05/19/10 09:40		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		6.1	0.44	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,1,2,2-Tetrachloroethane	ND		6.1	0.99	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,1,2-Trichloroethane	ND		6.1	0.79	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.4	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,1-Dichloroethane	ND		6.1	0.74	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,1-Dichloroethene	ND		6.1	0.74	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2,4-Trichlorobenzene	ND		6.1	0.37	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dibromo-3-chloropropene	ND		6.1	3.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dibromoethane	ND		6.1	0.78	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dichlorobenzene	ND		6.1	0.48	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dichloroethane	ND		6.1	0.31	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dichloropropane	ND		6.1	3.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,3-Dichlorobenzene	ND		6.1	0.31	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,4-Dichlorobenzene	ND		6.1	0.85	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
2-Butanone	ND		30	2.2	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
4-Methyl-2-pentanone	ND		30	2.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Acetone	ND		30	5.1	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Benzene	ND		6.1	0.30	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Bromodichloromethane	ND		6.1	0.81	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Bromoform	ND		6.1	3.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Bromomethane	ND		6.1	0.55	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Carbon disulfide	ND		6.1	3.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Carbon Tetrachloride	ND		6.1	0.59	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Chlorobenzene	ND		6.1	0.80	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Dibromochloromethane	ND		6.1	0.78	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Chloroethane	ND		6.1	1.4	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Chloroform	ND		6.1	0.38	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Chloromethane	ND		6.1	0.37	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
cis-1,2-Dichloroethene	ND		6.1	0.78	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
cis-1,3-Dichloropropene	ND		6.1	0.88	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Cyclohexane	3.4	J	6.1	0.85	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Dichlorodifluoromethane	ND		6.1	0.50	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Ethylbenzene	ND		6.1	0.42	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Isopropylbenzene	ND		6.1	0.92	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Methyl Acetate	ND		6.1	1.1	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Methyl-t-Butyl Ether (MTBE)	ND		6.1	0.60	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Methylcyclohexane	ND		6.1	0.92	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Methylene Chloride	22	B	6.1	2.8	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Styrene	ND		6.1	0.30	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Tetrachloroethene	ND		6.1	0.82	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Toluene	ND		6.1	0.46	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
trans-1,2-Dichloroethene	ND		6.1	0.63	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Trichloroethene	ND		6.1	1.3	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Trichlorofluoromethane	ND		6.1	0.58	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
Vinyl chloride	ND		6.1	0.74	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-02 (B-101920 - Solid) - cont.

Sampled: 05/19/10 09:40

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		12	1.0	ug/kg dry	1.00	05/21/10 20:06	PQ	10E1706	8260B
1,2-Dichloroethane-d4	87 %		Surr Limits: (64-126%)				05/21/10 20:06	PQ	10E1706	8260B
4-Bromofluorobenzene	109 %		Surr Limits: (72-126%)				05/21/10 20:06	PQ	10E1706	8260B
Toluene-d8	111 %		Surr Limits: (71-125%)				05/21/10 20:06	PQ	10E1706	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		170	38	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4,6-Trichlorophenol	ND		170	11	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4-Dichlorophenol	ND		170	9.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4-Dimethylphenol	ND		170	47	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4-Dinitrophenol	ND		340	60	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4-Dinitrotoluene	ND		170	27	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,6-Dinitrotoluene	ND		170	42	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Chloronaphthalene	ND		170	12	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Chlorophenol	ND		170	8.8	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Methylnaphthalene	ND		170	2.1	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Methylphenol	ND		170	5.3	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Nitroaniline	ND		340	55	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2-Nitrophenol	ND		170	7.9	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
3,3'-Dichlorobenzidine	ND		170	150	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
3-Nitroaniline	ND		340	40	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4,6-Dinitro-2-methylphenol	ND		340	60	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Bromophenyl phenyl ether	ND		170	55	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Chloro-3-methylphenol	ND		170	7.1	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Chloroaniline	ND		170	51	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Chlorophenyl phenyl ether	ND		170	3.7	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Methylphenol	ND		340	9.6	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Nitroaniline	ND		340	19	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
4-Nitrophenol	ND		340	42	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Acenaphthene	ND		170	2.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Acenaphthylene	ND		170	1.4	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Acetophenone	ND	L4	170	8.9	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Anthracene	ND		170	4.4	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Atrazine	ND		170	7.7	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzaldehyde	ND		170	19	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzo(a)anthracene	ND		170	3.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzo(a)pyrene	ND		170	4.2	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzo(b)fluoranthene	ND		170	3.3	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzo(ghi)perylene	ND		170	2.1	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Benzo(k)fluoranthene	ND		170	1.9	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Biphenyl	ND	L4	170	11	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Bis(2-chloroethoxy)methane	ND	L4	170	9.4	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Bis(2-chloroethyl)ether	ND		170	15	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,2'-Oxybis(1-Chloropropane)	ND		170	18	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Bis(2-ethylhexyl)phthalate	ND		170	56	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-02 (B-101920 - Solid) - cont.

Sampled: 05/19/10 09:40

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	L	170	46	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Caprolactam	ND		170	75	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Carbazole	ND		170	2.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Chrysene	ND		170	1.7	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Dibenzo(a,h)anthracene	ND		170	2.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Dibenzofuran	ND		170	1.8	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Diethyl phthalate	ND		170	5.2	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Dimethyl phthalate	ND		170	4.5	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Di-n-butyl phthalate	ND		170	60	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Di-n-octyl phthalate	ND		170	4.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Fluoranthene	ND		170	2.5	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Fluorene	ND		170	4.0	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Hexachlorobenzene	ND		170	8.6	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Hexachlorobutadiene	ND		170	8.8	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Hexachlorocyclopentadiene	ND		170	52	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Hexachloroethane	ND		170	13	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Indeno(1,2,3-cd)pyrene	ND		170	4.8	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Isophorone	ND		170	8.6	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Naphthalene	ND		170	2.9	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Nitrobenzene	ND		170	7.7	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
N-Nitrosodi-n-propylamine	ND		170	14	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
N-Nitrosodiphenylamine	ND		170	9.4	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Pentachlorophenol	ND		340	59	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Phenanthrene	ND		170	3.6	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Phenol	ND		170	18	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
Pyrene	ND		170	1.1	ug/kg dry	1.00	05/21/10 17:58	JLG	10E1619	8270C
2,4,6-Tribromophenol	76 %		Surr Limits: (39-146%)				05/21/10 17:58	JLG	10E1619	8270C
2-Fluorobiphenyl	60 %		Surr Limits: (37-120%)				05/21/10 17:58	JLG	10E1619	8270C
2-Fluorophenol	53 %		Surr Limits: (18-120%)				05/21/10 17:58	JLG	10E1619	8270C
Nitrobenzene-d5	56 %		Surr Limits: (34-132%)				05/21/10 17:58	JLG	10E1619	8270C
Phenol-d5	60 %		Surr Limits: (11-120%)				05/21/10 17:58	JLG	10E1619	8270C
p-Terphenyl-d14	76 %		Surr Limits: (58-147%)				05/21/10 17:58	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	14.2	0.5	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Arsenic	ND	1.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Barium	40.3	0.475	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Cadmium	ND	0.190	NR	mg/kg dry	1.00	05/23/10 13:22	LMH	10E1634	6010B
Chromium	3.79	0.475	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Copper	7.5	0.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Lead	2.3	0.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Nickel	5.87	4.75	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Selenium	ND	3.8	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Silver	ND	0.475	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Tin	ND	1.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Zinc	13.3	1.9	NR	mg/kg dry	1.00	05/21/10 22:25	DAN	10E1634	6010B
Mercury	ND	0.0203	NR	mg/kg dry	1.00	05/20/10 17:19	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-02 (B-101920 - Solid) - cont.					Sampled: 05/19/10 09:40			Recvd: 05/20/10 09:00		
<u>General Chemistry Parameters</u>										
Percent Solids	97		0.010	NR	%	1.00	05/20/10 20:31	KMB	10E1643	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-02RE1 (B-101920 - Solid)						Sampled: 05/19/10 09:40		Recvd: 05/20/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	L	170	37	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4,6-Trichlorophenol	ND		170	11	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4-Dichlorophenol	ND		170	9.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4-Dimethylphenol	ND		170	46	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4-Dinitrophenol	ND		340	60	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4-Dinitrotoluene	ND		170	27	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,6-Dinitrotoluene	ND		170	42	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Chloronaphthalene	ND		170	12	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Chlorophenol	ND		170	8.7	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Methylnaphthalene	ND		170	2.1	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Methylphenol	ND		170	5.3	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Nitroaniline	ND		340	55	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2-Nitrophenol	ND		170	7.8	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
3,3'-Dichlorobenzidine	ND		170	150	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
3-Nitroaniline	ND		340	39	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4,6-Dinitro-2-methylphenol	ND		340	59	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4-Bromophenyl phenyl ether	ND		170	55	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4-Chloro-3-methylphenol	ND		170	7.1	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4-Chloroaniline	ND		170	50	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4-Chlorophenyl phenyl ether	ND		170	3.7	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
4-Methylphenol	ND	340	9.6	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
4-Nitroaniline	ND	340	19	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
4-Nitrophenol	ND	340	42	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Acenaphthene	ND	170	2.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Acenaphthylene	ND	170	1.4	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Acetophenone	ND	170	8.8	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Anthracene	ND	170	4.4	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Atrazine	ND	170	7.6	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzaldehyde	ND	170	19	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzo(a)anthracene	ND	170	3.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzo(a)pyrene	ND	170	4.1	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzo(b)fluoranthene	ND	170	3.3	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzo(ghi)perylene	ND	170	2.1	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Benzo(k)fluoranthene	ND	170	1.9	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Biphenyl	ND	170	11	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Bis(2-chloroethoxy)methane	ND	170	9.3	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Bis(2-chloroethyl)ether	ND	170	15	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
2,2'-Oxybis(1-Chloroprop-2-ene)	ND	170	18	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Bis(2-ethylhexyl)phthalate	ND	170	55	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Butyl benzyl phthalate	ND	L	170	46	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Caprolactam	ND	L	170	74	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Carbazole	ND	170	2.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Chrysene	ND	170	1.7	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Dibenzo(a,h)anthracene	ND	170	2.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	
Dibenzofuran	ND	170	1.8	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-02RE1 (B-101920 - Solid) - cont.						Sampled: 05/19/10 09:40		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND		170	5.2	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Dimethyl phthalate	ND		170	4.5	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Di-n-butyl phthalate	ND		170	59	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Di-n-octyl phthalate	ND		170	4.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Fluoranthene	ND		170	2.5	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Fluorene	ND		170	4.0	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Hexachlorobenzene	ND		170	8.5	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Hexachlorobutadiene	ND		170	8.8	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Hexachlorocyclopentadiene	ND		170	52	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Hexachloroethane	ND		170	13	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Indeno(1,2,3-cd)pyrene	ND		170	4.7	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Isophorone	ND		170	8.6	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Naphthalene	ND		170	2.9	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Nitrobenzene	ND		170	7.6	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
N-Nitrosodi-n-propylamine	ND		170	14	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
N-Nitrosodiphenylamine	ND	L	170	9.4	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Pentachlorophenol	ND		340	59	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Phenanthrene	ND		170	3.6	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Phenol	ND		170	18	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
Pyrene	ND		170	1.1	ug/kg dry	1.00	05/24/10 19:15	JLG	10E1884	8270C
2,4,6-Tribromophenol	85 %		Surr Limits: (39-146%)				05/24/10 19:15	JLG	10E1884	8270C
2-Fluorobiphenyl	68 %		Surr Limits: (37-120%)				05/24/10 19:15	JLG	10E1884	8270C
2-Fluorophenol	57 %		Surr Limits: (18-120%)				05/24/10 19:15	JLG	10E1884	8270C
Nitrobenzene-d5	64 %		Surr Limits: (34-132%)				05/24/10 19:15	JLG	10E1884	8270C
Phenol-d5	66 %		Surr Limits: (11-120%)				05/24/10 19:15	JLG	10E1884	8270C
p-Terphenyl-d14	85 %		Surr Limits: (58-147%)				05/24/10 19:15	JLG	10E1884	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-03 (B-100001 - Solid)						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.1	0.37	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,1,2,2-Tetrachloroethane	ND		5.1	0.83	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,1,2-Trichloroethane	ND		5.1	0.66	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,1-Dichloroethane	ND		5.1	0.62	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,1-Dichloroethene	ND		5.1	0.62	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dibromo-3-chloropropene	ND		5.1	2.5	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dibromoethane	ND		5.1	0.65	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dichlorobenzene	ND		5.1	0.40	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dichloroethane	ND		5.1	0.26	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dichloropropane	ND		5.1	2.5	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,3-Dichlorobenzene	ND		5.1	0.26	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,4-Dichlorobenzene	ND		5.1	0.71	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
2-Butanone	ND		25	1.9	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
2-Hexanone	ND		25	2.5	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
4-Methyl-2-pentanone	ND		25	1.7	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Acetone	ND		25	4.3	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Benzene	ND		5.1	0.25	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Bromodichloromethane	ND		5.1	0.68	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Bromoform	ND		5.1	2.5	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Bromomethane	ND		5.1	0.46	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Carbon disulfide	ND		5.1	2.5	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Carbon Tetrachloride	ND		5.1	0.49	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Chlorobenzene	ND		5.1	0.67	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Dibromochloromethane	ND		5.1	0.65	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Chloroethane	ND		5.1	1.1	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Chloroform	ND		5.1	0.31	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Chloromethane	ND		5.1	0.31	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
cis-1,2-Dichloroethene	ND		5.1	0.65	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
cis-1,3-Dichloropropene	ND		5.1	0.73	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Cyclohexane	2.8	J	5.1	0.71	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Dichlorodifluoromethane	ND		5.1	0.42	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Ethylbenzene	ND		5.1	0.35	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Isopropylbenzene	ND		5.1	0.77	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Methyl Acetate	ND		5.1	0.95	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.1	0.50	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Methylcyclohexane	ND		5.1	0.77	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Methylene Chloride	11	B	5.1	2.3	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Styrene	ND		5.1	0.25	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Tetrachloroethene	ND		5.1	0.68	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Toluene	ND		5.1	0.38	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
trans-1,2-Dichloroethene	ND		5.1	0.53	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
trans-1,3-Dichloropropene	ND		5.1	2.2	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Trichloroethene	ND		5.1	1.1	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Trichlorofluoromethane	ND		5.1	0.48	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
Vinyl chloride	ND		5.1	0.62	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
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Project: New York State Project
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Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-03 (B-100001 - Solid) - cont.

Sampled: 05/19/10 09:00

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		10	0.85	ug/kg dry	1.00	05/21/10 20:32	PQ	10E1706	8260B
1,2-Dichloroethane-d4	81 %		Surr Limits: (64-126%)				05/21/10 20:32	PQ	10E1706	8260B
4-Bromofluorobenzene	103 %		Surr Limits: (72-126%)				05/21/10 20:32	PQ	10E1706	8260B
Toluene-d8	103 %		Surr Limits: (71-125%)				05/21/10 20:32	PQ	10E1706	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND	D12	2200	470	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4,6-Trichlorophenol	ND	D12	2200	140	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4-Dichlorophenol	ND	D12	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4-Dimethylphenol	ND	D12	2200	580	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4-Dinitrophenol	ND	D12	4200	750	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4-Dinitrotoluene	ND	D12	2200	330	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,6-Dinitrotoluene	ND	D12	2200	530	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Chloronaphthalene	ND	D12	2200	140	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Chlorophenol	ND	D12	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Methylnaphthalene	ND	D12	2200	26	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Methylphenol	ND	D12	2200	66	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Nitroaniline	ND	D12	4200	690	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2-Nitrophenol	ND	D12	2200	98	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
3,3'-Dichlorobenzidine	ND	D12	2200	1900	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
3-Nitroaniline	ND	D12	4200	490	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4,6-Dinitro-2-methylphenol	ND	D12	4200	740	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Bromophenyl phenyl ether	ND	D12	2200	680	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Chloro-3-methylphenol	ND	D12	2200	88	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Chloroaniline	ND	D12	2200	630	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Chlorophenyl phenyl ether	ND	D12	2200	46	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Methylphenol	ND	D12	4200	120	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Nitroaniline	ND	D12	4200	240	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
4-Nitrophenol	ND	D12	4200	520	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Acenaphthene	ND	D12	2200	25	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Acenaphthylene	ND	D12	2200	18	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Acetophenone	ND	D12,L4	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Anthracene	ND	D12	2200	55	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Atrazine	ND	D12	2200	96	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzaldehyde	ND	D12	2200	240	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(a)anthracene	770	D12,J	2200	37	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(a)pyrene	950	D12,J	2200	52	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(b)fluoranthene	1400	D12,J	2200	42	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(ghi)perylene	890	D12,J	2200	26	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Benzo(k)fluoranthene	550	D12,J	2200	24	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Biphenyl	ND	D12,L4	2200	130	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Bis(2-chloroethoxy)methane	ND	D12,L4	2200	120	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Bis(2-chloroethyl)ether	ND	D12	2200	190	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND	D12	2200	220	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	2200	690	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-03 (B-100001 - Solid) - cont.						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Butyl benzyl phthalate	ND	D12	2200	580	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Caprolactam	ND	D12,L	2200	930	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Carbazole	ND	D12	2200	25	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Chrysene	1200	D12,J	2200	21	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Dibenzo(a,h)anthracene	200	D12,J	2200	25	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Dibenzofuran	ND	D12	2200	22	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Diethyl phthalate	ND	D12	2200	65	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Dimethyl phthalate	ND	D12	2200	56	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Di-n-butyl phthalate	ND	D12	2200	740	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Di-n-octyl phthalate	ND	D12	2200	50	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Fluoranthene	2200	D12	2200	31	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Fluorene	ND	D12	2200	50	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Hexachlorobenzene	ND	D12	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Hexachlorobutadiene	ND	D12	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Hexachlorocyclopentadiene	ND	D12	2200	650	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Hexachloroethane	ND	D12	2200	170	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Indeno(1,2,3-cd)pyrene	760	D12,J	2200	59	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Isophorone	ND	D12	2200	110	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Naphthalene	ND	D12	2200	36	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Nitrobenzene	ND	D12	2200	95	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
N-Nitrosodi-n-propylamine	ND	D12	2200	170	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
N-Nitrosodiphenylamine	ND	D12	2200	120	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Pentachlorophenol	ND	D12	4200	740	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Phenanthrene	960	D12,J	2200	45	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Phenol	ND	D12	2200	230	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
Pyrene	1700	D12,J	2200	14	ug/kg dry	10.0	05/21/10 18:21	JLG	10E1619	8270C
2,4,6-Tribromophenol	62 %	D12	Surr Limits: (39-146%)				05/21/10 18:21	JLG	10E1619	8270C
2-Fluorobiphenyl	75 %	D12	Surr Limits: (37-120%)				05/21/10 18:21	JLG	10E1619	8270C
2-Fluorophenol	57 %	D12	Surr Limits: (18-120%)				05/21/10 18:21	JLG	10E1619	8270C
Nitrobenzene-d5	57 %	D12	Surr Limits: (34-132%)				05/21/10 18:21	JLG	10E1619	8270C
Phenol-d5	69 %	D12	Surr Limits: (11-120%)				05/21/10 18:21	JLG	10E1619	8270C
p-Terphenyl-d14	76 %	D12	Surr Limits: (58-147%)				05/21/10 18:21	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	20.2	0.7	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Arsenic	ND	2.7	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Barium	49.2	0.673	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Cadmium	12.0	0.269	NR	mg/kg dry	1.00	05/23/10 13:27	LMH	10E1634	6010B
Chromium	10.1	0.673	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Copper	17.2	1.3	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Lead	48.8	1.3	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Nickel	10.8	6.73	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Selenium	ND	5.4	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Silver	ND	0.673	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Tin	ND	2.7	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Zinc	52.2	2.7	NR	mg/kg dry	1.00	05/21/10 22:30	DAN	10E1634	6010B
Mercury	0.0482	0.0253	NR	mg/kg dry	1.00	05/20/10 17:21	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-03 (B-100001 - Solid) - cont.					Sampled: 05/19/10 09:00			Recvd: 05/20/10 09:00		
<u>General Chemistry Parameters</u>										
Percent Solids	78		0.010	NR	%	1.00	05/20/10 20:33	KMB	10E1643	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-03RE1 (B-100001 - Solid)						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D12	2100	460	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4,6-Trichlorophenol	ND	D12	2100	140	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4-Dichlorophenol	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4-Dimethylphenol	ND	D12	2100	570	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4-Dinitrophenol	ND	D12	4200	740	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4-Dinitrotoluene	ND	D12	2100	330	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,6-Dinitrotoluene	ND	D12	2100	520	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Chloronaphthalene	ND	D12	2100	140	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Chlorophenol	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Methylnaphthalene	ND	D12	2100	26	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Methylphenol	ND	D12	2100	65	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Nitroaniline	ND	D12	4200	680	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2-Nitrophenol	ND	D12	2100	97	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
3,3'-Dichlorobenzidine	ND	D12,L	2100	1900	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
3-Nitroaniline	ND	D12	4200	490	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4,6-Dinitro-2-methylphenol	ND	D12	4200	730	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Bromophenyl phenyl ether	ND	D12	2100	680	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Chloro-3-methylphenol	ND	D12	2100	88	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Chloroaniline	ND	D12	2100	620	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Chlorophenyl phenyl ether	ND	D12	2100	45	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Methylphenol	ND	D12	4200	120	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Nitroaniline	ND	D12	4200	240	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
4-Nitrophenol	ND	D12	4200	520	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Acenaphthene	ND	D12	2100	25	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Acenaphthylene	ND	D12	2100	17	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Acetophenone	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Anthracene	ND	D12	2100	54	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Atrazine	ND	D12	2100	95	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzaldehyde	ND	D12	2100	230	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(a)anthracene	920	D12,J	2100	37	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(a)pyrene	1000	D12,J	2100	51	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(b)fluoranthene	1600	D12,J	2100	41	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(ghi)perylene	840	D12,J	2100	26	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Benzo(k)fluoranthene	750	D12,J	2100	23	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Biphenyl	ND	D12	2100	130	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Bis(2-chloroethoxy)methane	ND	D12	2100	120	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Bis(2-chloroethyl)ether	ND	D12	2100	180	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND	D12	2100	220	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	2100	690	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Butyl benzyl phthalate	ND	D12,L	2100	570	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Caprolactam	ND	D12,L	2100	920	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Carbazole	140	D12,J	2100	25	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Chrysene	1300	D12,J	2100	21	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Dibenzo(a,h)anthracene	ND	D12	2100	25	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Dibenzofuran	ND	D12	2100	22	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-03RE1 (B-100001 - Solid) - cont.						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND	D12	2100	64	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Dimethyl phthalate	ND	D12	2100	55	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Di-n-butyl phthalate	ND	D12	2100	740	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Di-n-octyl phthalate	ND	D12	2100	50	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Fluoranthene	2800	D12	2100	31	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Fluorene	ND	D12	2100	49	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Hexachlorobenzene	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Hexachlorobutadiene	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Hexachlorocyclopentadiene	ND	D12	2100	640	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Hexachloroethane	ND	D12	2100	160	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Indeno(1,2,3-cd)pyrene	720	D12,J	2100	59	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Isophorone	ND	D12	2100	110	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Naphthalene	ND	D12	2100	35	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Nitrobenzene	ND	D12	2100	94	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
N-Nitrosodi-n-propylamine	ND	D12	2100	170	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
N-Nitrosodiphenylamine	ND	D12,L	2100	120	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Pentachlorophenol	ND	D12	4200	730	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Phenanthrene	1500	D12,J	2100	45	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Phenol	ND	D12	2100	220	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
Pyrene	2200	D12	2100	14	ug/kg dry	10.0	05/24/10 19:38	JLG	10E1884	8270C
2,4,6-Tribromophenol	78 %	D12	Surr Limits: (39-146%)				05/24/10 19:38	JLG	10E1884	8270C
2-Fluorobiphenyl	86 %	D12	Surr Limits: (37-120%)				05/24/10 19:38	JLG	10E1884	8270C
2-Fluorophenol	55 %	D12	Surr Limits: (18-120%)				05/24/10 19:38	JLG	10E1884	8270C
Nitrobenzene-d5	58 %	D12	Surr Limits: (34-132%)				05/24/10 19:38	JLG	10E1884	8270C
Phenol-d5	74 %	D12	Surr Limits: (11-120%)				05/24/10 19:38	JLG	10E1884	8270C
p-Terphenyl-d14	94 %	D12	Surr Limits: (58-147%)				05/24/10 19:38	JLG	10E1884	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-04 (B-92025 - Solid)						Sampled: 05/19/10 08:25		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	B	4.6	0.34	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,1,2,2-Tetrachloroethane	ND		4.6	0.75	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,1,2-Trichloroethane	ND		4.6	0.60	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,1-Dichloroethane	ND		4.6	0.57	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,1-Dichloroethene	ND		4.6	0.57	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2,4-Trichlorobenzene	ND		4.6	0.28	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dibromo-3-chloropropene	ND		4.6	2.3	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dibromoethane	ND		4.6	0.60	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dichlorobenzene	ND		4.6	0.36	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dichloroethane	ND		4.6	0.23	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dichloropropane	ND		4.6	2.3	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,3-Dichlorobenzene	ND		4.6	0.24	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,4-Dichlorobenzene	ND		4.6	0.65	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
2-Butanone	ND		23	1.7	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
2-Hexanone	ND		23	2.3	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
4-Methyl-2-pentanone	ND		23	1.5	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Acetone	ND		23	3.9	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Benzene	ND		4.6	0.23	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Bromodichloromethane	ND		4.6	0.62	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Bromoform	ND		4.6	2.3	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Bromomethane	ND		4.6	0.42	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Carbon disulfide	ND		4.6	2.3	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Carbon Tetrachloride	ND		4.6	0.45	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Chlorobenzene	ND		4.6	0.61	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Dibromochloromethane	ND		4.6	0.59	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Chloroethane	ND		4.6	1.1	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Chloroform	ND		4.6	0.29	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Chloromethane	ND		4.6	0.28	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
cis-1,2-Dichloroethene	ND		4.6	0.59	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
cis-1,3-Dichloropropene	ND		4.6	0.67	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Cyclohexane	ND		4.6	0.65	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Dichlorodifluoromethane	ND		4.6	0.38	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Ethylbenzene	ND		4.6	0.32	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Isopropylbenzene	ND		4.6	0.70	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Methyl Acetate	ND		4.6	0.86	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.6	0.46	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Methylcyclohexane	ND		4.6	0.71	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Methylene Chloride	9.3		4.6	2.1	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Styrene	ND		4.6	0.23	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
Tetrachloroethene	ND	4.6	0.62	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
Toluene	ND	4.6	0.35	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
trans-1,2-Dichloroethene	ND	4.6	0.48	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
trans-1,3-Dichloropropene	ND	4.6	2.0	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
Trichloroethene	ND	4.6	1.0	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
Trichlorofluoromethane	ND	4.6	0.44	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	
Vinyl chloride	ND	4.6	0.57	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-04 (B-92025 - Solid) - cont.

Sampled: 05/19/10 08:25

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		9.3	0.78	ug/kg dry	1.00	05/21/10 20:57	PQ	10E1706	8260B
1,2-Dichloroethane-d4	87 %		Surr Limits: (64-126%)				05/21/10 20:57	PQ	10E1706	8260B
4-Bromofluorobenzene	110 %		Surr Limits: (72-126%)				05/21/10 20:57	PQ	10E1706	8260B
Toluene-d8	111 %		Surr Limits: (71-125%)				05/21/10 20:57	PQ	10E1706	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		200	43	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4-Dichlorophenol	ND		200	10	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4-Dimethylphenol	ND		200	53	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4-Dinitrophenol	ND		380	68	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4-Dinitrotoluene	ND		200	30	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,6-Dinitrotoluene	ND		200	48	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Chloronaphthalene	ND		200	13	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Chlorophenol	ND		200	9.9	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Methylnaphthalene	ND		200	2.4	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Methylphenol	ND		200	6.0	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Nitroaniline	ND		380	63	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2-Nitrophenol	ND		200	8.9	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
3,3'-Dichlorobenzidine	ND		200	170	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
3-Nitroaniline	ND		380	45	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4,6-Dinitro-2-methylphenol	ND		380	67	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Bromophenyl phenyl ether	ND		200	62	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Chloro-3-methylphenol	ND		200	8.0	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Chloroaniline	ND		200	57	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Chlorophenyl phenyl ether	ND		200	4.2	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Nitroaniline	ND		380	22	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Acenaphthene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Acetophenone	ND	L4	200	10	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Anthracene	ND		200	5.0	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Atrazine	ND		200	8.7	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzaldehyde	ND		200	21	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzo(a)anthracene	ND		200	3.4	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzo(a)pyrene	ND		200	4.7	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzo(b)fluoranthene	ND		200	3.8	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzo(ghi)perylene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Benzo(k)fluoranthene	ND		200	2.2	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Biphenyl	ND	L4	200	12	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Bis(2-chloroethoxy)methane	ND	L4	200	11	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		200	20	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Bis(2-ethylhexyl)phthalate	87	J	200	63	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1044-04 (B-92025 - Solid) - cont.

Sampled: 05/19/10 08:25

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		200	52	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Caprolactam	ND	L	200	85	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Chrysene	ND		200	2.0	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Dibenzo(a,h)anthracene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Dibenzofuran	ND		200	2.0	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Diethyl phthalate	ND		200	5.9	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Dimethyl phthalate	ND		200	5.1	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Di-n-butyl phthalate	ND		200	68	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Di-n-octyl phthalate	ND		200	4.6	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Fluoranthene	ND		200	2.8	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Fluorene	ND		200	4.5	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Hexachlorobenzene	ND		200	9.7	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Hexachlorocyclopentadiene	ND		200	59	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Hexachloroethane	ND		200	15	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Indeno(1,2,3-cd)pyrene	ND		200	5.4	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Isophorone	ND		200	9.8	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Naphthalene	ND		200	3.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Nitrobenzene	ND		200	8.7	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
N-Nitrosodi-n-propylamine	ND		200	15	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
N-Nitrosodiphenylamine	ND		200	11	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Pentachlorophenol	ND		380	67	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Phenanthrene	ND		200	4.1	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Phenol	ND		200	21	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
Pyrene	ND		200	1.3	ug/kg dry	1.00	05/21/10 18:43	JLG	10E1619	8270C
2,4,6-Tribromophenol	100 %		Surr Limits: (39-146%)				05/21/10 18:43	JLG	10E1619	8270C
2-Fluorobiphenyl	84 %		Surr Limits: (37-120%)				05/21/10 18:43	JLG	10E1619	8270C
2-Fluorophenol	73 %		Surr Limits: (18-120%)				05/21/10 18:43	JLG	10E1619	8270C
Nitrobenzene-d5	76 %		Surr Limits: (34-132%)				05/21/10 18:43	JLG	10E1619	8270C
Phenol-d5	84 %		Surr Limits: (11-120%)				05/21/10 18:43	JLG	10E1619	8270C
p-Terphenyl-d14	86 %		Surr Limits: (58-147%)				05/21/10 18:43	JLG	10E1619	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	16.6	0.6	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Arsenic	ND	2.2	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Barium	34.9	0.552	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Cadmium	ND	0.221	NR	mg/kg dry	1.00	05/23/10 13:32	LMH	10E1634	6010B
Chromium	1.74	0.552	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Copper	ND	1.1	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Lead	1.3	1.1	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Nickel	ND	5.52	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Selenium	ND	4.4	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Silver	ND	0.552	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Tin	ND	2.2	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Zinc	4.8	2.2	NR	mg/kg dry	1.00	05/21/10 22:35	DAN	10E1634	6010B
Mercury	ND	0.0226	NR	mg/kg dry	1.00	05/20/10 17:22	MXM	10E1471	7471A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-04 (B-92025 - Solid) - cont.					Sampled: 05/19/10 08:25			Recvd: 05/20/10 09:00		
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/20/10 20:35	KMB	10E1643	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-04RE1 (B-92025 - Solid)						Sampled: 05/19/10 08:25		Recvd: 05/20/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	L	190	42	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4,6-Trichlorophenol	ND		190	13	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4-Dichlorophenol	ND		190	10	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4-Dimethylphenol	ND		190	52	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4-Dinitrophenol	ND		380	67	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4-Dinitrotoluene	ND		190	30	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,6-Dinitrotoluene	ND		190	47	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Chloronaphthalene	ND		190	13	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Chlorophenol	ND		190	9.8	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Methylnaphthalene	ND		190	2.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Methylphenol	ND		190	5.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Nitroaniline	ND		380	62	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2-Nitrophenol	ND		190	8.8	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
3,3'-Dichlorobenzidine	ND		190	170	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
3-Nitroaniline	ND		380	44	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4,6-Dinitro-2-methylphenol	ND		380	67	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Bromophenyl phenyl ether	ND		190	61	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Chloro-3-methylphenol	ND		190	7.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Chloroaniline	ND		190	57	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Chlorophenyl phenyl ether	ND		190	4.1	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Nitroaniline	ND		380	22	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Acenaphthene	ND		190	2.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Acenaphthylene	ND		190	1.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Acetophenone	ND		190	9.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Anthracene	ND		190	4.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Atrazine	ND		190	8.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Benzaldehyde	ND	190	21	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Benzo(a)anthracene	ND	190	3.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Benzo(a)pyrene	ND	190	4.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Benzo(b)fluoranthene	ND	190	3.7	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Benzo(ghi)perylene	ND	190	2.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Benzo(k)fluoranthene	ND	190	2.1	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Biphenyl	ND	190	12	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Bis(2-chloroethoxy)methane	ND	190	10	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Bis(2-chloroethyl)ether	ND	190	17	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
2,2'-Oxybis(1-Chloroprop- ane)	ND	190	20	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Bis(2-ethylhexyl)phthalate	ND	190	62	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C	
Butyl benzyl phthalate	ND	L	190	52	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Caprolactam	ND	L	190	83	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Carbazole	ND		190	2.2	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Chrysene	ND		190	1.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Dibenzo(a,h)anthracene	ND		190	2.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Dibenzofuran	ND		190	2.0	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1044-04RE1 (B-92025 - Solid) - cont.						Sampled: 05/19/10 08:25		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND		190	5.8	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Dimethyl phthalate	ND		190	5.0	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Di-n-butyl phthalate	ND		190	67	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Di-n-octyl phthalate	ND		190	4.5	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Fluoranthene	ND		190	2.8	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Fluorene	ND		190	4.4	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Hexachlorobenzene	ND		190	9.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Hexachlorobutadiene	ND		190	9.9	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Hexachlorocyclopentadiene	ND		190	58	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Hexachloroethane	ND		190	15	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.3	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Isophorone	ND		190	9.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Naphthalene	ND		190	3.2	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Nitrobenzene	ND		190	8.6	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
N-Nitrosodiphenylamine	ND	L	190	11	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Pentachlorophenol	ND		380	66	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Phenanthrene	ND		190	4.0	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Phenol	ND		190	20	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	05/24/10 20:01	JLG	10E1884	8270C
2,4,6-Tribromophenol	95 %		Surr Limits: (39-146%)				05/24/10 20:01	JLG	10E1884	8270C
2-Fluorobiphenyl	81 %		Surr Limits: (37-120%)				05/24/10 20:01	JLG	10E1884	8270C
2-Fluorophenol	67 %		Surr Limits: (18-120%)				05/24/10 20:01	JLG	10E1884	8270C
Nitrobenzene-d5	73 %		Surr Limits: (34-132%)				05/24/10 20:01	JLG	10E1884	8270C
Phenol-d5	78 %		Surr Limits: (11-120%)				05/24/10 20:01	JLG	10E1884	8270C
p-Terphenyl-d14	87 %		Surr Limits: (58-147%)				05/24/10 20:01	JLG	10E1884	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-01 (B-6 - Water)						Sampled: 05/19/10 16:00		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
2-Butanone (MEK)	4.0	J	5.0	1.3	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Acetone	13		5.0	3.0	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Carbon disulfide	0.72	J	1.0	0.19	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chloroform	29		1.0	0.34	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-01 (B-6 - Water) - cont.

Sampled: 05/19/10 16:00

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B
Xylenes, total	1.8	J	2.0	0.66	ug/L	1.00	05/21/10 21:11	CDC	10E1764	8260B

1,2-Dichloroethane-d4	93 %		Surr Limits: (66-137%)				05/21/10 21:11	CDC	10E1764	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				05/21/10 21:11	CDC	10E1764	8260B
Toluene-d8	106 %		Surr Limits: (71-126%)				05/21/10 21:11	CDC	10E1764	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,4-Dichlorophenol	ND		5.0	0.51	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,4-Dimethylphenol	ND		5.0	0.50	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,4-Dinitrophenol	ND		10	2.2	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Chloronaphthalene	ND		5.0	0.46	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Chlorophenol	ND		5.0	0.53	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Methylnaphthalene	1.1	J	5.0	0.60	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Methylphenol	ND		5.0	0.40	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Nitroaniline	ND		10	0.42	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2-Nitrophenol	ND		5.0	0.48	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
3-Nitroaniline	ND		10	0.48	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Chloroaniline	ND		5.0	0.59	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Methylphenol	ND		10	0.36	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Nitroaniline	ND		10	0.25	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
4-Nitrophenol	ND		10	1.5	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Acenaphthene	ND		5.0	0.41	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Acenaphthylene	ND		5.0	0.38	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Acetophenone	2.1	J	5.0	0.54	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Aniline	ND		10	0.61	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Anthracene	ND		5.0	0.28	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Atrazine	ND		5.0	0.46	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzaldehyde	ND		5.0	0.27	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzo(a)anthracene	ND		5.0	0.36	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzo(a)pyrene	ND		5.0	0.47	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzo(ghi)perylene	ND		5.0	0.35	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Biphenyl	ND		5.0	0.65	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		5.0	0.52	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-01 (B-6 - Water) - cont.

Sampled: 05/19/10 16:00

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Bis(2-ethylhexyl) phthalate	3.7	J	5.0	1.8	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Butyl benzyl phthalate	ND		5.0	0.42	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Caprolactam	ND		5.0	2.2	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Carbazole	ND		5.0	0.30	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Chrysene	ND		5.0	0.33	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Dibenzo(a,h)anthracene	ND		5.0	0.42	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Dibenzofuran	ND		10	0.51	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Diethyl phthalate	3.5	J	5.0	0.22	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Dimethyl phthalate	ND		5.0	0.36	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Di-n-butyl phthalate	1.4	J	5.0	0.31	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Di-n-octyl phthalate	ND		5.0	0.47	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Fluoranthene	ND		5.0	0.40	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Fluorene	ND		5.0	0.36	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Hexachlorobenzene	ND		5.0	0.51	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Hexachlorobutadiene	ND		5.0	0.68	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Hexachloroethane	ND		5.0	0.59	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Isophorone	ND		5.0	0.43	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Naphthalene	ND		5.0	0.76	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Nitrobenzene	ND		5.0	0.29	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Pentachlorophenol	ND		10	2.2	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Phenanthrene	ND		5.0	0.44	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Phenol	ND		5.0	0.39	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C
Pyrene	ND		5.0	0.34	ug/L	1.00	05/21/10 14:32	JLG	10E1617	8270C

2,4,6-Tribromophenol	102 %	Surr Limits: (52-132%)	05/21/10 14:32	JLG	10E1617	8270C
2-Fluorobiphenyl	73 %	Surr Limits: (48-120%)	05/21/10 14:32	JLG	10E1617	8270C
2-Fluorophenol	34 %	Surr Limits: (20-120%)	05/21/10 14:32	JLG	10E1617	8270C
Nitrobenzene-d5	58 %	Surr Limits: (46-120%)	05/21/10 14:32	JLG	10E1617	8270C
Phenol-d5	29 %	Surr Limits: (16-120%)	05/21/10 14:32	JLG	10E1617	8270C
p-Terphenyl-d14	48 %	Surr Limits: (24-136%)	05/21/10 14:32	JLG	10E1617	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	0.0200	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Arsenic	ND	0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Barium	0.350	0.0020	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Cadmium	ND	0.0010	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Chromium	0.0284	0.0040	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Copper	0.0316	0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Lead	0.0099	0.0050	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Nickel	0.0249	0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Selenium	ND	0.0150	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Silver	ND	0.0030	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Tin	ND	0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B
Zinc	0.0816	0.0100	NR	mg/L	1.00	05/21/10 21:10	DAN	10E1629	6010B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-01 (B-6 - Water) - cont.					Sampled: 05/19/10 16:00			Recvd: 05/20/10 09:00		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Mercury	ND	S6	0.0002	NR	mg/L	1.00	05/21/10 18:56	MXM	10E1708	7470A
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Barium	0.167		0.0020	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 13:33	DAN	10E1739	6010B
Zinc	0.0100		0.0100	NR	mg/L	1.00	05/24/10 00:14	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:35	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-02 (B-7 - Water)						Sampled: 05/19/10 17:40		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Acetone	3.8	J	5.0	3.0	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chloroform	5.6		1.0	0.34	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-02 (B-7 - Water) - cont.

Sampled: 05/19/10 17:40

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/21/10 21:33	CDC	10E1764	8260B

1,2-Dichloroethane-d4	93 %		Surr Limits: (66-137%)				05/21/10 21:33	CDC	10E1764	8260B
4-Bromofluorobenzene	103 %		Surr Limits: (73-120%)				05/21/10 21:33	CDC	10E1764	8260B
Toluene-d8	109 %		Surr Limits: (71-126%)				05/21/10 21:33	CDC	10E1764	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,4-Dichlorophenol	ND		4.7	0.48	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,4-Dimethylphenol	ND		4.7	0.47	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,4-Dinitrophenol	ND		9.4	2.1	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Chloronaphthalene	ND		4.7	0.43	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Chlorophenol	ND		4.7	0.50	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Methylnaphthalene	ND		4.7	0.57	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Methylphenol	ND		4.7	0.38	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Nitroaniline	ND		9.4	0.40	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2-Nitrophenol	ND		4.7	0.45	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
3-Nitroaniline	ND		9.4	0.45	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Chloroaniline	ND		4.7	0.56	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Methylphenol	ND		9.4	0.34	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Nitroaniline	ND		9.4	0.24	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Acenaphthene	ND		4.7	0.39	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Acenaphthylene	ND		4.7	0.36	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Acetophenone	44		4.7	0.51	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Aniline	ND		9.4	0.58	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Anthracene	ND		4.7	0.26	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Atrazine	ND		4.7	0.43	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzo(a)anthracene	ND		4.7	0.34	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzo(a)pyrene	ND		4.7	0.44	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzo(ghi)perylene	ND		4.7	0.33	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Biphenyl	ND		4.7	0.62	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.7	0.49	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-02 (B-7 - Water) - cont.

Sampled: 05/19/10 17:40

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Bis(2-ethylhexyl) phthalate	5.5		4.7	1.7	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Butyl benzyl phthalate	ND		4.7	0.40	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Caprolactam	ND		4.7	2.1	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Chrysene	ND		4.7	0.31	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.40	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Dibenzofuran	ND		9.4	0.48	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Diethyl phthalate	6.0		4.7	0.21	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Dimethyl phthalate	ND		4.7	0.34	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Di-n-butyl phthalate	0.89	J	4.7	0.29	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Di-n-octyl phthalate	ND		4.7	0.44	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Fluoranthene	ND		4.7	0.38	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Fluorene	ND		4.7	0.34	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Hexachlorobenzene	ND		4.7	0.48	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Hexachlorobutadiene	ND		4.7	0.64	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Hexachloroethane	ND		4.7	0.56	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Isophorone	ND		4.7	0.41	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Naphthalene	ND		4.7	0.72	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Nitrobenzene	ND		4.7	0.27	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Pentachlorophenol	ND		9.4	2.1	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Phenanthrene	ND		4.7	0.42	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Phenol	ND		4.7	0.37	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C
Pyrene	ND		4.7	0.32	ug/L	1.00	05/21/10 14:54	JLG	10E1617	8270C

2,4,6-Tribromophenol	104 %	Surr Limits: (52-132%)	05/21/10 14:54	JLG	10E1617	8270C
2-Fluorobiphenyl	75 %	Surr Limits: (48-120%)	05/21/10 14:54	JLG	10E1617	8270C
2-Fluorophenol	35 %	Surr Limits: (20-120%)	05/21/10 14:54	JLG	10E1617	8270C
Nitrobenzene-d5	57 %	Surr Limits: (46-120%)	05/21/10 14:54	JLG	10E1617	8270C
Phenol-d5	29 %	Surr Limits: (16-120%)	05/21/10 14:54	JLG	10E1617	8270C
p-Terphenyl-d14	50 %	Surr Limits: (24-136%)	05/21/10 14:54	JLG	10E1617	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	0.0200	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Arsenic	0.0174	0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Barium	0.838	0.0020	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Cadmium	ND	0.0010	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Chromium	0.0212	0.0040	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Copper	0.0494	0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Lead	0.0126	0.0050	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Nickel	0.0283	0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Selenium	ND	0.0150	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Silver	ND	0.0030	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Tin	ND	0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B
Zinc	0.0893	0.0100	NR	mg/L	1.00	05/21/10 21:15	DAN	10E1629	6010B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-02 (B-7 - Water) - cont.					Sampled: 05/19/10 17:40			Recvd: 05/20/10 09:00		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Mercury	ND	S6	0.0002	NR	mg/L	1.00	05/21/10 18:58	MXM	10E1708	7470A
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Barium	0.320		0.0020	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 13:45	DAN	10E1739	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/24/10 00:19	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:38	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-03 (B-10 - Water)						Sampled: 05/19/10 17:00		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Chloroform	7.3		1.0	0.34	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-03 (B-10 - Water) - cont.

Sampled: 05/19/10 17:00

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/21/10 21:57	CDC	10E1764	8260B

1,2-Dichloroethane-d4	95 %		Surr Limits: (66-137%)				05/21/10 21:57	CDC	10E1764	8260B
4-Bromofluorobenzene	98 %		Surr Limits: (73-120%)				05/21/10 21:57	CDC	10E1764	8260B
Toluene-d8	109 %		Surr Limits: (71-126%)				05/21/10 21:57	CDC	10E1764	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Chlorophenol	ND		4.8	0.50	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Methylnaphthalene	ND		4.8	0.57	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
3-Nitroaniline	ND		9.5	0.46	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Acetophenone	ND		4.8	0.51	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzaldehyde	ND		4.8	0.25	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		4.8	0.50	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-03 (B-10 - Water) - cont.

Sampled: 05/19/10 17:00

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

Bis(2-ethylhexyl) phthalate	4.8		4.8	1.7	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Chrysene	ND		4.8	0.31	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Dibenzofuran	ND		9.5	0.49	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Diethyl phthalate	1.4	J	4.8	0.21	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Di-n-butyl phthalate	ND		4.8	0.30	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Fluorene	ND		4.8	0.34	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Hexachloroethane	ND		4.8	0.56	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Isophorone	ND		4.8	0.41	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Naphthalene	ND		4.8	0.72	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C
Pyrene	ND		4.8	0.32	ug/L	1.00	05/21/10 15:17	JLG	10E1617	8270C

2,4,6-Tribromophenol	74 %	Surr Limits: (52-132%)	05/21/10 15:17	JLG	10E1617	8270C
2-Fluorobiphenyl	55 %	Surr Limits: (48-120%)	05/21/10 15:17	JLG	10E1617	8270C
2-Fluorophenol	25 %	Surr Limits: (20-120%)	05/21/10 15:17	JLG	10E1617	8270C
Nitrobenzene-d5	47 %	Surr Limits: (46-120%)	05/21/10 15:17	JLG	10E1617	8270C
Phenol-d5	19 %	Surr Limits: (16-120%)	05/21/10 15:17	JLG	10E1617	8270C
p-Terphenyl-d14	41 %	Surr Limits: (24-136%)	05/21/10 15:17	JLG	10E1617	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	0.0200	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Arsenic	ND	0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Barium	0.829	0.0020	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Cadmium	ND	0.0010	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Chromium	0.0178	0.0040	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Copper	0.0587	0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Lead	0.0117	0.0050	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Nickel	0.0276	0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Selenium	ND	0.0150	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Silver	ND	0.0030	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Tin	ND	0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B
Zinc	0.0571	0.0100	NR	mg/L	1.00	05/21/10 21:20	DAN	10E1629	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-03 (B-10 - Water) - cont.					Sampled: 05/19/10 17:00			Recvd: 05/20/10 09:00		
<u>Total Metals by SW 846 Series Methods - cont.</u>										
Mercury	ND	S6	0.0002	NR	mg/L	1.00	05/21/10 18:59	MXM	10E1708	7470A
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Barium	0.260		0.0020	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 13:50	DAN	10E1739	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/24/10 00:24	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:45	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-04 (B-9 - Water)						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Acetone	9.3		5.0	3.0	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chloroform	13		1.0	0.34	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-04 (B-9 - Water) - cont.

Sampled: 05/19/10 14:30

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/21/10 22:20	CDC	10E1764	8260B
1,2-Dichloroethane-d4	95 %		Surr Limits: (66-137%)				05/21/10 22:20	CDC	10E1764	8260B
4-Bromofluorobenzene	101 %		Surr Limits: (73-120%)				05/21/10 22:20	CDC	10E1764	8260B
Toluene-d8	113 %		Surr Limits: (71-126%)				05/21/10 22:20	CDC	10E1764	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	0.21		0.20	0.035	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
1,3,5-Trimethylbenzene	0.37		0.20	0.15	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
4-Isopropyltoluene	ND		0.40	0.030	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Benzene	0.16	J	0.20	0.023	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Ethylbenzene	0.17	J	0.20	0.029	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Methyl tert-Butyl Ether	ND		0.40	0.044	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
m-Xylene & p-Xylene	0.42		0.40	0.054	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Naphthalene	0.31	B	0.20	0.030	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
o-Xylene	0.33		0.20	0.027	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
tert-Butylbenzene	ND		0.40	0.028	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Toluene	0.24		0.20	0.036	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
Xylenes, total	0.75		0.40	0.054	ug/L	1.00	05/21/10 09:55	DGB	10E1690	8021B
4-Bromofluorobenzene	110 %		Surr Limits: (70-125%)				05/21/10 09:55	DGB	10E1690	8021B
a,a,a-Trifluorotoluene	120 %		Surr Limits: (77-130%)				05/21/10 09:55	DGB	10E1690	8021B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,4-Dinitrophenol	ND		9.6	2.1	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Chlorophenol	ND		4.8	0.51	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Methylnaphthalene	1.5	J	4.8	0.58	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Nitroaniline	ND		9.6	0.40	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
3-Nitroaniline	ND		9.6	0.46	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Chloroaniline	ND		4.8	0.57	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-04 (B-9 - Water) - cont.						Sampled: 05/19/10 14:30		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
4-Methylphenol	ND		9.6	0.35	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Nitroaniline	ND		9.6	0.24	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
4-Nitrophenol	ND		9.6	1.5	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Acenaphthylene	ND		4.8	0.37	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Acetophenone	52		4.8	0.52	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Aniline	ND		9.6	0.59	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzaldehyde	ND		4.8	0.26	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzo(a)anthracene	ND		4.8	0.35	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzo(ghi)perylene	ND		4.8	0.34	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Biphenyl	ND		4.8	0.63	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Bis(2-ethylhexyl)phthalate	77		4.8	1.7	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Chrysene	ND		4.8	0.32	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Dibenzofuran	ND		9.6	0.49	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Diethyl phthalate	1.6	J	4.8	0.21	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Dimethyl phthalate	ND		4.8	0.35	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Di-n-butyl phthalate	2.2	J	4.8	0.30	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Fluorene	ND		4.8	0.35	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Hexachloroethane	ND		4.8	0.57	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Isophorone	0.58	J	4.8	0.41	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Naphthalene	ND		4.8	0.73	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Pentachlorophenol	ND		9.6	2.1	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Phenol	ND		4.8	0.38	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C
Pyrene	ND		4.8	0.33	ug/L	1.00	05/21/10 15:40	JLG	10E1617	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-04 (B-9 - Water) - cont.

Sampled: 05/19/10 14:30

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS - cont.

2,4,6-Tribromophenol	60 %			Surr Limits: (52-132%)			05/21/10 15:40	JLG	10E1617	8270C
2-Fluorobiphenyl	37 %	Z		Surr Limits: (48-120%)			05/21/10 15:40	JLG	10E1617	8270C
2-Fluorophenol	33 %			Surr Limits: (20-120%)			05/21/10 15:40	JLG	10E1617	8270C
Nitrobenzene-d5	48 %			Surr Limits: (46-120%)			05/21/10 15:40	JLG	10E1617	8270C
Phenol-d5	27 %			Surr Limits: (16-120%)			05/21/10 15:40	JLG	10E1617	8270C
p-Terphenyl-d14	11 %	Z		Surr Limits: (24-136%)			05/21/10 15:40	JLG	10E1617	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Barium	0.625		0.0020	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Cadmium	0.0010		0.0010	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Chromium	0.0105		0.0040	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Nickel	0.0535		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Zinc	0.0313		0.0100	NR	mg/L	1.00	05/21/10 21:25	DAN	10E1629	6010B
Mercury	ND	S6	0.0002	NR	mg/L	1.00	05/21/10 19:01	MXM	10E1708	7470A

Dissolved Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Barium	0.0926		0.0020	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 14:09	DAN	10E1739	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	05/24/10 00:29	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:46	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1046-05 (B-8 - Water)						Sampled: 05/19/10 15:15		Recvd: 05/20/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Acetone	4.8	J	5.0	3.0	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chloroform	31		1.0	0.34	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1046-05 (B-8 - Water) - cont.

Sampled: 05/19/10 15:15

Recvd: 05/20/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/21/10 22:43	CDC	10E1764	8260B
1,2-Dichloroethane-d4	95 %		Surr Limits: (66-137%)				05/21/10 22:43	CDC	10E1764	8260B
4-Bromofluorobenzene	101 %		Surr Limits: (73-120%)				05/21/10 22:43	CDC	10E1764	8260B
Toluene-d8	109 %		Surr Limits: (71-126%)				05/21/10 22:43	CDC	10E1764	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	0.81		0.20	0.035	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
1,3,5-Trimethylbenzene	0.34		0.20	0.15	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
4-Isopropyltoluene	ND		0.40	0.030	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Benzene	0.17	J	0.20	0.023	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Ethylbenzene	0.15	J	0.20	0.029	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Methyl tert-Butyl Ether	ND		0.40	0.044	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
m-Xylene & p-Xylene	0.75		0.40	0.054	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Naphthalene	0.42	B	0.20	0.030	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
o-Xylene	0.44		0.20	0.027	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
tert-Butylbenzene	ND		0.40	0.028	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Toluene	0.20		0.20	0.036	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
Xylenes, total	1.2		0.40	0.054	ug/L	1.00	05/21/10 10:26	DGB	10E1690	8021B
4-Bromofluorobenzene	111 %		Surr Limits: (70-125%)				05/21/10 10:26	DGB	10E1690	8021B
a,a,a-Trifluorotoluene	127 %		Surr Limits: (77-130%)				05/21/10 10:26	DGB	10E1690	8021B

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Arsenic	0.0142		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Barium	1.23		0.0020	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Cadmium	0.0017		0.0010	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Chromium	0.0293		0.0040	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Copper	0.145		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Lead	0.0264		0.0050	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Nickel	0.0586		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Zinc	0.220		0.0100	NR	mg/L	1.00	05/21/10 21:30	DAN	10E1629	6010B
Mercury	0.0008	S6	0.0002	NR	mg/L	1.00	05/21/10 19:03	MXM	10E1708	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Received: 05/20/10
Reported: 05/25/10 15:36

Project: New York State Project
Project Number: MACTEC-0006

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10E1643	RTE1044-01	10.00	g	10.00	g	05/20/10 15:11	KMB	Dry Weight
Dry Weight	10E1643	RTE1044-02	10.00	g	10.00	g	05/20/10 15:11	KMB	Dry Weight
Dry Weight	10E1643	RTE1044-03	10.00	g	10.00	g	05/20/10 15:11	KMB	Dry Weight
Dry Weight	10E1643	RTE1044-04	10.00	g	10.00	g	05/20/10 15:11	KMB	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10E1884	RTE1044-02RE	30.35	g	1.00	mL	05/24/10 12:35	EKD	3550B MB
8270C	10E1884	RTE1044-01RE	30.42	g	1.00	mL	05/24/10 12:35	EKD	3550B MB
8270C	10E1884	RTE1044-03RE	30.43	g	1.00	mL	05/24/10 12:35	EKD	3550B MB
8270C	10E1884	RTE1044-04RE	30.59	g	1.00	mL	05/24/10 12:35	EKD	3550B MB
8270C	10E1619	RTE1044-03	30.11	g	1.00	mL	05/20/10 13:14	KMB	3550B MB
8270C	10E1619	RTE1044-01	30.18	g	1.00	mL	05/20/10 13:14	KMB	3550B MB
8270C	10E1619	RTE1044-02	30.18	g	1.00	mL	05/20/10 13:14	KMB	3550B MB
8270C	10E1619	RTE1044-04	30.20	g	1.00	mL	05/20/10 13:14	KMB	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10E1634	RTE1044-01	0.47	g	50.00	mL	05/21/10 09:15	KCW	3050B
6010B	10E1634	RTE1044-03	0.47	g	50.00	mL	05/21/10 09:15	KCW	3050B
6010B	10E1634	RTE1044-04	0.53	g	50.00	mL	05/21/10 09:15	KCW	3050B
6010B	10E1634	RTE1044-02	0.54	g	50.00	mL	05/21/10 09:15	KCW	3050B
7471A	10E1471	RTE1044-01	0.58	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE1044-03	0.61	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE1044-02	0.61	g	50.00	mL	05/20/10 14:15	MXM	7471A_
7471A	10E1471	RTE1044-04	0.62	g	50.00	mL	05/20/10 14:15	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10E1792	RTE1044-01	5.79	g	5.00	mL	05/22/10 11:41	NMD	5035A MS
8260B	10E1706	RTE1044-02	4.23	g	5.00	mL	05/21/10 10:56	PJQ	5030B MS
8260B	10E1706	RTE1044-04	6.27	g	5.00	mL	05/21/10 10:56	PJQ	5030B MS
8260B	10E1706	RTE1044-03	6.28	g	5.00	mL	05/21/10 10:56	PJQ	5030B MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Dissolved Metals by SW 846 Series Methods									
6010B	10E1739	RTE1046-01	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
6010B	10E1739	RTE1046-02	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
6010B	10E1739	RTE1046-03	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
6010B	10E1739	RTE1046-04	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
7470A	10E1852	RTE1046-01	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
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Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/25/10 15:36

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
7470A	10E1852	RTE1046-02	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
7470A	10E1852	RTE1046-03	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
7470A	10E1852	RTE1046-04	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
Semivolatile Organics by GC/MS									
8270C	10E1617	RTE1046-01	1,000.00	mL	1.00	mL	05/20/10 13:00	LTT	3510C MB
8270C	10E1617	RTE1046-04	1,040.00	mL	1.00	mL	05/20/10 13:00	LTT	3510C MB
8270C	10E1617	RTE1046-03	1,050.00	mL	1.00	mL	05/20/10 13:00	LTT	3510C MB
8270C	10E1617	RTE1046-02	1,060.00	mL	1.00	mL	05/20/10 13:00	LTT	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10E1629	RTE1046-01	50.00	mL	50.00	mL	05/21/10 08:05	KCW	3005A
6010B	10E1629	RTE1046-02	50.00	mL	50.00	mL	05/21/10 08:05	KCW	3005A
6010B	10E1629	RTE1046-03	50.00	mL	50.00	mL	05/21/10 08:05	KCW	3005A
6010B	10E1629	RTE1046-04	50.00	mL	50.00	mL	05/21/10 08:05	KCW	3005A
6010B	10E1629	RTE1046-05	50.00	mL	50.00	mL	05/21/10 08:05	KCW	3005A
7470A	10E1708	RTE1046-01	30.00	mL	50.00	mL	05/21/10 13:50	MXM	7470A
7470A	10E1708	RTE1046-02	30.00	mL	50.00	mL	05/21/10 13:50	MXM	7470A
7470A	10E1708	RTE1046-03	30.00	mL	50.00	mL	05/21/10 13:50	MXM	7470A
7470A	10E1708	RTE1046-04	30.00	mL	50.00	mL	05/21/10 13:50	MXM	7470A
7470A	10E1708	RTE1046-05	30.00	mL	50.00	mL	05/21/10 13:50	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10E1764	RTE1046-01	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
8260B	10E1764	RTE1046-02	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
8260B	10E1764	RTE1046-03	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
8260B	10E1764	RTE1046-04	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
8260B	10E1764	RTE1046-05	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10E1690	RTE1046-04	1.00	mL	1.00	mL	05/21/10 06:51	DGB	5030B GC
8021B	10E1690	RTE1046-05	1.00	mL	1.00	mL	05/21/10 06:51	DGB	5030B GC

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1706-BLK1, Batch: 10E1706)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1706-BLK1, Batch: 10E1706)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	17					B,N1
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	90	64-126			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	115	72-126			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>						<i>ug/kg wet</i>	118	71-125			
LCS Analyzed: 05/21/10 (Lab Number:10E1706-BS1, Batch: 10E1706)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	43.8	88	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	51.3	103	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	49.9	100	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	35.7	71	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	43.8	88	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	40.5	81	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	50.1	100	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	42.2	84	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	51.4	103	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	49.0	98	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	40.4	81	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	46.3	93	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	49.3	99	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	48.9	98	82-113			
2-Butanone		250	25	1.8	ug/kg wet	238	95	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	249	100	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	247	99	74-128			
Acetone		250	25	4.2	ug/kg wet	211	84	61-137			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1706-BS1, Batch: 10E1706)											
Benzene		50.0	5.0	0.24	ug/kg wet	46.7	93	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	39.8	80	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	39.0	78	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	31.8	64	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	34.0	68	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	37.1	74	75-128			L2,N1
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.6	97	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	41.1	82	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	35.7	71	69-136			
Chloroform		50.0	5.0	0.31	ug/kg wet	44.1	88	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	41.8	84	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	46.8	94	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	43.3	87	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	52.4	105	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	38.4	77	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.2	96	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	48.1	96	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	47.1	94	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	43.7	87	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	44.2	88	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	63.4	127	61-127			B
Styrene		50.0	5.0	0.25	ug/kg wet	49.6	99	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	49.0	98	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	50.9	102	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	46.4	93	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	42.4	85	80-119			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.3	93	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	36.5	73	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	39.9	80	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	145	97	82-120			
Surrogate:					ug/kg wet		90	64-126			
1,2-Dichloroethane-d4					ug/kg wet		113	72-126			
Surrogate:					ug/kg wet						
4-Bromofluorobenzene					ug/kg wet		110	71-125			
Surrogate: Toluene-d8					ug/kg wet						

Volatile Organic Compounds by EPA 8260B

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1764-BLK1, Batch: 10E1764)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichlorotrifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane (EDB)			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone (MEK)			5.0	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone (MIBK)			5.0	2.1	ug/L	ND					
Acetone			5.0	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Chlorodibromomethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 05/21/10 (Lab Number:10E1764-BLK1, Batch: 10E1764)

Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					

Surrogate:					ug/L		90	66-137			
1,2-Dichloroethane-d4											
Surrogate:					ug/L		99	73-120			
4-Bromofluorobenzene											
Surrogate: Toluene-d8					ug/L		109	71-126			

LCS Analyzed: 05/21/10 (Lab Number:10E1764-BS1, Batch: 10E1764)

1,1,1-Trichloroethane	25.0	1.0	0.82	ug/L	26.6	106	73-126				
1,1,2,2-Tetrachloroethane	25.0	1.0	0.21	ug/L	27.5	110	70-126				
1,1,2-Trichloroethane	25.0	1.0	0.23	ug/L	26.4	106	76-122				
1,1,2-Trichlorotrifluoroethane	25.0	1.0	0.31	ug/L	27.2	109	60-140				
1,1-Dichloroethane	25.0	1.0	0.38	ug/L	26.2	105	71-129				
1,1-Dichloroethene	25.0	1.0	0.29	ug/L	27.2	109	65-138				
1,2,4-Trichlorobenzene	25.0	1.0	0.41	ug/L	29.2	117	70-122				
1,2-Dibromo-3-chloropropane	25.0	1.0	0.39	ug/L	24.3	97	56-134				
1,2-Dibromoethane (EDB)	25.0	1.0	0.73	ug/L	26.3	105	77-120				
1,2-Dichlorobenzene	25.0	1.0	0.79	ug/L	27.0	108	77-120				
1,2-Dichloroethane	25.0	1.0	0.21	ug/L	25.3	101	75-127				
1,2-Dichloropropane	25.0	1.0	0.72	ug/L	26.5	106	76-120				
1,3-Dichlorobenzene	25.0	1.0	0.78	ug/L	26.7	107	77-120				
1,4-Dichlorobenzene	25.0	1.0	0.84	ug/L	26.1	105	75-120				
2-Butanone (MEK)	125	5.0	1.3	ug/L	138	110	57-140				
2-Hexanone	125	5.0	1.2	ug/L	142	113	65-127				

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1764-BS1, Batch: 10E1764)											
4-Methyl-2-pentanone (MIBK)		125	5.0	2.1	ug/L	139	111	71-125			
Acetone		125	5.0	3.0	ug/L	129	103	56-142			
Benzene		25.0	1.0	0.41	ug/L	26.3	105	71-124			
Bromodichloromethane		25.0	1.0	0.39	ug/L	25.9	104	80-122			
Bromoform		25.0	1.0	0.26	ug/L	25.2	101	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	26.7	107	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	26.4	106	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	26.5	106	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	26.1	104	72-120			
Chlorodibromomethane		25.0	1.0	0.32	ug/L	27.4	110	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	27.6	110	69-136			
Chloroform		25.0	1.0	0.34	ug/L	25.6	102	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	26.6	106	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	26.4	106	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	26.2	105	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	28.5	114	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	27.5	110	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	27.2	109	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	29.3	117	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	26.2	105	60-140			
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	26.3	105	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	28.9	115	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	27.0	108	57-132			
Styrene		25.0	1.0	0.73	ug/L	26.8	107	70-130			
Tetrachloroethene		25.0	1.0	0.36	ug/L	27.3	109	74-122			
Toluene		25.0	1.0	0.51	ug/L	26.6	106	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	26.1	104	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	26.5	106	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	26.8	107	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	26.6	106	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	28.1	112	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	84.2	112	76-122			
Surrogate:					ug/L		93	66-137			
1,2-Dichloroethane-d4											
Surrogate:					ug/L		105	73-120			
4-Bromofluorobenzene											
Surrogate: Toluene-d8					ug/L		105	71-126			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/22/10 (Lab Number:10E1792-BLK1, Batch: 10E1792)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	4.2					J
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/22/10 (Lab Number:10E1792-BLK1, Batch: 10E1792)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	10					N1
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	2.0					J
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	72	64-126			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	109	72-126			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>						<i>ug/kg wet</i>	111	71-125			
LCS Analyzed: 05/22/10 (Lab Number:10E1792-BS1, Batch: 10E1792)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	41.6	83	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	49.8	100	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	47.6	95	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	39.4	79	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	42.0	84	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	36.4	73	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	48.0	96	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	36.3	73	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	48.4	97	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	49.1	98	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	36.2	72	77-122			N1,L2
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	44.2	88	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	50.3	101	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	49.8	100	82-113			
2-Butanone		250	25	1.8	ug/kg wet	228	91	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	242	97	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	239	96	74-128			
Acetone		250	25	4.2	ug/kg wet	197	79	61-137			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/22/10 (Lab Number:10E1792-BS1, Batch: 10E1792)											
Benzene		50.0	5.0	0.24	ug/kg wet	45.7	91	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	35.2	70	80-122			N1,L2
Bromoform		50.0	5.0	2.5	ug/kg wet	31.9	64	68-126			N1,L2
Bromomethane		50.0	5.0	0.45	ug/kg wet	35.5	71	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	36.6	73	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	34.6	69	75-128			N1,L2
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	49.4	99	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	35.8	72	76-125			N1,L2
Chloroethane		50.0	5.0	1.1	ug/kg wet	34.9	70	69-136			
Chloroform		50.0	5.0	0.31	ug/kg wet	41.9	84	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	40.2	80	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	44.8	90	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	39.3	79	82-120			N1,L2
Cyclohexane		50.0	5.0	0.70	ug/kg wet	54.6	109	70-130			B
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	37.3	75	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.9	98	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	50.5	101	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	46.1	92	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.2	84	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	49.0	98	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	58.3	117	61-127			B
Styrene		50.0	5.0	0.25	ug/kg wet	49.4	99	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	51.0	102	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	51.6	103	74-128			B
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	45.5	91	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	39.3	79	80-119			N1,L2
Trichloroethene		50.0	5.0	1.1	ug/kg wet	45.4	91	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	37.2	74	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	39.4	79	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	147	98	82-120			
<i>Surrogate:</i>					<i>ug/kg wet</i>		83	64-126			
<i>1,2-Dichloroethane-d4</i>					<i>ug/kg wet</i>		111	72-126			
<i>Surrogate:</i>					<i>ug/kg wet</i>						
<i>4-Bromofluorobenzene</i>					<i>ug/kg wet</i>		112	71-125			
<i>Surrogate: Toluene-d8</i>					<i>ug/kg wet</i>						

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA Method 8021B</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1690-BLK1, Batch: 10E1690)											
1,2,4-Trimethylbenzene			0.20	0.035	ug/L	ND					
1,3,5-Trimethylbenzene			0.20	0.15	ug/L	ND					
4-Isopropyltoluene			0.40	0.030	ug/L	ND					
Benzene			0.20	0.023	ug/L	ND					
Ethylbenzene			0.20	0.029	ug/L	ND					
Isopropylbenzene			0.20	0.027	ug/L	ND					
Methyl tert-Butyl Ether			0.40	0.044	ug/L	ND					
m-Xylene & p-Xylene			0.40	0.054	ug/L	ND					
Naphthalene			0.20	0.030	ug/L	0.17					J
n-Butylbenzene			0.40	0.031	ug/L	ND					
n-Propylbenzene			0.20	0.13	ug/L	ND					
o-Xylene			0.20	0.027	ug/L	ND					
sec-Butylbenzene			0.40	0.020	ug/L	ND					
tert-Butylbenzene			0.40	0.028	ug/L	ND					
Toluene			0.20	0.036	ug/L	ND					
Xylenes, total			0.40	0.054	ug/L	ND					
<i>Surrogate:</i>					ug/L		108	70-125			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate:</i>					ug/L		114	77-130			
<i>a,a,a-Trifluorotoluene</i>											
LCS Analyzed: 05/21/10 (Lab Number:10E1690-BS1, Batch: 10E1690)											
1,2,4-Trimethylbenzene		4.00	0.20	0.035	ug/L	4.47	112	77-117			
1,3,5-Trimethylbenzene		4.00	0.20	0.15	ug/L	4.69	117	75-123			
4-Isopropyltoluene		4.00	0.40	0.030	ug/L	4.42	111	78-119			
Benzene		4.00	0.20	0.023	ug/L	4.52	113	77-119			
Ethylbenzene		4.00	0.20	0.029	ug/L	4.59	115	79-120			
Isopropylbenzene		4.00	0.20	0.027	ug/L	4.49	112	83-125			
Methyl tert-Butyl Ether		4.00	0.40	0.044	ug/L	4.38	110	72-135			
m-Xylene & p-Xylene		8.00	0.40	0.054	ug/L	9.55	119	26-150			
Naphthalene		4.00	0.20	0.030	ug/L	4.55	114	62-115			B
n-Butylbenzene		4.00	0.40	0.031	ug/L	4.35	109	72-118			
n-Propylbenzene		4.00	0.20	0.13	ug/L	4.61	115	75-133			
o-Xylene		4.00	0.20	0.027	ug/L	4.56	114	77-121			
sec-Butylbenzene		4.00	0.40	0.020	ug/L	4.35	109	74-119			
tert-Butylbenzene		4.00	0.40	0.028	ug/L	4.32	108	73-115			
Toluene		4.00	0.20	0.036	ug/L	4.46	112	78-117			
Xylenes, total		12.0	0.40	0.054	ug/L	14.1	118	77-122			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Volatile Organic Compounds by EPA Method 8021B

LCS Analyzed: 05/21/10 (Lab Number:10E1690-BS1, Batch: 10E1690)

Surrogate:					ug/L		110	70-125			
4-Bromofluorobenzene											
Surrogate:					ug/L		117	77-130			
a,a,a-Trifluorotoluene											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1617-BLK1, Batch: 10E1617)											
2,4,5-Trichlorophenol			5.0	0.48	ug/L	ND					
2,4,6-Trichlorophenol			5.0	0.61	ug/L	ND					
2,4-Dichlorophenol			5.0	0.51	ug/L	ND					
2,4-Dimethylphenol			5.0	0.50	ug/L	ND					
2,4-Dinitrophenol			10	2.2	ug/L	ND					
2,4-Dinitrotoluene			5.0	0.45	ug/L	ND					
2,6-Dinitrotoluene			5.0	0.40	ug/L	ND					
2-Chloronaphthalene			5.0	0.46	ug/L	ND					
2-Chlorophenol			5.0	0.53	ug/L	ND					
2-Methylnaphthalene			5.0	0.60	ug/L	ND					
2-Methylphenol			5.0	0.40	ug/L	ND					
2-Nitroaniline			10	0.42	ug/L	ND					
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1617-BLK1, Batch: 10E1617)											
Bis(2-chloroethoxy)methane			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl)phthalate			5.0	1.8	ug/L	ND					
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	ND					
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					
Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadiene			5.0	0.59	ug/L	ND					
Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					
Surrogate:					ug/L		92	52-132			
2,4,6-Tribromophenol					ug/L		86	48-120			
Surrogate:					ug/L		51	20-120			
2-Fluorobiphenyl					ug/L						
Surrogate:					ug/L						
2-Fluorophenol					ug/L						

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1617-BLK1, Batch: 10E1617)											
Surrogate:					ug/L	79		46-120			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/L	36		16-120			
Surrogate:					ug/L	82		24-136			
p-Terphenyl-d14											
LCS Analyzed: 05/21/10 (Lab Number:10E1617-BS1, Batch: 10E1617)											
2,4,5-Trichlorophenol		100	50	0.48	ug/L	99.5	100	65-126			
2,4,6-Trichlorophenol		100	10	0.61	ug/L	93.7	94	64-120			
2,4-Dichlorophenol		100	10	0.51	ug/L	91.0	91	64-120			
2,4-Dimethylphenol		100	10	0.50	ug/L	82.9	83	57-120			
2,4-Dinitrophenol		100	50	2.2	ug/L	99.0	99	42-153			
2,4-Dinitrotoluene		100	10	0.45	ug/L	103	103	59-125			
2,6-Dinitrotoluene		100	10	0.40	ug/L	106	106	74-134			
2-Chloronaphthalene		100	10	0.46	ug/L	81.8	82	52-120			
2-Chlorophenol		100	10	0.53	ug/L	82.4	82	48-120			
2-Methylnaphthalene		100	10	0.60	ug/L	82.3	82	48-120			
2-Methylphenol		100	10	0.40	ug/L	80.9	81	39-120			
2-Nitroaniline		100	50	0.42	ug/L	97.1	97	67-136			
2-Nitrophenol		100	10	0.48	ug/L	89.7	90	59-120			
3,3'-Dichlorobenzidine		100	20	0.40	ug/L	135	135	33-140			
3-Nitroaniline		100	50	0.48	ug/L	112	112	69-129			
4,6-Dinitro-2-methylphenol		100	50	2.2	ug/L	113	113	64-159			
4-Bromophenyl phenyl ether		100	10	0.45	ug/L	92.5	92	71-126			
4-Chloro-3-methylphenol		100	10	0.45	ug/L	97.0	97	64-120			
4-Chloroaniline		100	10	0.59	ug/L	105	105	60-124			
4-Chlorophenyl phenyl ether		100	10	0.35	ug/L	86.6	87	71-122			
4-Methylphenol		100	10	0.36	ug/L	80.0	80	36-120			
4-Nitroaniline		100	50	0.25	ug/L	111	111	64-135			
4-Nitrophenol		100	50	1.5	ug/L	44.5	44	16-120			J
Acenaphthene		100	10	0.41	ug/L	86.6	87	60-120			
Acenaphthylene		100	10	0.38	ug/L	87.3	87	63-120			
Acetophenone		100	5.0	0.54	ug/L	81.1	81	45-120			
Aniline		100	10	0.61	ug/L	87.4	87	37-120			
Anthracene		100	10	0.28	ug/L	91.8	92	69-131			
Atrazine		100	5.0	0.46	ug/L	99.6	100	70-129			
Benzaldehyde		100	5.0	0.27	ug/L	83.4	83	30-140			
Benzo(a)anthracene		100	10	0.36	ug/L	94.7	95	73-138			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1617-BS1, Batch: 10E1617)											
Benzo(a)pyrene		100	10	0.47	ug/L	100	100	74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	91.4	91	75-133			
Benzo(ghi)perylene		100	10	0.35	ug/L	97.4	97	66-152			
Benzo(k)fluoranthene		100	10	0.73	ug/L	91.2	91	75-133			
Biphenyl		100	5.0	0.65	ug/L	74.9	75	30-140			
Bis(2-chloroethoxy)methane		100	10	0.35	ug/L	80.0	80	62-120			
Bis(2-chloroethyl)ether		100	10	0.40	ug/L	76.6	77	51-120			
2,2'-Oxybis(1-Chloropropane)		100	10	0.52	ug/L	78.9	79	47-120			
Bis(2-ethylhexyl)phthalate		100	10	1.8	ug/L	94.1	94	69-136			
Butyl benzyl phthalate		100	10	0.42	ug/L	104	104	62-149			
Caprolactam		100	5.0	2.2	ug/L	48.5	48	30-140			
Carbazole		100	5.0	0.30	ug/L	93.9	94	68-133			
Chrysene		100	10	0.33	ug/L	97.8	98	69-140			
Dibenzo(a,h)anthracene		100	10	0.42	ug/L	91.8	92	67-144			
Dibenzofuran		100	10	0.51	ug/L	87.3	87	66-120			
Diethyl phthalate		100	10	0.22	ug/L	94.0	94	78-128			
Dimethyl phthalate		100	10	0.36	ug/L	92.5	92	73-127			
Di-n-butyl phthalate		100	10	0.31	ug/L	92.8	93	67-132			
Di-n-octyl phthalate		100	10	0.47	ug/L	105	105	72-145			
Fluoranthene		100	10	0.40	ug/L	91.3	91	67-133			
Fluorene		100	10	0.36	ug/L	88.3	88	66-129			
Hexachlorobenzene		100	10	0.51	ug/L	92.7	93	38-131			
Hexachlorobutadiene		100	10	0.68	ug/L	67.2	67	30-120			
Hexachlorocyclopentadiene		100	10	0.59	ug/L	66.3	66	23-120			
Hexachloroethane		100	10	0.59	ug/L	66.2	66	25-120			
Indeno(1,2,3-cd)pyrene		100	10	0.47	ug/L	93.5	93	69-146			
Isophorone		100	10	0.43	ug/L	82.1	82	64-120			
Naphthalene		100	10	0.76	ug/L	75.9	76	48-120			
Nitrobenzene		100	10	0.29	ug/L	80.0	80	52-120			
N-Nitrosodi-n-propylamine		100	10	0.54	ug/L	79.2	79	56-120			
N-Nitrosodiphenylamine		100	10	0.51	ug/L	107	107	25-125			
Pentachlorophenol		100	50	2.2	ug/L	116	116	39-136			
Phenanthrene		100	10	0.44	ug/L	90.0	90	67-130			
Phenol		100	10	0.39	ug/L	45.7	46	17-120			
Pyrene		100	10	0.34	ug/L	95.7	96	58-136			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

LCS Analyzed: 05/21/10 (Lab Number:10E1617-BS1, Batch: 10E1617)

Surrogate:					ug/L		94	52-132			
2,4,6-Tribromophenol											
Surrogate:					ug/L		81	48-120			
2-Fluorobiphenyl											
Surrogate:					ug/L		49	20-120			
2-Fluorophenol											
Surrogate:					ug/L		75	46-120			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/L		37	16-120			
Surrogate:					ug/L		87	24-136			
p-Terphenyl-d14											

Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1617-MS1, Batch: 10E1617)

QC Source Sample: RTE1046-01

2,4,5-Trichlorophenol	ND	189	50	0.91	ug/L	196	104	65-126			
2,4,6-Trichlorophenol	ND	189	10	1.2	ug/L	181	96	64-120			
2,4-Dichlorophenol	ND	189	10	0.96	ug/L	145	77	64-120			
2,4-Dimethylphenol	ND	189	10	0.94	ug/L	135	72	57-120			
2,4-Dinitrophenol	ND	189	50	4.2	ug/L	227	120	42-153			
2,4-Dinitrotoluene	ND	189	10	0.84	ug/L	204	108	59-125			
2,6-Dinitrotoluene	ND	189	10	0.75	ug/L	196	104	74-134			
2-Chloronaphthalene	ND	189	10	0.87	ug/L	136	72	52-120			
2-Chlorophenol	ND	189	10	1.0	ug/L	98.5	52	48-120			
2-Methylnaphthalene	1.09	189	10	1.1	ug/L	128	67	48-120			
2-Methylphenol	ND	189	10	0.75	ug/L	118	62	39-120			
2-Nitroaniline	ND	189	50	0.79	ug/L	189	100	67-136			
2-Nitrophenol	ND	189	10	0.91	ug/L	115	61	59-120			
3,3'-Dichlorobenzidine	ND	189	20	0.75	ug/L	146	77	33-140			
3-Nitroaniline	ND	189	50	0.91	ug/L	173	92	69-129			
4,6-Dinitro-2-methylphenol	ND	189	50	4.2	ug/L	237	126	64-159			
4-Bromophenyl phenyl ether	ND	189	10	0.85	ug/L	180	96	71-126			
4-Chloro-3-methylphenol	ND	189	10	0.85	ug/L	184	97	64-120			
4-Chloroaniline	ND	189	10	1.1	ug/L	146	77	60-124			
4-Chlorophenyl phenyl ether	ND	189	10	0.66	ug/L	164	87	71-122			
4-Methylphenol	ND	189	19	0.68	ug/L	130	69	36-120			
4-Nitroaniline	ND	189	50	0.47	ug/L	157	83	64-135			
4-Nitrophenol	ND	189	50	2.9	ug/L	133	70	16-120			
Acenaphthene	ND	189	10	0.77	ug/L	155	82	60-120			
Acenaphthylene	ND	189	10	0.72	ug/L	154	81	63-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1617-MS1, Batch: 10E1617)											
QC Source Sample: RTE1046-01											
Acetophenone	2.07	189	9.4	1.0	ug/L	104	54	45-120			
Aniline	ND	189	19	1.2	ug/L	103	54	37-120			
Anthracene	ND	189	10	0.53	ug/L	182	97	69-131			
Atrazine	ND	189	9.4	0.87	ug/L	202	107	70-129			
Benzaldehyde	ND	189	9.4	0.50	ug/L	97.3	52	30-140			
Benzo(a)anthracene	ND	189	10	0.68	ug/L	186	99	73-138			
Benzo(a)pyrene	ND	189	10	0.89	ug/L	193	102	74-126			
Benzo(b)fluoranthene	ND	189	9.4	0.64	ug/L	177	94	75-133			
Benzo(ghi)perylene	ND	189	10	0.66	ug/L	197	105	66-152			
Benzo(k)fluoranthene	ND	189	10	1.4	ug/L	174	92	75-133			
Biphenyl	ND	189	9.4	1.2	ug/L	126	67	30-140			
Bis(2-chloroethoxy)methane	ND	189	10	0.66	ug/L	102	54	62-120			M12
Bis(2-chloroethyl)ether	ND	189	10	0.75	ug/L	86.1	46	51-120			M12
2,2'-Oxybis(1-Chloropropane)	ND	189	10	0.98	ug/L	89.5	47	47-120			
Bis(2-ethylhexyl)phthalate	3.68	189	10	3.4	ug/L	183	95	69-136			
Butyl benzyl phthalate	ND	189	10	0.79	ug/L	207	109	62-149			
Caprolactam	ND	189	9.4	4.2	ug/L	139	74	30-140			
Carbazole	ND	189	9.4	0.57	ug/L	192	102	68-133			
Chrysene	ND	189	10	0.62	ug/L	190	101	69-140			
Dibenzo(a,h)anthracene	ND	189	10	0.79	ug/L	182	96	67-144			
Dibenzofuran	ND	189	19	0.96	ug/L	160	85	66-120			
Diethyl phthalate	3.53	189	10	0.42	ug/L	182	95	78-128			
Dimethyl phthalate	ND	189	10	0.68	ug/L	174	92	73-127			
Di-n-butyl phthalate	1.45	189	10	0.58	ug/L	188	99	67-132			
Di-n-octyl phthalate	ND	189	10	0.89	ug/L	206	109	72-145			
Fluoranthene	ND	189	10	0.75	ug/L	182	96	67-133			
Fluorene	ND	189	10	0.68	ug/L	170	90	66-129			
Hexachlorobenzene	ND	189	10	0.96	ug/L	176	93	38-131			
Hexachlorobutadiene	ND	189	10	1.3	ug/L	84.2	45	30-120			
Hexachlorocyclopentadiene	ND	189	10	1.1	ug/L	93.8	50	23-120			
Hexachloroethane	ND	189	10	1.1	ug/L	70.6	37	25-120			
Indeno(1,2,3-cd)pyrene	ND	189	10	0.89	ug/L	184	98	69-146			
Isophorone	ND	189	10	0.81	ug/L	117	62	64-120			M12
Naphthalene	ND	189	10	1.4	ug/L	105	55	48-120			
Nitrobenzene	ND	189	10	0.55	ug/L	99.7	53	52-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatile Organics by GC/MS

Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1617-MS1, Batch: 10E1617)

QC Source Sample: RTE1046-01

N-Nitrosodi-n-propylamine	ND	189	10	1.0	ug/L	115	61	56-120			
N-Nitrosodiphenylamine	ND	189	10	0.96	ug/L	212	112	25-125			
Pentachlorophenol	ND	189	50	4.2	ug/L	250	132	39-136			
Phenanthrene	ND	189	10	0.83	ug/L	178	94	67-130			
Phenol	ND	189	10	0.74	ug/L	73.5	39	17-120			
Pyrene	ND	189	10	0.64	ug/L	197	104	58-136			

Surrogate:					ug/L		103	52-132			
2,4,6-Tribromophenol					ug/L		66	48-120			
Surrogate:					ug/L		32	20-120			
2-Fluorobiphenyl					ug/L		49	46-120			
Surrogate:					ug/L		33	16-120			
2-Fluorophenol					ug/L		78	24-136			
Surrogate:					ug/L						
Nitrobenzene-d5					ug/L						
Surrogate: Phenol-d5					ug/L						
Surrogate:					ug/L						
p-Terphenyl-d14					ug/L						

Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1617-MSD1, Batch: 10E1617)

QC Source Sample: RTE1046-01

2,4,5-Trichlorophenol	ND	189	50	0.91	ug/L	200	106	65-126	2	18	
2,4,6-Trichlorophenol	ND	189	10	1.2	ug/L	196	104	64-120	8	19	
2,4-Dichlorophenol	ND	189	10	0.96	ug/L	171	91	64-120	17	19	
2,4-Dimethylphenol	ND	189	10	0.94	ug/L	157	83	57-120	15	42	
2,4-Dinitrophenol	ND	189	50	4.2	ug/L	250	133	42-153	10	22	
2,4-Dinitrotoluene	ND	189	10	0.84	ug/L	205	109	59-125	0.4	20	
2,6-Dinitrotoluene	ND	189	10	0.75	ug/L	210	111	74-134	6	15	
2-Chloronaphthalene	ND	189	10	0.87	ug/L	150	80	52-120	10	21	
2-Chlorophenol	ND	189	10	1.0	ug/L	140	74	48-120	35	25	R2
2-Methylnaphthalene	1.09	189	10	1.1	ug/L	152	80	48-120	17	21	
2-Methylphenol	ND	189	10	0.75	ug/L	151	80	39-120	25	27	
2-Nitroaniline	ND	189	50	0.79	ug/L	199	105	67-136	5	15	
2-Nitrophenol	ND	189	10	0.91	ug/L	162	86	59-120	34	18	R2
3,3'-Dichlorobenzidine	ND	189	20	0.75	ug/L	126	67	33-140	15	25	
3-Nitroaniline	ND	189	50	0.91	ug/L	173	92	69-129	0.3	19	
4,6-Dinitro-2-methylphenol	ND	189	50	4.2	ug/L	241	127	64-159	1	15	
4-Bromophenyl phenyl ether	ND	189	10	0.85	ug/L	163	86	71-126	10	15	
4-Chloro-3-methylphenol	ND	189	10	0.85	ug/L	192	102	64-120	5	27	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1617-MSD1, Batch: 10E1617)											
QC Source Sample: RTE1046-01											
4-Chloroaniline	ND	189	10	1.1	ug/L	166	88	60-124	13	22	
4-Chlorophenyl phenyl ether	ND	189	10	0.66	ug/L	151	80	71-122	8	16	
4-Methylphenol	ND	189	19	0.68	ug/L	156	83	36-120	18	24	
4-Nitroaniline	ND	189	50	0.47	ug/L	146	77	64-135	7	24	
4-Nitrophenol	ND	189	50	2.9	ug/L	134	71	16-120	0.7	48	
Acenaphthene	ND	189	10	0.77	ug/L	161	85	60-120	4	24	
Acenaphthylene	ND	189	10	0.72	ug/L	161	85	63-120	5	18	
Acetophenone	2.07	189	9.4	1.0	ug/L	143	75	45-120	32	20	R2
Aniline	ND	189	19	1.2	ug/L	131	69	37-120	24	30	
Anthracene	ND	189	10	0.53	ug/L	156	83	69-131	15	15	
Atrazine	ND	189	9.4	0.87	ug/L	202	107	70-129	0.009	20	
Benzaldehyde	ND	189	9.4	0.50	ug/L	145	77	30-140	39	20	R2
Benzo(a)anthracene	ND	189	10	0.68	ug/L	150	79	73-138	22	15	R2
Benzo(a)pyrene	ND	189	10	0.89	ug/L	157	83	74-126	20	15	R2
Benzo(b)fluoranthene	ND	189	9.4	0.64	ug/L	140	74	75-133	23	15	R2,M12
Benzo(ghi)perylene	ND	189	10	0.66	ug/L	165	87	66-152	18	15	R2
Benzo(k)fluoranthene	ND	189	10	1.4	ug/L	141	74	75-133	21	22	M12
Biphenyl	ND	189	9.4	1.2	ug/L	135	72	30-140	7	20	
Bis(2-chloroethoxy)methane	ND	189	10	0.66	ug/L	141	75	62-120	32	17	R2
Bis(2-chloroethyl)ether	ND	189	10	0.75	ug/L	130	69	51-120	41	21	R2
2,2'-Oxybis(1-Chloropropane)	ND	189	10	0.98	ug/L	134	71	47-120	40	24	R2
Bis(2-ethylhexyl)phthalate	3.68	189	10	3.4	ug/L	156	81	69-136	16	15	R2
Butyl benzyl phthalate	ND	189	10	0.79	ug/L	168	89	62-149	20	16	R2
Caprolactam	ND	189	9.4	4.2	ug/L	173	91	30-140	21	20	R2
Carbazole	ND	189	9.4	0.57	ug/L	185	98	68-133	4	20	
Chrysene	ND	189	10	0.62	ug/L	154	82	69-140	21	15	R2
Dibenzo(a,h)anthracene	ND	189	10	0.79	ug/L	149	79	67-144	20	15	R2
Dibenzofuran	ND	189	19	0.96	ug/L	158	84	66-120	1	15	
Diethyl phthalate	3.53	189	10	0.42	ug/L	187	97	78-128	2	15	
Dimethyl phthalate	ND	189	10	0.68	ug/L	183	97	73-127	5	15	
Di-n-butyl phthalate	1.45	189	10	0.58	ug/L	161	85	67-132	15	15	
Di-n-octyl phthalate	ND	189	10	0.89	ug/L	168	89	72-145	20	16	R2
Fluoranthene	ND	189	10	0.75	ug/L	151	80	67-133	19	15	R2
Fluorene	ND	189	10	0.68	ug/L	161	85	66-129	6	15	
Hexachlorobenzene	ND	189	10	0.96	ug/L	153	81	38-131	14	15	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1617-MSD1, Batch: 10E1617)											
QC Source Sample: RTE1046-01											
Hexachlorobutadiene	ND	189	10	1.3	ug/L	110	59	30-120	27	44	
Hexachlorocyclopentadiene	ND	189	10	1.1	ug/L	108	57	23-120	14	49	
Hexachloroethane	ND	189	10	1.1	ug/L	112	59	25-120	45	46	
Indeno(1,2,3-cd)pyrene	ND	189	10	0.89	ug/L	153	81	69-146	19	15	R2
Isophorone	ND	189	10	0.81	ug/L	150	80	64-120	25	17	R2
Naphthalene	ND	189	10	1.4	ug/L	140	74	48-120	29	29	
Nitrobenzene	ND	189	10	0.55	ug/L	137	73	52-120	32	24	R2
N-Nitrosodi-n-propylamine	ND	189	10	1.0	ug/L	150	79	56-120	27	31	
N-Nitrosodiphenylamine	ND	189	10	0.96	ug/L	207	110	25-125	2	15	
Pentachlorophenol	ND	189	50	4.2	ug/L	253	134	39-136	2	37	
Phenanthrene	ND	189	10	0.83	ug/L	158	84	67-130	12	15	
Phenol	ND	189	10	0.74	ug/L	99.4	53	17-120	30	34	
Pyrene	ND	189	10	0.64	ug/L	158	84	58-136	22	19	R2
<i>Surrogate:</i>					ug/L		104	52-132			
<i>2,4,6-Tribromophenol</i>					ug/L		73	48-120			
<i>Surrogate:</i>					ug/L						
<i>2-Fluorobiphenyl</i>					ug/L		50	20-120			
<i>Surrogate:</i>					ug/L						
<i>2-Fluorophenol</i>					ug/L		67	46-120			
<i>Surrogate:</i>					ug/L						
<i>Nitrobenzene-d5</i>					ug/L		46	16-120			
<i>Surrogate: Phenol-d5</i>					ug/L		45	24-136			
<i>Surrogate:</i>					ug/L						
<i>p-Terphenyl-d14</i>											

Semivolatile Organics by GC/MS

Blank Analyzed: 05/21/10 (Lab Number:10E1619-BLK1, Batch: 10E1619)

2,4,5-Trichlorophenol	170	36	ug/kg wet	ND
2,4,6-Trichlorophenol	170	11	ug/kg wet	ND
2,4-Dichlorophenol	170	8.7	ug/kg wet	ND
2,4-Dimethylphenol	170	45	ug/kg wet	ND
2,4-Dinitrophenol	320	58	ug/kg wet	ND
2,4-Dinitrotoluene	170	26	ug/kg wet	ND
2,6-Dinitrotoluene	170	41	ug/kg wet	ND
2-Chloronaphthalene	170	11	ug/kg wet	ND
2-Chlorophenol	170	8.4	ug/kg wet	ND
2-Methylnaphthalene	170	2.0	ug/kg wet	ND
2-Methylphenol	170	5.1	ug/kg wet	ND

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1619-BLK1, Batch: 10E1619)											
2-Nitroaniline			320	53	ug/kg wet	ND					
2-Nitrophenol			170	7.6	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			320	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.8	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND					
4-Methylphenol			320	9.2	ug/kg wet	ND					
4-Nitroaniline			320	18	ug/kg wet	ND					
4-Nitrophenol			320	40	ug/kg wet	ND					
Acenaphthene			170	1.9	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.5	ug/kg wet	ND					
Anthracene			170	4.2	ug/kg wet	ND					
Atrazine			170	7.4	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	53	ug/kg wet	ND					
Butyl benzyl phthalate			170	44	ug/kg wet	ND					
Caprolactam			170	72	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/21/10 (Lab Number:10E1619-BLK1, Batch: 10E1619)

Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	57	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.2	ug/kg wet	ND					
Hexachlorobutadiene			170	8.5	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.3	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.3	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND					
Pentachlorophenol			320	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	17	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					

Surrogate:					ug/kg wet		88	39-146			
2,4,6-Tribromophenol					ug/kg wet		51	37-120			
Surrogate:					ug/kg wet		43	18-120			
2-Fluorobiphenyl					ug/kg wet		45	34-132			
Surrogate:					ug/kg wet		51	11-120			
2-Fluorophenol					ug/kg wet		82	58-147			
Surrogate:					ug/kg wet						
Nitrobenzene-d5					ug/kg wet						
Surrogate: Phenol-d5					ug/kg wet						
Surrogate:					ug/kg wet						
p-Terphenyl-d14					ug/kg wet						

LCS Analyzed: 05/21/10 (Lab Number:10E1619-BS1, Batch: 10E1619)

2,4,5-Trichlorophenol	3230	160	36	ug/kg wet	3070	95	59-126				
2,4,6-Trichlorophenol	3230	160	11	ug/kg wet	2920	90	59-123				
2,4-Dichlorophenol	3230	160	8.6	ug/kg wet	2390	74	52-120				
2,4-Dimethylphenol	3230	160	44	ug/kg wet	2210	68	36-120				
2,4-Dinitrophenol	3230	320	57	ug/kg wet	3480	108	35-146				
2,4-Dinitrotoluene	3230	160	25	ug/kg wet	3300	102	55-125				
2,6-Dinitrotoluene	3230	160	40	ug/kg wet	3370	104	66-128				

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1619-BS1, Batch: 10E1619)											
2-Chloronaphthalene		3230	160	11	ug/kg wet	2360	73	57-120			
2-Chlorophenol		3230	160	8.3	ug/kg wet	1790	56	38-120			
2-Methylnaphthalene		3230	160	2.0	ug/kg wet	2340	72	47-120			
2-Methylphenol		3230	160	5.0	ug/kg wet	2150	66	48-120			
2-Nitroaniline		3230	320	53	ug/kg wet	3060	95	61-130			
2-Nitrophenol		3230	160	7.5	ug/kg wet	2150	66	50-120			
3,3'-Dichlorobenzidine		3230	160	140	ug/kg wet	3970	123	48-126			
3-Nitroaniline		3230	320	38	ug/kg wet	3250	101	61-127			
4,6-Dinitro-2-methylphenol		3230	320	57	ug/kg wet	3780	117	49-155			
4-Bromophenyl phenyl ether		3230	160	52	ug/kg wet	2970	92	58-131			
4-Chloro-3-methylphenol		3230	160	6.7	ug/kg wet	3040	94	49-125			
4-Chloroaniline		3230	160	48	ug/kg wet	2580	80	49-120			
4-Chlorophenyl phenyl ether		3230	160	3.5	ug/kg wet	2740	85	63-124			
4-Methylphenol		3230	320	9.1	ug/kg wet	2360	73	50-119			
4-Nitroaniline		3230	320	18	ug/kg wet	3370	104	63-128			
4-Nitrophenol		3230	320	40	ug/kg wet	3280	101	43-137			
Acenaphthene		3230	160	1.9	ug/kg wet	2650	82	53-120			
Acenaphthylene		3230	160	1.3	ug/kg wet	2650	82	58-121			
Acetophenone		3230	160	8.4	ug/kg wet	1960	61	66-120			L2
Anthracene		3230	160	4.2	ug/kg wet	2960	92	62-129			
Atrazine		3230	160	7.3	ug/kg wet	3070	95	73-133			
Benzaldehyde		3230	160	18	ug/kg wet	1970	61	21-120			
Benzo(a)anthracene		3230	160	2.8	ug/kg wet	3010	93	65-133			
Benzo(a)pyrene		3230	160	3.9	ug/kg wet	3090	96	64-127			
Benzo(b)fluoranthene		3230	160	3.2	ug/kg wet	2830	88	64-135			
Benzo(ghi)perylene		3230	160	2.0	ug/kg wet	3310	102	50-152			
Benzo(k)fluoranthene		3230	160	1.8	ug/kg wet	2810	87	58-138			
Biphenyl		3230	160	10	ug/kg wet	2160	67	71-120			L2
Bis(2-chloroethoxy)methane		3230	160	8.9	ug/kg wet	1940	60	61-133			L2
Bis(2-chloroethyl)ether		3230	160	14	ug/kg wet	1570	48	45-120			
2,2'-Oxybis(1-Chloropropane)		3230	160	17	ug/kg wet	1680	52	44-120			
Bis(2-ethylhexyl)phthalate		3230	160	53	ug/kg wet	2920	90	61-133			
Butyl benzyl phthalate		3230	160	44	ug/kg wet	3340	103	61-129			
Caprolactam		3230	160	71	ug/kg wet	4640	143	54-133			L1

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1619-BS1, Batch: 10E1619)											
Carbazole		3230	160	1.9	ug/kg wet	3010	93	59-129			
Chrysene		3230	160	1.6	ug/kg wet	3130	97	64-131			
Dibenzo(a,h)anthracene		3230	160	1.9	ug/kg wet	3050	94	54-148			
Dibenzofuran		3230	160	1.7	ug/kg wet	2720	84	56-120			
Diethyl phthalate		3230	160	4.9	ug/kg wet	2960	92	66-126			
Dimethyl phthalate		3230	160	4.3	ug/kg wet	2890	89	65-124			
Di-n-butyl phthalate		3230	160	57	ug/kg wet	2930	91	58-130			
Di-n-octyl phthalate		3230	160	3.8	ug/kg wet	3280	101	62-133			
Fluoranthene		3230	160	2.4	ug/kg wet	2930	91	62-131			
Fluorene		3230	160	3.8	ug/kg wet	2830	87	63-126			
Hexachlorobenzene		3230	160	8.1	ug/kg wet	2910	90	60-132			
Hexachlorobutadiene		3230	160	8.4	ug/kg wet	1670	52	45-120			
Hexachlorocyclopentadiene		3230	160	50	ug/kg wet	1760	54	31-120			
Hexachloroethane		3230	160	13	ug/kg wet	1560	48	41-120			
Indeno(1,2,3-cd)pyrene		3230	160	4.5	ug/kg wet	3120	96	56-149			
Isophorone		3230	160	8.2	ug/kg wet	2270	70	56-120			
Naphthalene		3230	160	2.7	ug/kg wet	1930	60	46-120			
Nitrobenzene		3230	160	7.3	ug/kg wet	1830	57	49-120			
N-Nitrosodi-n-propylamine		3230	160	13	ug/kg wet	2070	64	46-120			
N-Nitrosodiphenylamine		3230	160	9.0	ug/kg wet	3470	107	20-119			
Pentachlorophenol		3230	320	56	ug/kg wet	3940	122	33-136			
Phenanthrene		3230	160	3.4	ug/kg wet	2890	90	60-130			
Phenol		3230	160	17	ug/kg wet	1950	60	36-120			
Pyrene		3230	160	1.1	ug/kg wet	3190	99	51-133			

Surrogate:					ug/kg wet		95	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		67	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		44	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		52	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		56	11-120			
Surrogate:					ug/kg wet		84	58-147			
p-Terphenyl-d14											

Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1619-MS1, Batch: 10E1619)

QC Source Sample: RTE1044-01

2,4,5-Trichlorophenol	ND	3600	180	40	ug/kg dry	3720	103	59-126			
2,4,6-Trichlorophenol	ND	3600	180	12	ug/kg dry	3490	97	59-123			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1619-MS1, Batch: 10E1619)											
QC Source Sample: RTE1044-01											
2,4-Dichlorophenol	ND	3600	180	9.5	ug/kg dry	3090	86	52-120			
2,4-Dimethylphenol	ND	3600	180	49	ug/kg dry	2870	80	36-120			
2,4-Dinitrophenol	ND	3600	360	64	ug/kg dry	3880	108	35-146			
2,4-Dinitrotoluene	ND	3600	180	28	ug/kg dry	3850	107	55-125			
2,6-Dinitrotoluene	ND	3600	180	45	ug/kg dry	3870	107	66-128			
2-Chloronaphthalene	ND	3600	180	12	ug/kg dry	2930	82	57-120			
2-Chlorophenol	ND	3600	180	9.3	ug/kg dry	2470	69	38-120			
2-Methylnaphthalene	ND	3600	180	2.2	ug/kg dry	2940	82	47-120			
2-Methylphenol	ND	3600	180	5.6	ug/kg dry	2800	78	48-120			
2-Nitroaniline	ND	3600	360	58	ug/kg dry	3600	100	61-130			
2-Nitrophenol	ND	3600	180	8.3	ug/kg dry	2910	81	50-120			
3,3'-Dichlorobenzidine	ND	3600	180	160	ug/kg dry	4660	130	48-126			M11
3-Nitroaniline	ND	3600	360	42	ug/kg dry	3930	109	61-127			
4,6-Dinitro-2-methylphenol	ND	3600	360	63	ug/kg dry	4330	120	49-155			
4-Bromophenyl phenyl ether	ND	3600	180	58	ug/kg dry	3430	95	58-131			
4-Chloro-3-methylphenol	ND	3600	180	7.5	ug/kg dry	3550	99	49-125			
4-Chloroaniline	ND	3600	180	53	ug/kg dry	3150	88	49-120			
4-Chlorophenyl phenyl ether	ND	3600	180	3.9	ug/kg dry	3230	90	63-124			
4-Methylphenol	ND	3600	360	10	ug/kg dry	3080	86	50-119			
4-Nitroaniline	ND	3600	360	20	ug/kg dry	3940	110	63-128			
4-Nitrophenol	ND	3600	360	44	ug/kg dry	3850	107	43-137			
Acenaphthene	ND	3600	180	2.1	ug/kg dry	3170	88	53-120			
Acenaphthylene	ND	3600	180	1.5	ug/kg dry	3140	87	58-121			
Acetophenone	12.4	3600	180	9.3	ug/kg dry	2530	70	66-120			
Anthracene	ND	3600	180	4.7	ug/kg dry	3410	95	62-129			
Atrazine	ND	3600	180	8.1	ug/kg dry	3660	102	73-133			
Benzaldehyde	ND	3600	180	20	ug/kg dry	2410	67	21-120			
Benzo(a)anthracene	ND	3600	180	3.1	ug/kg dry	3440	96	65-133			
Benzo(a)pyrene	ND	3600	180	4.4	ug/kg dry	3570	99	64-127			
Benzo(b)fluoranthene	ND	3600	180	3.5	ug/kg dry	3280	91	64-135			
Benzo(ghi)perylene	ND	3600	180	2.2	ug/kg dry	3840	107	50-152			
Benzo(k)fluoranthene	ND	3600	180	2.0	ug/kg dry	3150	88	58-138			
Biphenyl	ND	3600	180	11	ug/kg dry	2670	74	71-120			
Bis(2-chloroethoxy)methane	ND	3600	180	9.9	ug/kg dry	2500	70	61-133			
Bis(2-chloroethyl)ether	ND	3600	180	16	ug/kg dry	2220	62	45-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1619-MS1, Batch: 10E1619)											
QC Source Sample: RTE1044-01											
2,2'-Oxybis(1-Chloroprop ane)	ND	3600	180	19	ug/kg dry	2350	65	44-120			
Bis(2-ethylhexyl) phthalate	289	3600	180	59	ug/kg dry	3370	86	61-133			
Butyl benzyl phthalate	ND	3600	180	49	ug/kg dry	3790	105	61-129			
Caprolactam	ND	3600	180	79	ug/kg dry	5320	148	54-133			M11
Carbazole	ND	3600	180	2.1	ug/kg dry	3510	98	59-129			
Chrysene	ND	3600	180	1.8	ug/kg dry	3550	99	64-131			
Dibenzo(a,h)anthracene	ND	3600	180	2.1	ug/kg dry	3500	97	54-148			
Dibenzofuran	ND	3600	180	1.9	ug/kg dry	3180	89	56-120			
Diethyl phthalate	ND	3600	180	5.5	ug/kg dry	3420	95	66-126			
Dimethyl phthalate	ND	3600	180	4.8	ug/kg dry	3320	92	65-124			
Di-n-butyl phthalate	ND	3600	180	63	ug/kg dry	3430	95	58-130			
Di-n-octyl phthalate	ND	3600	180	4.3	ug/kg dry	3710	103	62-133			
Fluoranthene	ND	3600	180	2.6	ug/kg dry	3370	94	62-131			
Fluorene	ND	3600	180	4.2	ug/kg dry	3280	91	63-126			
Hexachlorobenzene	ND	3600	180	9.0	ug/kg dry	3390	94	60-132			
Hexachlorobutadiene	ND	3600	180	9.3	ug/kg dry	2340	65	45-120			
Hexachlorocyclopentadie ne	ND	3600	180	55	ug/kg dry	2400	67	31-120			
Hexachloroethane	ND	3600	180	14	ug/kg dry	2230	62	41-120			
Indeno(1,2,3-cd)pyrene	ND	3600	180	5.0	ug/kg dry	3590	100	56-149			
Isophorone	ND	3600	180	9.1	ug/kg dry	2780	77	56-120			
Naphthalene	ND	3600	180	3.0	ug/kg dry	2590	72	46-120			
Nitrobenzene	ND	3600	180	8.1	ug/kg dry	2490	69	49-120			
N-Nitrosodi-n-propylamin e	ND	3600	180	14	ug/kg dry	2570	71	46-120			
N-Nitrosodiphenylamine	ND	3600	180	10	ug/kg dry	4070	113	20-119			
Pentachlorophenol	ND	3600	360	62	ug/kg dry	4540	126	33-136			
Phenanthrene	ND	3600	180	3.8	ug/kg dry	3370	94	60-130			
Phenol	ND	3600	180	19	ug/kg dry	2650	74	36-120			
Pyrene	ND	3600	180	1.2	ug/kg dry	3600	100	51-133			
Surrogate:					ug/kg dry		100	39-146			
2,4,6-Tribromophenol					ug/kg dry		75	37-120			
Surrogate:					ug/kg dry						
2-Fluorobiphenyl					ug/kg dry		56	18-120			
Surrogate:					ug/kg dry						
2-Fluorophenol					ug/kg dry		63	34-132			
Surrogate:					ug/kg dry						
Nitrobenzene-d5											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1619-MS1, Batch: 10E1619)											
QC Source Sample: RTE1044-01											
Surrogate: Phenol-d5					ug/kg dry	67	11-120				
Surrogate: p-Terphenyl-d14					ug/kg dry	85	58-147				
Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1619-MSD1, Batch: 10E1619)											
QC Source Sample: RTE1044-01											
2,4,5-Trichlorophenol	ND	3590	180	40	ug/kg dry	3370	94	59-126	10	18	
2,4,6-Trichlorophenol	ND	3590	180	12	ug/kg dry	3210	89	59-123	8	19	
2,4-Dichlorophenol	ND	3590	180	9.5	ug/kg dry	2900	81	52-120	6	19	
2,4-Dimethylphenol	ND	3590	180	49	ug/kg dry	2650	74	36-120	8	42	
2,4-Dinitrophenol	ND	3590	360	64	ug/kg dry	3550	99	35-146	9	22	
2,4-Dinitrotoluene	ND	3590	180	28	ug/kg dry	3480	97	55-125	10	20	
2,6-Dinitrotoluene	ND	3590	180	44	ug/kg dry	3540	99	66-128	9	15	
2-Chloronaphthalene	ND	3590	180	12	ug/kg dry	2710	75	57-120	8	21	
2-Chlorophenol	ND	3590	180	9.3	ug/kg dry	2510	70	38-120	2	25	
2-Methylnaphthalene	ND	3590	180	2.2	ug/kg dry	2780	77	47-120	6	21	
2-Methylphenol	ND	3590	180	5.6	ug/kg dry	2730	76	48-120	3	27	
2-Nitroaniline	ND	3590	360	58	ug/kg dry	3280	91	61-130	9	15	
2-Nitrophenol	ND	3590	180	8.3	ug/kg dry	2850	79	50-120	2	18	
3,3'-Dichlorobenzidine	ND	3590	180	160	ug/kg dry	4280	119	48-126	9	25	
3-Nitroaniline	ND	3590	360	42	ug/kg dry	3580	100	61-127	9	19	
4,6-Dinitro-2-methylphenol	ND	3590	360	63	ug/kg dry	3940	110	49-155	9	15	
4-Bromophenyl phenyl ether	ND	3590	180	58	ug/kg dry	3200	89	58-131	7	15	
4-Chloro-3-methylphenol	ND	3590	180	7.5	ug/kg dry	3250	91	49-125	9	27	
4-Chloroaniline	ND	3590	180	53	ug/kg dry	2870	80	49-120	9	22	
4-Chlorophenyl phenyl ether	ND	3590	180	3.9	ug/kg dry	2970	83	63-124	8	16	
4-Methylphenol	ND	3590	360	10	ug/kg dry	2920	81	50-119	5	24	
4-Nitroaniline	ND	3590	360	20	ug/kg dry	3640	101	63-128	8	24	
4-Nitrophenol	ND	3590	360	44	ug/kg dry	3500	97	43-137	10	25	
Acenaphthene	ND	3590	180	2.1	ug/kg dry	2860	80	53-120	10	35	
Acenaphthylene	ND	3590	180	1.5	ug/kg dry	2850	79	58-121	9	18	
Acetophenone	12.4	3590	180	9.3	ug/kg dry	2450	68	66-120	3	20	
Anthracene	ND	3590	180	4.7	ug/kg dry	3140	87	62-129	8	15	
Atrazine	ND	3590	180	8.1	ug/kg dry	3370	94	73-133	8	20	
Benzaldehyde	ND	3590	180	20	ug/kg dry	2440	68	21-120	1	20	
Benzo(a)anthracene	ND	3590	180	3.1	ug/kg dry	3200	89	65-133	7	15	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1619-MSD1, Batch: 10E1619)											
QC Source Sample: RTE1044-01											
Benzo(a)pyrene	ND	3590	180	4.4	ug/kg dry	3250	91	64-127	9	15	M12
Benzo(b)fluoranthene	ND	3590	180	3.5	ug/kg dry	3000	84	64-135	9	15	
Benzo(ghi)perylene	ND	3590	180	2.2	ug/kg dry	3490	97	50-152	9	15	
Benzo(k)fluoranthene	ND	3590	180	2.0	ug/kg dry	2880	80	58-138	9	22	
Biphenyl	ND	3590	180	11	ug/kg dry	2460	69	71-120	8	20	
Bis(2-chloroethoxy)methane	ND	3590	180	9.9	ug/kg dry	2400	67	61-133	4	17	
Bis(2-chloroethyl)ether	ND	3590	180	16	ug/kg dry	2270	63	45-120	3	21	
2,2'-Oxybis(1-Chloropropene)	ND	3590	180	19	ug/kg dry	2380	66	44-120	2	24	
Bis(2-ethylhexyl)phthalate	289	3590	180	59	ug/kg dry	3140	80	61-133	7	15	
Butyl benzyl phthalate	ND	3590	180	49	ug/kg dry	3470	97	61-129	9	16	
Caprolactam	ND	3590	180	79	ug/kg dry	4740	132	54-133	11	20	
Carbazole	ND	3590	180	2.1	ug/kg dry	3220	90	59-129	9	20	
Chrysene	ND	3590	180	1.8	ug/kg dry	3230	90	64-131	10	15	
Dibenzo(a,h)anthracene	ND	3590	180	2.1	ug/kg dry	3230	90	54-148	8	15	
Dibenzofuran	ND	3590	180	1.9	ug/kg dry	2930	82	56-120	8	15	
Diethyl phthalate	ND	3590	180	5.5	ug/kg dry	3120	87	66-126	9	15	
Dimethyl phthalate	ND	3590	180	4.7	ug/kg dry	3040	85	65-124	9	15	
Di-n-butyl phthalate	ND	3590	180	63	ug/kg dry	3160	88	58-130	8	15	
Di-n-octyl phthalate	ND	3590	180	4.3	ug/kg dry	3410	95	62-133	9	16	
Fluoranthene	ND	3590	180	2.6	ug/kg dry	3080	86	62-131	9	15	
Fluorene	ND	3590	180	4.2	ug/kg dry	3000	84	63-126	9	15	
Hexachlorobenzene	ND	3590	180	9.0	ug/kg dry	3180	89	60-132	6	15	
Hexachlorobutadiene	ND	3590	180	9.3	ug/kg dry	2390	67	45-120	2	44	
Hexachlorocyclopentadiene	ND	3590	180	55	ug/kg dry	2350	65	31-120	2	49	
Hexachloroethane	ND	3590	180	14	ug/kg dry	2310	64	41-120	3	46	
Indeno(1,2,3-cd)pyrene	ND	3590	180	5.0	ug/kg dry	3310	92	56-149	8	15	
Isophorone	ND	3590	180	9.1	ug/kg dry	2530	70	56-120	10	17	
Naphthalene	ND	3590	180	3.0	ug/kg dry	2550	71	46-120	2	29	
Nitrobenzene	ND	3590	180	8.1	ug/kg dry	2460	69	49-120	1	24	
N-Nitrosodi-n-propylamine	ND	3590	180	14	ug/kg dry	2440	68	46-120	5	31	
N-Nitrosodiphenylamine	ND	3590	180	9.9	ug/kg dry	3760	105	20-119	8	15	
Pentachlorophenol	ND	3590	360	62	ug/kg dry	4080	114	33-136	11	35	
Phenanthrene	ND	3590	180	3.8	ug/kg dry	3080	86	60-130	9	15	
Phenol	ND	3590	180	19	ug/kg dry	2600	72	36-120	2	35	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatile Organics by GC/MS

Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1619-MSD1, Batch: 10E1619)

QC Source Sample: RTE1044-01

Pyrene	ND	3590	180	1.2	ug/kg dry	3320	93	51-133	8	35	
Surrogate:					ug/kg dry		91	39-146			
2,4,6-Tribromophenol					ug/kg dry		69	37-120			
Surrogate:					ug/kg dry		57	18-120			
2-Fluorobiphenyl					ug/kg dry		62	34-132			
Surrogate:					ug/kg dry		66	11-120			
2-Fluorophenol					ug/kg dry		79	58-147			
Surrogate:					ug/kg dry						
Nitrobenzene-d5					ug/kg dry						
Surrogate: Phenol-d5					ug/kg dry						
Surrogate:					ug/kg dry						
p-Terphenyl-d14					ug/kg dry						

Semivolatile Organics by GC/MS

Blank Analyzed: 05/24/10 (Lab Number:10E1884-BLK1, Batch: 10E1884)

2,4,5-Trichlorophenol	170	36	ug/kg wet	ND
2,4,6-Trichlorophenol	170	11	ug/kg wet	ND
2,4-Dichlorophenol	170	8.7	ug/kg wet	ND
2,4-Dimethylphenol	170	45	ug/kg wet	ND
2,4-Dinitrophenol	320	58	ug/kg wet	ND
2,4-Dinitrotoluene	170	26	ug/kg wet	ND
2,6-Dinitrotoluene	170	41	ug/kg wet	ND
2-Chloronaphthalene	170	11	ug/kg wet	ND
2-Chlorophenol	170	8.5	ug/kg wet	ND
2-Methylnaphthalene	170	2.0	ug/kg wet	ND
2-Methylphenol	170	5.1	ug/kg wet	ND
2-Nitroaniline	320	53	ug/kg wet	ND
2-Nitrophenol	170	7.6	ug/kg wet	ND
3,3'-Dichlorobenzidine	170	150	ug/kg wet	ND
3-Nitroaniline	320	38	ug/kg wet	ND
4,6-Dinitro-2-methylphenol	320	57	ug/kg wet	ND
4-Bromophenyl phenyl ether	170	53	ug/kg wet	ND
4-Chloro-3-methylphenol	170	6.8	ug/kg wet	ND
4-Chloroaniline	170	49	ug/kg wet	ND
4-Chlorophenyl phenyl ether	170	3.5	ug/kg wet	ND
4-Methylphenol	320	9.2	ug/kg wet	ND
4-Nitroaniline	320	19	ug/kg wet	ND

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/24/10 (Lab Number:10E1884-BLK1, Batch: 10E1884)											
4-Nitrophenol			320	40	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.5	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.4	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	72	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	57	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.3	ug/kg wet	ND					
Hexachlorobutadiene			170	8.5	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.3	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatile Organics by GC/MS

Blank Analyzed: 05/24/10 (Lab Number:10E1884-BLK1, Batch: 10E1884)

Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.4	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND					
Pentachlorophenol			320	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	17	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					

Surrogate:					ug/kg wet		97	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		75	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		63	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		68	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		73	11-120			
Surrogate:					ug/kg wet		87	58-147			
p-Terphenyl-d14											

LCS Analyzed: 05/24/10 (Lab Number:10E1884-BS1, Batch: 10E1884)

2,4,5-Trichlorophenol	3260	170	36	ug/kg wet	3080	95	59-126				
2,4,6-Trichlorophenol	3260	170	11	ug/kg wet	3010	92	59-123				
2,4-Dichlorophenol	3260	170	8.6	ug/kg wet	2800	86	52-120				
2,4-Dimethylphenol	3260	170	45	ug/kg wet	2620	80	36-120				
2,4-Dinitrophenol	3260	320	58	ug/kg wet	3500	107	35-146				
2,4-Dinitrotoluene	3260	170	26	ug/kg wet	3170	97	55-125				
2,6-Dinitrotoluene	3260	170	40	ug/kg wet	3320	102	66-128				
2-Chloronaphthalene	3260	170	11	ug/kg wet	2600	80	57-120				
2-Chlorophenol	3260	170	8.4	ug/kg wet	2320	71	38-120				
2-Methylnaphthalene	3260	170	2.0	ug/kg wet	2740	84	47-120				
2-Methylphenol	3260	170	5.1	ug/kg wet	2580	79	48-120				
2-Nitroaniline	3260	320	53	ug/kg wet	3170	97	61-130				
2-Nitrophenol	3260	170	7.5	ug/kg wet	2760	85	50-120				
3,3'-Dichlorobenzidine	3260	170	140	ug/kg wet	3920	120	48-126				
3-Nitroaniline	3260	320	38	ug/kg wet	3070	94	61-127				
4,6-Dinitro-2-methylphenol	3260	320	57	ug/kg wet	3760	115	49-155				
4-Bromophenyl phenyl ether	3260	170	52	ug/kg wet	2970	91	58-131				
4-Chloro-3-methylphenol	3260	170	6.8	ug/kg wet	3050	94	49-125				

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/24/10 (Lab Number:10E1884-BS1, Batch: 10E1884)											
4-Chloroaniline		3260	170	48	ug/kg wet	2820	86	49-120			
4-Chlorophenyl phenyl ether		3260	170	3.5	ug/kg wet	2800	86	63-124			
4-Methylphenol		3260	320	9.2	ug/kg wet	2790	86	50-119			
4-Nitroaniline		3260	320	18	ug/kg wet	3270	100	63-128			
4-Nitrophenol		3260	320	40	ug/kg wet	3270	100	43-137			
Acenaphthene		3260	170	1.9	ug/kg wet	2770	85	53-120			
Acenaphthylene		3260	170	1.3	ug/kg wet	2730	84	58-121			
Acetophenone		3260	170	8.5	ug/kg wet	2390	73	66-120			
Anthracene		3260	170	4.2	ug/kg wet	2880	89	62-129			
Atrazine		3260	170	7.3	ug/kg wet	3010	92	73-133			
Benzaldehyde		3260	170	18	ug/kg wet	2290	70	21-120			
Benzo(a)anthracene		3260	170	2.8	ug/kg wet	3190	98	65-133			
Benzo(a)pyrene		3260	170	4.0	ug/kg wet	2990	92	64-127			
Benzo(b)fluoranthene		3260	170	3.2	ug/kg wet	2840	87	64-135			
Benzo(ghi)perylene		3260	170	2.0	ug/kg wet	2830	87	50-152			
Benzo(k)fluoranthene		3260	170	1.8	ug/kg wet	2750	84	58-138			
Biphenyl		3260	170	10	ug/kg wet	2360	73	71-120			
Bis(2-chloroethoxy)methane		3260	170	9.0	ug/kg wet	2390	74	61-133			
Bis(2-chloroethyl)ether		3260	170	14	ug/kg wet	2120	65	45-120			
2,2'-Oxybis(1-Chloropropane)		3260	170	17	ug/kg wet	2420	74	44-120			
Bis(2-ethylhexyl)phthalate		3260	170	53	ug/kg wet	3080	95	61-133			
Butyl benzyl phthalate		3260	170	44	ug/kg wet	3420	105	61-129			
Caprolactam		3260	170	71	ug/kg wet	4450	137	54-133			L1
Carbazole		3260	170	1.9	ug/kg wet	2900	89	59-129			
Chrysene		3260	170	1.6	ug/kg wet	3120	96	64-131			
Dibenzo(a,h)anthracene		3260	170	1.9	ug/kg wet	2670	82	54-148			
Dibenzofuran		3260	170	1.7	ug/kg wet	2760	85	56-120			
Diethyl phthalate		3260	170	5.0	ug/kg wet	2900	89	66-126			
Dimethyl phthalate		3260	170	4.3	ug/kg wet	2840	87	65-124			
Di-n-butyl phthalate		3260	170	57	ug/kg wet	2860	88	58-130			
Di-n-octyl phthalate		3260	170	3.9	ug/kg wet	3260	100	62-133			
Fluoranthene		3260	170	2.4	ug/kg wet	2770	85	62-131			
Fluorene		3260	170	3.8	ug/kg wet	2840	87	63-126			
Hexachlorobenzene		3260	170	8.2	ug/kg wet	2940	90	60-132			
Hexachlorobutadiene		3260	170	8.4	ug/kg wet	2290	70	45-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/24/10 (Lab Number:10E1884-BS1, Batch: 10E1884)											
Hexachlorocyclopentadiene		3260	170	50	ug/kg wet	2310	71	31-120			
Hexachloroethane		3260	170	13	ug/kg wet	2200	67	41-120			
Indeno(1,2,3-cd)pyrene		3260	170	4.6	ug/kg wet	2710	83	56-149			
Isophorone		3260	170	8.2	ug/kg wet	2590	80	56-120			
Naphthalene		3260	170	2.7	ug/kg wet	2410	74	46-120			
Nitrobenzene		3260	170	7.3	ug/kg wet	2410	74	49-120			
N-Nitrosodi-n-propylamine		3260	170	13	ug/kg wet	2490	77	46-120			
N-Nitrosodiphenylamine		3260	170	9.0	ug/kg wet	3390	104	20-119			
Pentachlorophenol		3260	320	57	ug/kg wet	3350	103	33-136			
Phenanthrene		3260	170	3.5	ug/kg wet	2820	87	60-130			
Phenol		3260	170	17	ug/kg wet	2420	74	36-120			
Pyrene		3260	170	1.1	ug/kg wet	3280	101	51-133			
Surrogate:					ug/kg wet		92	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		70	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		54	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		65	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		63	11-120			
Surrogate:					ug/kg wet		86	58-147			
p-Terphenyl-d14											
LCS Dup Analyzed: 05/24/10 (Lab Number:10E1884-BSD1, Batch: 10E1884)											
2,4,5-Trichlorophenol		3310	170	37	ug/kg wet	3830	116	59-126	22	18	R2
2,4,6-Trichlorophenol		3310	170	11	ug/kg wet	3680	111	59-123	20	19	R2
2,4-Dichlorophenol		3310	170	8.8	ug/kg wet	3400	103	52-120	19	19	
2,4-Dimethylphenol		3310	170	45	ug/kg wet	3080	93	36-120	16	42	
2,4-Dinitrophenol		3310	330	59	ug/kg wet	4480	135	35-146	25	22	R2
2,4-Dinitrotoluene		3310	170	26	ug/kg wet	3990	121	55-125	23	20	R2
2,6-Dinitrotoluene		3310	170	41	ug/kg wet	4110	124	66-128	21	15	R2
2-Chloronaphthalene		3310	170	11	ug/kg wet	3080	93	57-120	17	21	
2-Chlorophenol		3310	170	8.5	ug/kg wet	2710	82	38-120	16	25	
2-Methylnaphthalene		3310	170	2.0	ug/kg wet	3210	97	47-120	16	21	
2-Methylphenol		3310	170	5.2	ug/kg wet	3070	93	48-120	17	27	
2-Nitroaniline		3310	330	54	ug/kg wet	3890	117	61-130	20	15	
2-Nitrophenol		3310	170	7.7	ug/kg wet	3210	97	50-120	15	18	
3,3'-Dichlorobenzidine		3310	170	150	ug/kg wet	4570	138	48-126	15	25	L1
3-Nitroaniline		3310	330	39	ug/kg wet	3930	119	61-127	24	19	R2

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LABORATORY QC DATA

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<u>Semivolatiles Organics by GC/MS</u>											
LCS Dup Analyzed: 05/24/10 (Lab Number:10E1884-BSD1, Batch: 10E1884)											
4,6-Dinitro-2-methylphenol		3310	330	58	ug/kg wet	4700	142	49-155	22	15	R2
4-Bromophenyl phenyl ether		3310	170	53	ug/kg wet	3700	112	58-131	22	15	R2
4-Chloro-3-methylphenol		3310	170	6.9	ug/kg wet	3780	114	49-125	21	27	
4-Chloroaniline		3310	170	49	ug/kg wet	3360	101	49-120	18	22	
4-Chlorophenyl phenyl ether		3310	170	3.6	ug/kg wet	3410	103	63-124	20	16	R2
4-Methylphenol		3310	330	9.3	ug/kg wet	3350	101	50-119	18	24	
4-Nitroaniline		3310	330	19	ug/kg wet	3990	120	63-128	20	24	
4-Nitrophenol		3310	330	41	ug/kg wet	4130	125	43-137	23	25	
Acenaphthene		3310	170	2.0	ug/kg wet	3370	102	53-120	20	35	
Acenaphthylene		3310	170	1.4	ug/kg wet	3290	99	58-121	19	18	R2
Acetophenone		3310	170	8.6	ug/kg wet	2760	83	66-120	14	20	
Anthracene		3310	170	4.3	ug/kg wet	3480	105	62-129	19	15	R2
Atrazine		3310	170	7.5	ug/kg wet	3410	103	73-133	12	20	
Benzaldehyde		3310	170	18	ug/kg wet	2260	68	21-120	1	20	
Benzo(a)anthracene		3310	170	2.9	ug/kg wet	3920	118	65-133	20	15	R2
Benzo(a)pyrene		3310	170	4.0	ug/kg wet	3760	114	64-127	23	15	R2
Benzo(b)fluoranthene		3310	170	3.3	ug/kg wet	3840	116	64-135	30	15	R2
Benzo(ghi)perylene		3310	170	2.0	ug/kg wet	3670	111	50-152	26	15	R2
Benzo(k)fluoranthene		3310	170	1.8	ug/kg wet	3160	96	58-138	14	22	
Biphenyl		3310	170	10	ug/kg wet	2810	85	71-120	17	20	
Bis(2-chloroethoxy)methane		3310	170	9.1	ug/kg wet	2770	84	61-133	15	17	
Bis(2-chloroethyl)ether		3310	170	14	ug/kg wet	2390	72	45-120	12	21	
2,2'-Oxybis(1-Chloropropene)		3310	170	18	ug/kg wet	2720	82	44-120	12	24	
Bis(2-ethylhexyl)phthalate		3310	170	54	ug/kg wet	3960	120	61-133	25	15	R2
Butyl benzyl phthalate		3310	170	45	ug/kg wet	4300	130	61-129	23	16	R2,L1
Caprolactam		3310	170	73	ug/kg wet	5630	170	54-133	23	20	R2,L1,E
Carbazole		3310	170	1.9	ug/kg wet	3470	105	59-129	18	20	
Chrysene		3310	170	1.7	ug/kg wet	3850	116	64-131	21	15	R2
Dibenzo(a,h)anthracene		3310	170	2.0	ug/kg wet	3370	102	54-148	23	15	R2
Dibenzofuran		3310	170	1.7	ug/kg wet	3390	102	56-120	21	15	R2
Diethyl phthalate		3310	170	5.1	ug/kg wet	3600	109	66-126	22	15	R2
Dimethyl phthalate		3310	170	4.4	ug/kg wet	3530	106	65-124	21	15	R2
Di-n-butyl phthalate		3310	170	58	ug/kg wet	3540	107	58-130	21	15	R2
Di-n-octyl phthalate		3310	170	3.9	ug/kg wet	4100	124	62-133	23	16	R2

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Dup Analyzed: 05/24/10 (Lab Number:10E1884-BSD1, Batch: 10E1884)											
Fluoranthene		3310	170	2.4	ug/kg wet	3370	102	62-131	20	15	R2
Fluorene		3310	170	3.9	ug/kg wet	3490	106	63-126	21	15	R2
Hexachlorobenzene		3310	170	8.3	ug/kg wet	3600	109	60-132	20	15	R2
Hexachlorobutadiene		3310	170	8.6	ug/kg wet	2540	77	45-120	10	44	
Hexachlorocyclopentadiene		3310	170	51	ug/kg wet	2680	81	31-120	15	49	
Hexachloroethane		3310	170	13	ug/kg wet	2300	69	41-120	4	46	
Indeno(1,2,3-cd)pyrene		3310	170	4.6	ug/kg wet	3440	104	56-149	24	15	R2
Isophorone		3310	170	8.4	ug/kg wet	3100	93	56-120	18	17	R2
Naphthalene		3310	170	2.8	ug/kg wet	2760	83	46-120	14	29	
Nitrobenzene		3310	170	7.4	ug/kg wet	2780	84	49-120	15	24	
N-Nitrosodi-n-propylamine		3310	170	13	ug/kg wet	2940	89	46-120	16	31	
N-Nitrosodiphenylamine		3310	170	9.2	ug/kg wet	4230	128	20-119	22	15	R2,L1
Pentachlorophenol		3310	330	58	ug/kg wet	4310	130	33-136	25	35	
Phenanthrene		3310	170	3.5	ug/kg wet	3440	104	60-130	20	15	R2
Phenol		3310	170	18	ug/kg wet	2810	85	36-120	15	35	
Pyrene		3310	170	1.1	ug/kg wet	4060	123	51-133	21	35	
<i>Surrogate:</i>					<i>ug/kg wet</i>		<i>109</i>	<i>39-146</i>			
<i>2,4,6-Tribromophenol</i>					<i>ug/kg wet</i>		<i>82</i>	<i>37-120</i>			
<i>Surrogate:</i>					<i>ug/kg wet</i>		<i>61</i>	<i>18-120</i>			
<i>2-Fluorobiphenyl</i>					<i>ug/kg wet</i>		<i>72</i>	<i>34-132</i>			
<i>Surrogate:</i>					<i>ug/kg wet</i>		<i>75</i>	<i>11-120</i>			
<i>Nitrobenzene-d5</i>					<i>ug/kg wet</i>		<i>105</i>	<i>58-147</i>			
<i>Surrogate: Phenol-d5</i>					<i>ug/kg wet</i>						
<i>Surrogate:</i>					<i>ug/kg wet</i>						
<i>p-Terphenyl-d14</i>											

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Total Metals by SW 846 Series Methods

Blank Analyzed: 05/20/10 (Lab Number:10E1471-BLK1, Batch: 10E1471)

Mercury			0.0197	NR	mg/kg wet	ND

Reference Analyzed: 05/20/10 (Lab Number:10E1471-SRM1, Batch: 10E1471)

Mercury	2.96	0.179	NR	mg/kg wet	3.16	107	67.6-132.8

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/21/10 (Lab Number:10E1629-BLK1, Batch: 10E1629)

Antimony		0.0200	NR	mg/L	ND
Arsenic		0.0100	NR	mg/L	ND
Barium		0.0020	NR	mg/L	ND
Cadmium		0.0010	NR	mg/L	ND
Chromium		0.0040	NR	mg/L	ND
Copper		0.0100	NR	mg/L	ND
Lead		0.0050	NR	mg/L	ND
Nickel		0.0100	NR	mg/L	ND
Selenium		0.0150	NR	mg/L	ND
Silver		0.0030	NR	mg/L	ND
Tin		0.0100	NR	mg/L	ND
Zinc		0.0100	NR	mg/L	ND

LCS Analyzed: 05/21/10 (Lab Number:10E1629-BS1, Batch: 10E1629)

Antimony	0.200	0.0200	NR	mg/L	0.204	102	80-120
Arsenic	0.200	0.0100	NR	mg/L	0.205	103	80-120
Barium	0.200	0.0020	NR	mg/L	0.194	97	80-120
Cadmium	0.200	0.0010	NR	mg/L	0.194	97	80-120
Chromium	0.200	0.0040	NR	mg/L	0.201	101	80-120
Copper	0.200	0.0100	NR	mg/L	0.193	97	80-120
Lead	0.200	0.0050	NR	mg/L	0.200	100	80-120
Nickel	0.200	0.0100	NR	mg/L	0.196	98	80-120
Selenium	0.200	0.0150	NR	mg/L	0.200	100	80-120
Silver	0.0500	0.0030	NR	mg/L	0.0518	104	80-120
Tin	0.200	0.0100	NR	mg/L	0.200	100	80-120
Zinc	0.200	0.0100	NR	mg/L	0.198	99	80-120

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/21/10 (Lab Number:10E1634-BLK1, Batch: 10E1634)

Antimony		14.3	0.5	mg/kg wet	ND

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Total Metals by SW 846 Series Methods

Blank Analyzed: 05/21/10 (Lab Number:10E1634-BLK1, Batch: 10E1634)

Arsenic			1.9	NR	mg/kg wet	ND					
Barium			0.475	NR	mg/kg wet	ND					
Cadmium			0.190	NR	mg/kg wet	ND					
Chromium			0.475	NR	mg/kg wet	ND					
Copper			1.0	NR	mg/kg wet	ND					
Lead			1.0	NR	mg/kg wet	ND					
Nickel			4.75	NR	mg/kg wet	ND					
Selenium			3.8	NR	mg/kg wet	ND					
Silver			0.475	NR	mg/kg wet	ND					
Tin			1.9	NR	mg/kg wet	ND					
Zinc			1.9	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/21/10 (Lab Number:10E1634-MS1, Batch: 10E1634)

QC Source Sample: RTE1044-01

Antimony	ND	41.5	15.6	0.6	mg/kg dry	20.0	48	75-125			M1
Arsenic	3.20	41.5	2.1	NR	mg/kg dry	35.5	78	75-125			
Barium	89.2	41.5	0.519	NR	mg/kg dry	132	104	75-125			
Cadmium	ND	41.5	0.208	NR	mg/kg dry	32.5	78	75-125			
Chromium	17.0	41.5	0.519	NR	mg/kg dry	50.4	80	75-125			
Copper	2.51	41.5	1.0	NR	mg/kg dry	36.0	81	75-125			
Lead	3.86	41.5	1.0	NR	mg/kg dry	35.3	76	75-125			
Nickel	18.3	41.5	5.19	NR	mg/kg dry	50.4	77	75-125			
Selenium	ND	41.5	4.2	NR	mg/kg dry	29.7	71	75-125			M1
Silver	ND	10.4	0.519	NR	mg/kg dry	8.57	82	75-125			
Tin	ND	41.5	2.1	NR	mg/kg dry	30.4	73	75-125			M1
Zinc	54.0	41.5	2.1	NR	mg/kg dry	85.7	76	75-125			

Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1634-MSD1, Batch: 10E1634)

QC Source Sample: RTE1044-01

Antimony	ND	43.6	16.4	0.6	mg/kg dry	21.9	50	75-125	9	20	M1
Arsenic	3.20	43.6	2.2	NR	mg/kg dry	37.0	78	75-125	4	20	
Barium	89.2	43.6	0.546	NR	mg/kg dry	122	75	75-125	8	20	
Cadmium	ND	43.6	0.218	NR	mg/kg dry	34.4	79	75-125	6	20	
Chromium	17.0	43.6	0.546	NR	mg/kg dry	51.2	78	75-125	2	20	
Copper	2.51	43.6	1.1	NR	mg/kg dry	37.2	79	75-125	3	20	
Lead	3.86	43.6	1.1	NR	mg/kg dry	37.2	76	75-125	5	20	
Nickel	18.3	43.6	5.46	NR	mg/kg dry	50.3	73	75-125	0.2	20	M1
Selenium	ND	43.6	4.4	NR	mg/kg dry	31.9	73	75-125	7	20	M1
Silver	ND	10.9	0.546	NR	mg/kg dry	9.08	83	75-125	6	20	

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Total Metals by SW 846 Series Methods

Matrix Spike Dup Analyzed: 05/21/10 (Lab Number:10E1634-MSD1, Batch: 10E1634)

QC Source Sample: RTE1044-01

Tin	ND	43.6	2.2	NR	mg/kg dry	32.4	74	75-125	6	20	M1
Zinc	54.0	43.6	2.2	NR	mg/kg dry	80.1	60	75-125	7	20	M1

Reference Analyzed: 05/21/10 (Lab Number:10E1634-SRM1, Batch: 10E1634)

Antimony		103	15.0	0.5	mg/kg wet	50.5	49	25.4-279.6			
Arsenic		107	2.0	NR	mg/kg wet	93.5	88	69.3-129.9			
Barium		330	0.499	NR	mg/kg wet	298	90	74-126			
Cadmium		244	0.200	NR	mg/kg wet	223	91	73.4-126.2			
Chromium		80.9	0.499	NR	mg/kg wet	70.1	87	68.9-131.5			
Copper		64.9	1.0	NR	mg/kg wet	56.6	87	73-127			
Lead		107	1.0	NR	mg/kg wet	93.0	87	71.4-129			
Nickel		96.8	4.99	NR	mg/kg wet	88.6	91	72.2-128.1			
Selenium		177	4.0	NR	mg/kg wet	163	92	68.4-132.2			
Silver		46.1	0.499	NR	mg/kg wet	42.2	91	66.2-133.5			
Tin		183	2.0	NR	mg/kg wet	148	81	60.7-138.8			
Zinc		377	2.0	NR	mg/kg wet	330	87	72.5-127.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/21/10 (Lab Number:10E1708-BLK1, Batch: 10E1708)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/21/10 (Lab Number:10E1708-BS1, Batch: 10E1708)

Mercury		0.00667	0.0004	NR	mg/L	0.00640	96	80-120			

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Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/23/10 (Lab Number:10E1739-BLK1, Batch: 10E1739)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/23/10 (Lab Number:10E1739-BS1, Batch: 10E1739)

Antimony	0.200	0.0200	NR	mg/L	0.207	103	80-120			
Arsenic	0.200	0.0100	NR	mg/L	0.210	105	80-120			
Barium	0.200	0.0020	NR	mg/L	0.193	97	80-120			
Cadmium	0.200	0.0010	NR	mg/L	0.205	102	80-120			
Chromium	0.200	0.0040	NR	mg/L	0.209	104	80-120			
Copper	0.200	0.0100	NR	mg/L	0.195	98	80-120			
Lead	0.200	0.0050	NR	mg/L	0.209	105	80-120			
Nickel	0.200	0.0100	NR	mg/L	0.207	103	80-120			
Selenium	0.200	0.0150	NR	mg/L	0.209	104	80-120			
Silver	0.0500	0.0030	NR	mg/L	0.0530	106	80-120			
Tin	0.200	0.0100	NR	mg/L	0.205	102	80-120			
Zinc	0.200	0.0100	NR	mg/L	0.216	108	80-120			

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1852-BLK1, Batch: 10E1852)

Mercury			0.0002	NR	mg/L	ND					P7

LCS Analyzed: 05/24/10 (Lab Number:10E1852-BS1, Batch: 10E1852)

Mercury	0.00667	0.0002	NR	mg/L	0.00650	98	80-120				P7

Matrix Spike Analyzed: 05/24/10 (Lab Number:10E1852-MS1, Batch: 10E1852)

QC Source Sample: RTE1046-02

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00680	102	75-125			P7

Matrix Spike Dup Analyzed: 05/24/10 (Lab Number:10E1852-MSD1, Batch: 10E1852)

QC Source Sample: RTE1046-02

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1044
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/20/10
Reported: 05/25/10 15:36

LABORATORY QC DATA

Analyte	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Matrix Spike Dup Analyzed: 05/24/10 (Lab Number:10E1852-MSD1, Batch: 10E1852)

QC Source Sample: RTE1046-02

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00682	102	75-125	0.2	20	P7

Chain of Custody Record

Temperature on Receipt

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TA-4324 (Rev. 1/79)

Client

Hactec Engineering & Consulting

Project Manager

Scott Keesling

Date

5/19/10

Chain of Custody Number

139915

Address

3200 Town Point Dr NW, Suite 100

Lab Number

770-481-3441

City

Kennesaw

State

GA

Zip Code

30144

Site Contact

Rick Wataak

Lab Contact

Brian Fischer

Analysis (Attach list if more than 10 is needed)

SVOCs 8260 B
SVOCs 8270 C
Metals
SVOCs 8021
Total Metals
Disolved Metals
SVOCs 8270 C

Page 1 of 1

Project Name and Location (State)
Project Yankee - Confidential NY State Project

Contract/Purchase Order/Quote No.
Order # 48002071-2 P.O. # 201006714

Carrier/Trailer Number
Fed-ex

Special Instructions/Conditions of Receipt

Sample ID, No. and Description
B-11920

Date

Time

Matrix

Lab Preservatives

Containers & Preservatives

NOV

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NOV 21 1910

Disinfect metal samples to be lab filtered

↓

1. Requested By

Scott Keesling

Date

Time

Analytical Report

Work Order: RTE1103

Project Description

New York State Project

New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, May 26, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8260, the compound Methylene Chloride was detected in the Method Blank at a level above the project established reporting limit. The associated samples had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample results for Methylene Chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated positive sample results were qualified with a "B".

This analyte exceeded the Method 8260 quality control limits for the Matrix Spike Blank. This analyte was not detected in any of the associated samples and a reporting limit standard was analyzed to demonstrate that the laboratory can still support the non-detects at the reporting limit. No further corrective action was preformed.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
N1	See case narrative.
P6	Sample received unpreserved, however the sample was analyzed within 7 days per EPA recommendation.
P7	Sample filtered in lab.
R2	The RPD exceeded the acceptance limit.
S13	Due to the amount of sediment present in the sample vials, volumes from two or more separate vials were combined for analysis.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1103-01 (B-22021 - Solid)						Sampled: 05/20/10 09:00		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	6.9	J	23	3.9	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Cyclohexane	3.7	J, B	4.7	0.65	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Methylene Chloride	12	B	4.7	2.1	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
<u>Semivolatile Organics by GC/MS</u>										
Bis(2-ethylhexyl) phthalate	74	J	200	62	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	145		0.588	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Chromium	20.7		0.588	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Copper	12.0		1.2	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Lead	2.9		1.2	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Nickel	9.70		5.88	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Zinc	22.4		2.4	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	85		0.010	NR	%	1.00	05/24/10 12:30	JRR	10E1839	Dry Weight
Sample ID: RTE1104-01 (B-2 - Water)						Sampled: 05/20/10 15:00		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	6.8	S13, P6	5.0	3.0	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chloroform	27	S13, P6	1.0	0.34	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
<u>Semivolatile Organics by GC/MS</u>										
Acetophenone	39		4.8	0.51	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Bis(2-ethylhexyl) phthalate	82		4.8	1.7	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Butyl benzyl phthalate	1.9	J	4.8	0.40	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Di-n-butyl phthalate	5.0		4.8	0.30	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	1.19		0.0020	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Chromium	0.0214		0.0040	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Copper	0.0256		0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Nickel	0.0351		0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Zinc	0.0406		0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.0945		0.0020	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Zinc	0.0371		0.0100	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Sample ID: RTE1104-02 (B-1 - Water)						Sampled: 05/20/10 13:30		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	3.9	J	5.0	3.0	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Bromodichloromethane	2.7		1.0	0.39	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Bromoform	3.5		1.0	0.26	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-02 (B-1 - Water) - cont.						Sampled: 05/20/10 13:30		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Chlorodibromomethane	1.0		1.0	0.32	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chloroform	30		1.0	0.34	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	0.58	J	4.8	0.57	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Acetophenone	6.4		4.8	0.51	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Bis(2-ethylhexyl) phthalate	3.6	J	4.8	1.7	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Butyl benzyl phthalate	1.3	J	4.8	0.40	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Diethyl phthalate	0.73	J	4.8	0.21	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Di-n-butyl phthalate	13		4.8	0.30	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Isophorone	0.76	J	4.8	0.41	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.724		0.0020	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Chromium	0.0284		0.0040	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Lead	0.0084		0.0050	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Nickel	0.0156		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Zinc	0.0852		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.0619		0.0020	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Zinc	0.0197		0.0100	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Sample ID: RTE1104-03 (B-8 - Water)						Sampled: 05/20/10 11:05		Recvd: 05/21/10 08:30		
<u>Semivolatile Organics by GC/MS</u>										
Acetophenone	11		5.2	0.56	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Bis(2-ethylhexyl) phthalate	7.1		5.2	1.9	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Butyl benzyl phthalate	0.84	J	5.2	0.44	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Diethyl phthalate	6.6		5.2	0.23	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Di-n-butyl phthalate	3.0	J	5.2	0.32	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.0730		0.0020	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Zinc	0.0178		0.0100	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-22021	RTE1103-01	Solid	05/20/10 09:00	05/21/10 08:30	
Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-2	RTE1104-01	Water	05/20/10 15:00	05/21/10 08:30	
B-1	RTE1104-02	Water	05/20/10 13:30	05/21/10 08:30	
B-8	RTE1104-03	Water	05/20/10 11:05	05/21/10 08:30	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1103-01 (B-22021 - Solid)						Sampled: 05/20/10 09:00		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		4.7	0.34	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,1,2,2-Tetrachloroethane	ND		4.7	0.76	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,1,2-Trichloroethane	ND		4.7	0.61	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,1-Dichloroethane	ND		4.7	0.57	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,1-Dichloroethene	ND		4.7	0.57	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2,4-Trichlorobenzene	ND		4.7	0.28	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dibromo-3-chloropropene	ND		4.7	2.3	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dibromoethane	ND		4.7	0.60	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dichlorobenzene	ND		4.7	0.37	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dichloroethane	ND		4.7	0.23	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dichloropropane	ND		4.7	2.3	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,3-Dichlorobenzene	ND		4.7	0.24	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,4-Dichlorobenzene	ND		4.7	0.65	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
2-Butanone	ND		23	1.7	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
2-Hexanone	ND		23	2.3	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
4-Methyl-2-pentanone	ND		23	1.5	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Acetone	6.9	J	23	3.9	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Benzene	ND		4.7	0.23	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Bromodichloromethane	ND		4.7	0.63	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Bromoform	ND		4.7	2.3	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Bromomethane	ND		4.7	0.42	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Carbon disulfide	ND		4.7	2.3	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Carbon Tetrachloride	ND		4.7	0.45	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Chlorobenzene	ND		4.7	0.62	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Dibromochloromethane	ND		4.7	0.60	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Chloroethane	ND		4.7	1.1	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Chloroform	ND		4.7	0.29	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Chloromethane	ND		4.7	0.28	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
cis-1,2-Dichloroethene	ND		4.7	0.60	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
cis-1,3-Dichloropropene	ND		4.7	0.67	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Cyclohexane	3.7	J, B	4.7	0.65	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Dichlorodifluoromethane	ND		4.7	0.39	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Ethylbenzene	ND		4.7	0.32	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Isopropylbenzene	ND		4.7	0.70	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Methyl Acetate	ND		4.7	0.87	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.7	0.46	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Methylcyclohexane	ND		4.7	0.71	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Methylene Chloride	12	B	4.7	2.1	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Styrene	ND		4.7	0.23	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Tetrachloroethene	ND		4.7	0.63	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Toluene	ND		4.7	0.35	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
trans-1,2-Dichloroethene	ND		4.7	0.48	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Trichloroethene	ND		4.7	1.0	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Trichlorofluoromethane	ND		4.7	0.44	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
Vinyl chloride	ND		4.7	0.57	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1103-01 (B-22021 - Solid) - cont.

Sampled: 05/20/10 09:00

Recvd: 05/21/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		9.3	0.79	ug/kg dry	1.00	05/22/10 21:04	NMD	10E1792	8260B
1,2-Dichloroethane-d4	85 %		Surr Limits: (64-126%)				05/22/10 21:04	NMD	10E1792	8260B
4-Bromofluorobenzene	114 %		Surr Limits: (72-126%)				05/22/10 21:04	NMD	10E1792	8260B
Toluene-d8	113 %		Surr Limits: (71-125%)				05/22/10 21:04	NMD	10E1792	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		200	42	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4-Dichlorophenol	ND		200	10	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4-Dimethylphenol	ND		200	52	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4-Dinitrophenol	ND		380	68	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4-Dinitrotoluene	ND		200	30	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,6-Dinitrotoluene	ND		200	47	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Chloronaphthalene	ND		200	13	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Chlorophenol	ND		200	9.9	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Methylnaphthalene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Methylphenol	ND		200	6.0	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Nitroaniline	ND		380	62	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2-Nitrophenol	ND		200	8.9	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
3,3'-Dichlorobenzidine	ND	L	200	170	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
3-Nitroaniline	ND		380	45	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4,6-Dinitro-2-methylphenol	ND		380	67	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Bromophenyl phenyl ether	ND		200	62	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Chloro-3-methylphenol	ND		200	8.0	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Chloroaniline	ND		200	57	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Chlorophenyl phenyl ether	ND		200	4.1	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Nitroaniline	ND		380	22	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Acenaphthene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Anthracene	ND		200	5.0	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Atrazine	ND		200	8.6	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzaldehyde	ND		200	21	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzo(a)anthracene	ND		200	3.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzo(a)pyrene	ND		200	4.7	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzo(b)fluoranthene	ND		200	3.8	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzo(ghi)perylene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Benzo(k)fluoranthene	ND		200	2.1	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Biphenyl	ND		200	12	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,2'-Oxybis(1-Chloropropane)	ND		200	20	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Bis(2-ethylhexyl)phthalate	74	J	200	62	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1103-01 (B-22021 - Solid) - cont.

Sampled: 05/20/10 09:00

Recvd: 05/21/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		200	52	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Caprolactam	ND		200	84	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Carbazole	ND		200	2.2	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Chrysene	ND		200	1.9	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Dibenzo(a,h)anthracene	ND		200	2.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Dibenzofuran	ND		200	2.0	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Diethyl phthalate	ND		200	5.9	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Dimethyl phthalate	ND		200	5.1	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Di-n-butyl phthalate	ND		200	67	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Di-n-octyl phthalate	ND		200	4.5	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Fluoranthene	ND		200	2.8	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Fluorene	ND		200	4.5	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Hexachlorobenzene	ND		200	9.6	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Hexachlorobutadiene	ND		200	9.9	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Hexachlorocyclopentadiene	ND		200	59	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Hexachloroethane	ND		200	15	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Indeno(1,2,3-cd)pyrene	ND		200	5.4	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Isophorone	ND		200	9.7	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Naphthalene	ND		200	3.2	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Nitrobenzene	ND		200	8.6	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
N-Nitrosodi-n-propylamine	ND		200	15	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
N-Nitrosodiphenylamine	ND	L	200	11	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Pentachlorophenol	ND		380	67	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Phenanthrene	ND		200	4.1	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Phenol	ND		200	20	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
Pyrene	ND		200	1.3	ug/kg dry	1.00	05/21/10 18:42	MKP	10E1716	8270C
2,4,6-Tribromophenol	76 %		Surr Limits: (39-146%)				05/21/10 18:42	MKP	10E1716	8270C
2-Fluorobiphenyl	68 %		Surr Limits: (37-120%)				05/21/10 18:42	MKP	10E1716	8270C
2-Fluorophenol	57 %		Surr Limits: (18-120%)				05/21/10 18:42	MKP	10E1716	8270C
Nitrobenzene-d5	58 %		Surr Limits: (34-132%)				05/21/10 18:42	MKP	10E1716	8270C
Phenol-d5	64 %		Surr Limits: (11-120%)				05/21/10 18:42	MKP	10E1716	8270C
p-Terphenyl-d14	85 %		Surr Limits: (58-147%)				05/21/10 18:42	MKP	10E1716	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		17.6	0.6	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Arsenic	ND		2.4	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Barium	145		0.588	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Cadmium	ND		0.235	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Chromium	20.7		0.588	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Copper	12.0		1.2	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Lead	2.9		1.2	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Nickel	9.70		5.88	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Selenium	ND		4.7	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Silver	ND		0.588	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Tin	ND		2.4	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Zinc	22.4		2.4	NR	mg/kg dry	1.00	05/24/10 16:40	DAN	10E1782	6010B
Mercury	ND		0.0231	NR	mg/kg dry	1.00	05/24/10 16:23	MXM	10E1715	7471A

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Project Number: MACTEC-0006

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Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1103-01 (B-22021 - Solid) - cont.					Sampled: 05/20/10 09:00			Recvd: 05/21/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	85		0.010	NR	%	1.00	05/24/10 12:30	JRR	10E1839	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-01 (B-2 - Water)						Sampled: 05/20/10 15:00		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	S13, P6	1.0	0.82	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND	S13, P6	1.0	0.21	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND	S13, P6	1.0	0.23	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND	S13, P6	1.0	0.31	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,1-Dichloroethane	ND	S13, P6	1.0	0.38	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,1-Dichloroethene	ND	S13, P6	1.0	0.29	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND	S13, P6	1.0	0.41	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropene	ND	S13, P6	1.0	0.39	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND	S13, P6	1.0	0.73	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND	S13, P6	1.0	0.79	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dichloroethane	ND	S13, P6	1.0	0.21	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dichloropropane	ND	S13, P6	1.0	0.72	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND	S13, P6	1.0	0.78	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND	S13, P6	1.0	0.84	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
2-Butanone (MEK)	ND	S13, P6	5.0	1.3	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
2-Hexanone	ND	S13, P6	5.0	1.2	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND	S13, P6	5.0	2.1	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Acetone	6.8	S13, P6	5.0	3.0	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Benzene	ND	S13, P6	1.0	0.41	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Bromodichloromethane	ND	S13, P6	1.0	0.39	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Bromoform	ND	S13, P6	1.0	0.26	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Bromomethane	ND	S13, P6	1.0	0.69	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Carbon disulfide	ND	S13, P6	1.0	0.19	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Carbon Tetrachloride	ND	S13, P6	1.0	0.27	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chlorobenzene	ND	S13, P6	1.0	0.75	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chlorodibromomethane	ND	S13, P6	1.0	0.32	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chloroethane	ND	S13, P6	1.0	0.32	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chloroform	27	S13, P6	1.0	0.34	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Chloromethane	ND	S13, P6	1.0	0.35	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND	S13, P6	1.0	0.81	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND	S13, P6	1.0	0.36	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Cyclohexane	ND	S13, P6	1.0	0.18	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Dichlorodifluoromethane	ND	S13, P6	1.0	0.68	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Ethylbenzene	ND	S13, P6	1.0	0.74	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Isopropylbenzene	ND	S13, P6	1.0	0.79	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Methyl Acetate	ND	S13, P6	1.0	0.50	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND	S13, P6	1.0	0.16	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Methylcyclohexane	ND	S13, P6	1.0	0.16	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Methylene Chloride	ND	S13, P6	1.0	0.44	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Styrene	ND	S13, P6	1.0	0.73	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Tetrachloroethene	ND	S13, P6	1.0	0.36	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Toluene	ND	S13, P6	1.0	0.51	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND	S13, P6	1.0	0.90	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND	S13, P6	1.0	0.37	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Trichloroethene	ND	S13, P6	1.0	0.46	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Trichlorofluoromethane	ND	S13, P6	1.0	0.88	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1104-01 (B-2 - Water) - cont.

Sampled: 05/20/10 15:00

Recvd: 05/21/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND	S13, P6	1.0	0.90	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
Xylenes, total	ND	S13, P6	2.0	0.66	ug/L	1.00	05/21/10 23:06	CDC	10E1764	8260B
1,2-Dichloroethane-d4	95 %	S13, P6	Surr Limits: (66-137%)				05/21/10 23:06	CDC	10E1764	8260B
4-Bromofluorobenzene	101 %	S13, P6	Surr Limits: (73-120%)				05/21/10 23:06	CDC	10E1764	8260B
Toluene-d8	109 %	S13, P6	Surr Limits: (71-126%)				05/21/10 23:06	CDC	10E1764	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Chlorophenol	ND		4.8	0.50	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Methylnaphthalene	ND		4.8	0.57	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
3,3'-Dichlorobenzidine	ND	L	4.8	0.38	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
3-Nitroaniline	ND		9.5	0.46	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Acetophenone	39		4.8	0.51	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzaldehyde	ND		4.8	0.25	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-01 (B-2 - Water) - cont.						Sampled: 05/20/10 15:00		Recvd: 05/21/10 08:30		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Bis(2-ethylhexyl) phthalate	82	J	4.8	1.7	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Butyl benzyl phthalate	1.9		4.8	0.40	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Chrysene	ND		4.8	0.31	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Dibenzofuran	ND		9.5	0.49	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Diethyl phthalate	ND		4.8	0.21	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Di-n-butyl phthalate	5.0		4.8	0.30	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Di-n-octyl phthalate	ND	4.8	0.45	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Fluoranthene	ND	4.8	0.38	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Fluorene	ND	4.8	0.34	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Hexachlorobenzene	ND	4.8	0.49	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Hexachlorobutadiene	ND	4.8	0.65	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Hexachlorocyclopentadiene	ND	4.8	0.56	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Hexachloroethane	ND	4.8	0.56	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Indeno(1,2,3-cd)pyrene	ND	4.8	0.45	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Isophorone	ND	4.8	0.41	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Naphthalene	ND	4.8	0.72	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
Nitrobenzene	ND	4.8	0.28	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
N-Nitrosodi-n-propylamine	ND	4.8	0.51	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C	
N-Nitrosodiphenylamine	ND	L	4.8	0.49	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
Pyrene	ND		4.8	0.32	ug/L	1.00	05/23/10 20:07	JLG	10E1750	8270C
2,4,6-Tribromophenol	108 %	Surr Limits: (52-132%)					05/23/10 20:07	JLG	10E1750	8270C
2-Fluorobiphenyl	74 %	Surr Limits: (48-120%)					05/23/10 20:07	JLG	10E1750	8270C
2-Fluorophenol	34 %	Surr Limits: (20-120%)					05/23/10 20:07	JLG	10E1750	8270C
Nitrobenzene-d5	63 %	Surr Limits: (46-120%)					05/23/10 20:07	JLG	10E1750	8270C
Phenol-d5	29 %	Surr Limits: (16-120%)					05/23/10 20:07	JLG	10E1750	8270C
p-Terphenyl-d14	28 %	Surr Limits: (24-136%)					05/23/10 20:07	JLG	10E1750	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	0.0200	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Arsenic	ND	0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Barium	1.19	0.0020	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Cadmium	ND	0.0010	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Chromium	0.0214	0.0040	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Copper	0.0256	0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Lead	ND	0.0050	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Nickel	0.0351	0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Selenium	ND	0.0150	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Silver	ND	0.0030	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Tin	ND	0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B
Zinc	0.0406	0.0100	NR	mg/L	1.00	05/24/10 14:32	DAN	10E1779	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-01 (B-2 - Water) - cont.						Sampled: 05/20/10 15:00		Recvd: 05/21/10 08:30		
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Barium	0.0945		0.0020	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 14:14	DAN	10E1739	6010B
Zinc	0.0371		0.0100	NR	mg/L	1.00	05/24/10 00:39	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:52	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-01RE1 (B-2 - Water)					Sampled: 05/20/10 15:00			Recvd: 05/21/10 08:30		
<u>Total Metals by SW 846 Series Methods</u>										
Mercury	ND		0.0002	NR	mg/L	1.00	05/26/10 13:13	MXM	10E2002	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-02 (B-1 - Water)						Sampled: 05/20/10 13:30		Recvd: 05/21/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Acetone	3.9	J	5.0	3.0	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Bromodichloromethane	2.7		1.0	0.39	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Bromoform	3.5		1.0	0.26	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chlorodibromomethane	1.0		1.0	0.32	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chloroform	30		1.0	0.34	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1104-02 (B-1 - Water) - cont.

Sampled: 05/20/10 13:30

Recvd: 05/21/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/21/10 23:29	CDC	10E1764	8260B
1,2-Dichloroethane-d4	97 %		Surr Limits: (66-137%)				05/21/10 23:29	CDC	10E1764	8260B
4-Bromofluorobenzene	102 %		Surr Limits: (73-120%)				05/21/10 23:29	CDC	10E1764	8260B
Toluene-d8	110 %		Surr Limits: (71-126%)				05/21/10 23:29	CDC	10E1764	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Chlorophenol	ND		4.8	0.50	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Methylnaphthalene	0.58	J	4.8	0.57	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
3,3'-Dichlorobenzidine	ND	L	4.8	0.38	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
3-Nitroaniline	ND		9.5	0.46	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Acetophenone	6.4		4.8	0.51	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzaldehyde	ND		4.8	0.25	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		4.8	0.50	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-02 (B-1 - Water) - cont.						Sampled: 05/20/10 13:30		Recvd: 05/21/10 08:30		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Bis(2-ethylhexyl) phthalate	3.6	J	4.8	1.7	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Butyl benzyl phthalate	1.3	J	4.8	0.40	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Chrysene	ND		4.8	0.31	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Dibenzofuran	ND		9.5	0.49	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Diethyl phthalate	0.73	J	4.8	0.21	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Di-n-butyl phthalate	13		4.8	0.30	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Fluorene	ND		4.8	0.34	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Hexachloroethane	ND		4.8	0.56	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Isophorone	0.76	J	4.8	0.41	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Naphthalene	ND		4.8	0.72	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
N-Nitrosodiphenylamine	ND	L	4.8	0.49	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
Pyrene	ND		4.8	0.32	ug/L	1.00	05/23/10 20:30	JLG	10E1750	8270C
2,4,6-Tribromophenol	115 %		Surr Limits: (52-132%)				05/23/10 20:30	JLG	10E1750	8270C
2-Fluorobiphenyl	83 %		Surr Limits: (48-120%)				05/23/10 20:30	JLG	10E1750	8270C
2-Fluorophenol	39 %		Surr Limits: (20-120%)				05/23/10 20:30	JLG	10E1750	8270C
Nitrobenzene-d5	71 %		Surr Limits: (46-120%)				05/23/10 20:30	JLG	10E1750	8270C
Phenol-d5	31 %		Surr Limits: (16-120%)				05/23/10 20:30	JLG	10E1750	8270C
p-Terphenyl-d14	36 %		Surr Limits: (24-136%)				05/23/10 20:30	JLG	10E1750	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Barium	0.724		0.0020	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Chromium	0.0284		0.0040	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Lead	0.0084		0.0050	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Nickel	0.0156		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B
Zinc	0.0852		0.0100	NR	mg/L	1.00	05/24/10 14:37	DAN	10E1779	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-02 (B-1 - Water) - cont.						Sampled: 05/20/10 13:30		Recvd: 05/21/10 08:30		
<u>Dissolved Metals by SW 846 Series Methods</u>										
Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Barium	0.0619		0.0020	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 14:19	DAN	10E1739	6010B
Zinc	0.0197		0.0100	NR	mg/L	1.00	05/24/10 00:44	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:54	MXM	10E1852	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-02RE1 (B-1 - Water)					Sampled: 05/20/10 13:30			Recvd: 05/21/10 08:30		
<u>Total Metals by SW 846 Series Methods</u>										
Mercury	ND		0.0002	NR	mg/L	1.00	05/26/10 13:18	MXM	10E2002	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1104-03 (B-8 - Water)						Sampled: 05/20/10 11:05		Recvd: 05/21/10 08:30		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	L	5.2	0.50	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,4-Dichlorophenol	ND		5.2	0.53	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,4-Dimethylphenol	ND		5.2	0.52	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,4-Dinitrophenol	ND		10	2.3	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2-Chloronaphthalene	ND		5.2	0.48	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2-Chlorophenol	ND		5.2	0.55	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2-Methylnaphthalene	ND		5.2	0.62	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
2-Methylphenol	ND	5.2	0.42	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
2-Nitroaniline	ND	10	0.44	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
2-Nitrophenol	ND	5.2	0.50	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
3,3'-Dichlorobenzidine	ND	5.2	0.42	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
3-Nitroaniline	ND	10	0.50	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4,6-Dinitro-2-methylphenol	ND	10	2.3	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Bromophenyl phenyl ether	ND	5.2	0.47	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Chloro-3-methylphenol	ND	5.2	0.47	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Chloroaniline	ND	5.2	0.61	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Chlorophenyl phenyl ether	ND	5.2	0.36	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Methylphenol	ND	10	0.38	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Nitroaniline	ND	10	0.26	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
4-Nitrophenol	ND	10	1.6	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Acenaphthene	ND	5.2	0.43	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Acenaphthylene	ND	5.2	0.40	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Acetophenone	11	5.2	0.56	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Aniline	ND	10	0.64	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Anthracene	ND	5.2	0.29	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Atrazine	ND	5.2	0.48	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzaldehyde	ND	5.2	0.28	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzo(a)anthracene	ND	5.2	0.38	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzo(a)pyrene	ND	5.2	0.49	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzo(b)fluoranthene	ND	5.2	0.35	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzo(ghi)perylene	ND	5.2	0.36	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Benzo(k)fluoranthene	ND	5.2	0.76	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Biphenyl	ND	5.2	0.68	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Bis(2-chloroethoxy)methane	ND	5.2	0.36	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Bis(2-chloroethyl)ether	ND	5.2	0.42	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
2,2'-Oxybis(1-Chloropropene)	ND	5.2	0.54	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Bis(2-ethylhexyl)phthalate	7.1	5.2	1.9	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Butyl benzyl phthalate	0.84	J	5.2	0.44	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Caprolactam	ND	5.2	2.3	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Carbazole	ND	5.2	0.31	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Chrysene	ND	5.2	0.34	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	
Dibenzo(a,h)anthracene	ND	5.2	0.44	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1104-03 (B-8 - Water) - cont.

Sampled: 05/20/10 11:05

Recvd: 05/21/10 08:30

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND		10	0.53	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Diethyl phthalate	6.6		5.2	0.23	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Dimethyl phthalate	ND		5.2	0.38	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Di-n-butyl phthalate	3.0	J	5.2	0.32	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Di-n-octyl phthalate	ND		5.2	0.49	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Fluoranthene	ND		5.2	0.42	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Fluorene	ND		5.2	0.38	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Hexachlorobenzene	ND		5.2	0.53	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Hexachlorobutadiene	ND		5.2	0.71	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Hexachloroethane	ND		5.2	0.61	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Isophorone	ND		5.2	0.45	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Naphthalene	ND		5.2	0.79	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Nitrobenzene	ND		5.2	0.30	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
N-Nitrosodiphenylamine	ND	L	5.2	0.53	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Pentachlorophenol	ND		10	2.3	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Phenanthrene	ND		5.2	0.46	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Phenol	ND		5.2	0.41	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C
Pyrene	ND		5.2	0.35	ug/L	1.00	05/23/10 20:53	JLG	10E1750	8270C

2,4,6-Tribromophenol	127 %		Surr Limits: (52-132%)				05/23/10 20:53	JLG	10E1750	8270C
2-Fluorobiphenyl	84 %		Surr Limits: (48-120%)				05/23/10 20:53	JLG	10E1750	8270C
2-Fluorophenol	41 %		Surr Limits: (20-120%)				05/23/10 20:53	JLG	10E1750	8270C
Nitrobenzene-d5	70 %		Surr Limits: (46-120%)				05/23/10 20:53	JLG	10E1750	8270C
Phenol-d5	34 %		Surr Limits: (16-120%)				05/23/10 20:53	JLG	10E1750	8270C
p-Terphenyl-d14	64 %		Surr Limits: (24-136%)				05/23/10 20:53	JLG	10E1750	8270C

Dissolved Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Barium	0.0730		0.0020	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Copper	ND		0.0100	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/24/10 14:24	DAN	10E1739	6010B
Zinc	0.0178		0.0100	NR	mg/L	1.00	05/24/10 00:49	LMH	10E1739	6010B
Mercury	ND	P7	0.0002	NR	mg/L	1.00	05/24/10 20:56	MXM	10E1852	7470A

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Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10E1839	RTE1103-01	10.00	g	10.00	g	05/24/10 09:09	JRR	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10E1716	RTE1103-01	30.85	g	1.00	mL	05/21/10 13:00	CXM	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10E1782	RTE1103-01	0.50	g	50.00	mL	05/24/10 10:00	JRK	3050B
7471A	10E1715	RTE1103-01	0.61	g	50.00	mL	05/24/10 13:00	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10E1792	RTE1103-01	6.32	g	5.00	mL	05/22/10 11:41	NMD	5035A MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Dissolved Metals by SW 846 Series Methods									
6010B	10E1739	RTE1104-01	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
6010B	10E1739	RTE1104-02	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
6010B	10E1739	RTE1104-03	50.00	mL	50.00	mL	05/23/10 07:15	KCW	3005A
7470A	10E1852	RTE1104-01	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
7470A	10E1852	RTE1104-02	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
7470A	10E1852	RTE1104-03	30.00	mL	50.00	mL	05/24/10 12:15	MXM	7470A
Semivolatile Organics by GC/MS									
8270C	10E1750	RTE1104-03	960.00	mL	1.00	mL	05/21/10 16:03	LTT	3510C MB
8270C	10E1750	RTE1104-01	1,050.00	mL	1.00	mL	05/21/10 16:03	LTT	3510C MB
8270C	10E1750	RTE1104-02	1,050.00	mL	1.00	mL	05/21/10 16:03	LTT	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10E1779	RTE1104-01	50.00	mL	50.00	mL	05/24/10 08:45	KCW	3005A
6010B	10E1779	RTE1104-02	50.00	mL	50.00	mL	05/24/10 08:45	KCW	3005A
7470A	10E2002	RTE1104-01RE'	30.00	mL	50.00	mL	05/25/10 16:15	MXM	7470A
7470A	10E2002	RTE1104-02RE'	30.00	mL	50.00	mL	05/25/10 16:15	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10E1764	RTE1104-01	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS
8260B	10E1764	RTE1104-02	5.00	mL	5.00	mL	05/21/10 17:47	CDC	5030B MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1764-BLK1, Batch: 10E1764)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichlorotrifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane (EDB)			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone (MEK)			5.0	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone (MIBK)			5.0	2.1	ug/L	ND					
Acetone			5.0	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Chlorodibromomethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 05/21/10 (Lab Number:10E1764-BLK1, Batch: 10E1764)

Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					

Surrogate:					ug/L		90	66-137			
1,2-Dichloroethane-d4											
Surrogate:					ug/L		99	73-120			
4-Bromofluorobenzene											
Surrogate: Toluene-d8					ug/L		109	71-126			

LCS Analyzed: 05/21/10 (Lab Number:10E1764-BS1, Batch: 10E1764)

1,1,1-Trichloroethane	25.0	1.0	0.82	ug/L	26.6	106	73-126				
1,1,2,2-Tetrachloroethane	25.0	1.0	0.21	ug/L	27.5	110	70-126				
1,1,2-Trichloroethane	25.0	1.0	0.23	ug/L	26.4	106	76-122				
1,1,2-Trichlorotrifluoroethane	25.0	1.0	0.31	ug/L	27.2	109	60-140				
1,1-Dichloroethane	25.0	1.0	0.38	ug/L	26.2	105	71-129				
1,1-Dichloroethene	25.0	1.0	0.29	ug/L	27.2	109	65-138				
1,2,4-Trichlorobenzene	25.0	1.0	0.41	ug/L	29.2	117	70-122				
1,2-Dibromo-3-chloropropane	25.0	1.0	0.39	ug/L	24.3	97	56-134				
1,2-Dibromoethane (EDB)	25.0	1.0	0.73	ug/L	26.3	105	77-120				
1,2-Dichlorobenzene	25.0	1.0	0.79	ug/L	27.0	108	77-120				
1,2-Dichloroethane	25.0	1.0	0.21	ug/L	25.3	101	75-127				
1,2-Dichloropropane	25.0	1.0	0.72	ug/L	26.5	106	76-120				
1,3-Dichlorobenzene	25.0	1.0	0.78	ug/L	26.7	107	77-120				
1,4-Dichlorobenzene	25.0	1.0	0.84	ug/L	26.1	105	75-120				
2-Butanone (MEK)	125	5.0	1.3	ug/L	138	110	57-140				
2-Hexanone	125	5.0	1.2	ug/L	142	113	65-127				

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1764-BS1, Batch: 10E1764)											
4-Methyl-2-pentanone (MIBK)		125	5.0	2.1	ug/L	139	111	71-125			
Acetone		125	5.0	3.0	ug/L	129	103	56-142			
Benzene		25.0	1.0	0.41	ug/L	26.3	105	71-124			
Bromodichloromethane		25.0	1.0	0.39	ug/L	25.9	104	80-122			
Bromoform		25.0	1.0	0.26	ug/L	25.2	101	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	26.7	107	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	26.4	106	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	26.5	106	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	26.1	104	72-120			
Chlorodibromomethane		25.0	1.0	0.32	ug/L	27.4	110	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	27.6	110	69-136			
Chloroform		25.0	1.0	0.34	ug/L	25.6	102	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	26.6	106	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	26.4	106	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	26.2	105	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	28.5	114	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	27.5	110	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	27.2	109	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	29.3	117	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	26.2	105	60-140			
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	26.3	105	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	28.9	115	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	27.0	108	57-132			
Styrene		25.0	1.0	0.73	ug/L	26.8	107	70-130			
Tetrachloroethene		25.0	1.0	0.36	ug/L	27.3	109	74-122			
Toluene		25.0	1.0	0.51	ug/L	26.6	106	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	26.1	104	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	26.5	106	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	26.8	107	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	26.6	106	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	28.1	112	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	84.2	112	76-122			
Surrogate:					ug/L		93	66-137			
1,2-Dichloroethane-d4											
Surrogate:					ug/L		105	73-120			
4-Bromofluorobenzene											
Surrogate: Toluene-d8					ug/L		105	71-126			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/22/10 (Lab Number:10E1792-BLK1, Batch: 10E1792)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	4.2					J
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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Project: New York State Project
Project Number: MACTEC-0006

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/22/10 (Lab Number:10E1792-BLK1, Batch: 10E1792)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	10					N1
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	2.0					J
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	72	64-126			
<i>1,2-Dichloroethane-d4</i>						<i>ug/kg wet</i>	109	72-126			
<i>Surrogate:</i>						<i>ug/kg wet</i>					
<i>4-Bromofluorobenzene</i>						<i>ug/kg wet</i>					
<i>Surrogate: Toluene-d8</i>						<i>ug/kg wet</i>	111	71-125			
LCS Analyzed: 05/22/10 (Lab Number:10E1792-BS1, Batch: 10E1792)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	41.6	83	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	49.8	100	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	47.6	95	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	39.4	79	60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	42.0	84	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	36.4	73	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	48.0	96	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	36.3	73	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	48.4	97	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	49.1	98	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	36.2	72	77-122			N1,L2
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	44.2	88	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	50.3	101	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	49.8	100	82-113			
2-Butanone		250	25	1.8	ug/kg wet	228	91	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	242	97	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	239	96	74-128			
Acetone		250	25	4.2	ug/kg wet	197	79	61-137			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/22/10 (Lab Number:10E1792-BS1, Batch: 10E1792)											
Benzene		50.0	5.0	0.24	ug/kg wet	45.7	91	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	35.2	70	80-122			N1,L2
Bromoform		50.0	5.0	2.5	ug/kg wet	31.9	64	68-126			N1,L2
Bromomethane		50.0	5.0	0.45	ug/kg wet	35.5	71	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	36.6	73	64-131			
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	34.6	69	75-128			N1,L2
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	49.4	99	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	35.8	72	76-125			N1,L2
Chloroethane		50.0	5.0	1.1	ug/kg wet	34.9	70	69-136			
Chloroform		50.0	5.0	0.31	ug/kg wet	41.9	84	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	40.2	80	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	44.8	90	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	39.3	79	82-120			N1,L2
Cyclohexane		50.0	5.0	0.70	ug/kg wet	54.6	109	70-130			B
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	37.3	75	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.9	98	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	50.5	101	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	46.1	92	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.2	84	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	49.0	98	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	58.3	117	61-127			B
Styrene		50.0	5.0	0.25	ug/kg wet	49.4	99	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	51.0	102	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	51.6	103	74-128			B
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	45.5	91	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	39.3	79	80-119			N1,L2
Trichloroethene		50.0	5.0	1.1	ug/kg wet	45.4	91	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	37.2	74	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	39.4	79	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	147	98	82-120			
<i>Surrogate:</i>					<i>ug/kg wet</i>		83	64-126			
<i>1,2-Dichloroethane-d4</i>					<i>ug/kg wet</i>		111	72-126			
<i>Surrogate:</i>					<i>ug/kg wet</i>						
<i>4-Bromofluorobenzene</i>					<i>ug/kg wet</i>		112	71-125			
<i>Surrogate: Toluene-d8</i>					<i>ug/kg wet</i>						

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1716-BLK1, Batch: 10E1716)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND					
2,4-Dimethylphenol			170	45	ug/kg wet	ND					
2,4-Dinitrophenol			330	58	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.5	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.1	ug/kg wet	ND					
2-Nitroaniline			330	54	ug/kg wet	ND					
2-Nitrophenol			170	7.6	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND					
4-Methylphenol			330	9.3	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	41	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.6	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.4	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1716-BLK1, Batch: 10E1716)											
Bis(2-chloroethoxy)methane			170	9.1	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	72	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.1	ug/kg wet	ND					
Dimethyl phthalate			170	4.4	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.9	ug/kg wet	ND					
Hexachlorobenzene			170	8.3	ug/kg wet	ND					
Hexachlorobutadiene			170	8.6	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.4	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.4	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND					
Pentachlorophenol			330	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					ug/kg wet		65	39-146			
Surrogate: 2-Fluorobiphenyl					ug/kg wet		70	37-120			
Surrogate: 2-Fluorophenol					ug/kg wet		64	18-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/21/10 (Lab Number:10E1716-BLK1, Batch: 10E1716)											
Surrogate:					ug/kg wet	66		34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet	70		11-120			
Surrogate:					ug/kg wet	83		58-147			
p-Terphenyl-d14											
LCS Analyzed: 05/21/10 (Lab Number:10E1716-BS1, Batch: 10E1716)											
2,4,5-Trichlorophenol		3320	170	37	ug/kg wet	3270	98	59-126			
2,4,6-Trichlorophenol		3320	170	11	ug/kg wet	3160	95	59-123			
2,4-Dichlorophenol		3320	170	8.8	ug/kg wet	2770	83	52-120			
2,4-Dimethylphenol		3320	170	45	ug/kg wet	2740	83	36-120			
2,4-Dinitrophenol		3320	330	59	ug/kg wet	2270	68	35-146			
2,4-Dinitrotoluene		3320	170	26	ug/kg wet	3470	104	55-125			
2,6-Dinitrotoluene		3320	170	41	ug/kg wet	3510	106	66-128			
2-Chloronaphthalene		3320	170	11	ug/kg wet	2860	86	57-120			
2-Chlorophenol		3320	170	8.6	ug/kg wet	2380	72	38-120			
2-Methylnaphthalene		3320	170	2.0	ug/kg wet	2790	84	47-120			
2-Methylphenol		3320	170	5.2	ug/kg wet	2660	80	48-120			
2-Nitroaniline		3320	330	54	ug/kg wet	3510	106	61-130			
2-Nitrophenol		3320	170	7.7	ug/kg wet	2620	79	50-120			
3,3'-Dichlorobenzidine		3320	170	150	ug/kg wet	4570	138	48-126			L1
3-Nitroaniline		3320	330	39	ug/kg wet	3460	104	61-127			
4,6-Dinitro-2-methylphenol		3320	330	58	ug/kg wet	3110	94	49-155			
4-Bromophenyl phenyl ether		3320	170	54	ug/kg wet	3410	103	58-131			
4-Chloro-3-methylphenol		3320	170	6.9	ug/kg wet	3340	100	49-125			
4-Chloroaniline		3320	170	49	ug/kg wet	2920	88	49-120			
4-Chlorophenyl phenyl ether		3320	170	3.6	ug/kg wet	3110	94	63-124			
4-Methylphenol		3320	330	9.4	ug/kg wet	2850	86	50-119			
4-Nitroaniline		3320	330	19	ug/kg wet	3580	108	63-128			
4-Nitrophenol		3320	330	41	ug/kg wet	3140	95	43-137			
Acenaphthene		3320	170	2.0	ug/kg wet	3050	92	53-120			
Acenaphthylene		3320	170	1.4	ug/kg wet	3030	91	58-121			
Acetophenone		3320	170	8.6	ug/kg wet	2540	77	66-120			
Anthracene		3320	170	4.3	ug/kg wet	3380	102	62-129			
Atrazine		3320	170	7.5	ug/kg wet	3700	112	73-133			
Benzaldehyde		3320	170	18	ug/kg wet	2220	67	21-120			
Benzo(a)anthracene		3320	170	2.9	ug/kg wet	3430	103	65-133			
Benzo(a)pyrene		3320	170	4.1	ug/kg wet	3620	109	64-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1716-BS1, Batch: 10E1716)											
Benzo(b)fluoranthene		3320	170	3.3	ug/kg wet	3180	96	64-135			
Benzo(ghi)perylene		3320	170	2.0	ug/kg wet	3620	109	50-152			
Benzo(k)fluoranthene		3320	170	1.9	ug/kg wet	3570	108	58-138			
Biphenyl		3320	170	10	ug/kg wet	2690	81	71-120			
Bis(2-chloroethoxy)methane		3320	170	9.1	ug/kg wet	2380	72	61-133			
Bis(2-chloroethyl)ether		3320	170	15	ug/kg wet	2130	64	45-120			
2,2'-Oxybis(1-Chloropropane)		3320	170	18	ug/kg wet	2330	70	44-120			
Bis(2-ethylhexyl)phthalate		3320	170	54	ug/kg wet	3550	107	61-133			
Butyl benzyl phthalate		3320	170	45	ug/kg wet	3700	111	61-129			
Caprolactam		3320	170	73	ug/kg wet	3530	106	54-133			
Carbazole		3320	170	1.9	ug/kg wet	3450	104	59-129			
Chrysene		3320	170	1.7	ug/kg wet	3460	104	64-131			
Dibenzo(a,h)anthracene		3320	170	2.0	ug/kg wet	3580	108	54-148			
Dibenzofuran		3320	170	1.8	ug/kg wet	3130	94	56-120			
Diethyl phthalate		3320	170	5.1	ug/kg wet	3470	105	66-126			
Dimethyl phthalate		3320	170	4.4	ug/kg wet	3280	99	65-124			
Di-n-butyl phthalate		3320	170	58	ug/kg wet	3560	107	58-130			
Di-n-octyl phthalate		3320	170	3.9	ug/kg wet	3800	114	62-133			
Fluoranthene		3320	170	2.4	ug/kg wet	3320	100	62-131			
Fluorene		3320	170	3.9	ug/kg wet	3220	97	63-126			
Hexachlorobenzene		3320	170	8.4	ug/kg wet	3390	102	60-132			
Hexachlorobutadiene		3320	170	8.6	ug/kg wet	2180	66	45-120			
Hexachlorocyclopentadiene		3320	170	51	ug/kg wet	2020	61	31-120			
Hexachloroethane		3320	170	13	ug/kg wet	2090	63	41-120			
Indeno(1,2,3-cd)pyrene		3320	170	4.7	ug/kg wet	3580	108	56-149			
Isophorone		3320	170	8.4	ug/kg wet	2670	81	56-120			
Naphthalene		3320	170	2.8	ug/kg wet	2450	74	46-120			
Nitrobenzene		3320	170	7.5	ug/kg wet	2430	73	49-120			
N-Nitrosodi-n-propylamine		3320	170	13	ug/kg wet	2700	81	46-120			
N-Nitrosodiphenylamine		3320	170	9.2	ug/kg wet	4100	124	20-119			L1
Pentachlorophenol		3320	330	58	ug/kg wet	3060	92	33-136			
Phenanthrene		3320	170	3.5	ug/kg wet	3390	102	60-130			
Phenol		3320	170	18	ug/kg wet	2590	78	36-120			
Pyrene		3320	170	1.1	ug/kg wet	3370	101	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/21/10 (Lab Number:10E1716-BS1, Batch: 10E1716)											
Surrogate:					ug/kg wet		94	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		80	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		59	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		67	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		71	11-120			
Surrogate:					ug/kg wet		87	58-147			
p-Terphenyl-d14											
LCS Dup Analyzed: 05/21/10 (Lab Number:10E1716-BSD1, Batch: 10E1716)											
2,4,5-Trichlorophenol		3300	170	36	ug/kg wet	3580	108	59-126	9	18	
2,4,6-Trichlorophenol		3300	170	11	ug/kg wet	3590	109	59-123	13	19	
2,4-Dichlorophenol		3300	170	8.8	ug/kg wet	3310	100	52-120	18	19	
2,4-Dimethylphenol		3300	170	45	ug/kg wet	3120	95	36-120	13	42	
2,4-Dinitrophenol		3300	330	58	ug/kg wet	2590	78	35-146	13	22	
2,4-Dinitrotoluene		3300	170	26	ug/kg wet	3820	116	55-125	10	20	
2,6-Dinitrotoluene		3300	170	41	ug/kg wet	3960	120	66-128	12	15	
2-Chloronaphthalene		3300	170	11	ug/kg wet	3310	100	57-120	15	21	
2-Chlorophenol		3300	170	8.5	ug/kg wet	2900	88	38-120	20	25	
2-Methylnaphthalene		3300	170	2.0	ug/kg wet	3250	98	47-120	15	21	
2-Methylphenol		3300	170	5.1	ug/kg wet	3160	96	48-120	17	27	
2-Nitroaniline		3300	330	54	ug/kg wet	3810	115	61-130	8	15	
2-Nitrophenol		3300	170	7.6	ug/kg wet	3190	97	50-120	20	18	R2
3,3'-Dichlorobenzidine		3300	170	150	ug/kg wet	4730	143	48-126	3	25	L1
3-Nitroaniline		3300	330	38	ug/kg wet	3620	110	61-127	4	19	
4,6-Dinitro-2-methylphenol		3300	330	58	ug/kg wet	3510	106	49-155	12	15	
4-Bromophenyl phenyl ether		3300	170	53	ug/kg wet	3650	111	58-131	7	15	
4-Chloro-3-methylphenol		3300	170	6.9	ug/kg wet	3620	110	49-125	8	27	
4-Chloroaniline		3300	170	49	ug/kg wet	3240	98	49-120	10	22	
4-Chlorophenyl phenyl ether		3300	170	3.6	ug/kg wet	3440	104	63-124	10	16	
4-Methylphenol		3300	330	9.3	ug/kg wet	3360	102	50-119	16	24	
4-Nitroaniline		3300	330	19	ug/kg wet	3920	119	63-128	9	24	
4-Nitrophenol		3300	330	40	ug/kg wet	3410	103	43-137	8	25	
Acenaphthene		3300	170	2.0	ug/kg wet	3410	103	53-120	11	35	
Acenaphthylene		3300	170	1.4	ug/kg wet	3390	103	58-121	11	18	
Acetophenone		3300	170	8.6	ug/kg wet	3060	93	66-120	19	20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Dup Analyzed: 05/21/10 (Lab Number:10E1716-BSD1, Batch: 10E1716)											
Anthracene		3300	170	4.3	ug/kg wet	3590	109	62-129	6	15	
Atrazine		3300	170	7.4	ug/kg wet	3960	120	73-133	7	20	
Benzaldehyde		3300	170	18	ug/kg wet	2720	83	21-120	20	20	
Benzo(a)anthracene		3300	170	2.9	ug/kg wet	3650	110	65-133	6	15	
Benzo(a)pyrene		3300	170	4.0	ug/kg wet	3850	117	64-127	6	15	
Benzo(b)fluoranthene		3300	170	3.2	ug/kg wet	3350	102	64-135	5	15	
Benzo(ghi)perylene		3300	170	2.0	ug/kg wet	3840	116	50-152	6	15	
Benzo(k)fluoranthene		3300	170	1.8	ug/kg wet	3800	115	58-138	6	22	
Biphenyl		3300	170	10	ug/kg wet	3070	93	71-120	13	20	
Bis(2-chloroethoxy)methane		3300	170	9.1	ug/kg wet	2860	87	61-133	18	17	R2
Bis(2-chloroethyl)ether		3300	170	14	ug/kg wet	2650	80	45-120	22	21	R2
2,2'-Oxybis(1-Chloropropane)		3300	170	17	ug/kg wet	2800	85	44-120	19	24	
Bis(2-ethylhexyl)phthalate		3300	170	54	ug/kg wet	3750	114	61-133	5	15	
Butyl benzyl phthalate		3300	170	45	ug/kg wet	3920	119	61-129	6	16	
Caprolactam		3300	170	72	ug/kg wet	3830	116	54-133	8	20	
Carbazole		3300	170	1.9	ug/kg wet	3670	111	59-129	6	20	
Chrysene		3300	170	1.7	ug/kg wet	3590	109	64-131	4	15	
Dibenzo(a,h)anthracene		3300	170	2.0	ug/kg wet	3790	115	54-148	6	15	
Dibenzofuran		3300	170	1.7	ug/kg wet	3400	103	56-120	8	15	
Diethyl phthalate		3300	170	5.0	ug/kg wet	3790	115	66-126	9	15	
Dimethyl phthalate		3300	170	4.4	ug/kg wet	3610	109	65-124	10	15	
Di-n-butyl phthalate		3300	170	58	ug/kg wet	3780	115	58-130	6	15	
Di-n-octyl phthalate		3300	170	3.9	ug/kg wet	4070	123	62-133	7	16	
Fluoranthene		3300	170	2.4	ug/kg wet	3540	107	62-131	6	15	
Fluorene		3300	170	3.8	ug/kg wet	3470	105	63-126	7	15	
Hexachlorobenzene		3300	170	8.3	ug/kg wet	3640	110	60-132	7	15	
Hexachlorobutadiene		3300	170	8.5	ug/kg wet	2690	81	45-120	21	44	
Hexachlorocyclopentadiene		3300	170	51	ug/kg wet	2590	79	31-120	25	49	
Hexachloroethane		3300	170	13	ug/kg wet	2660	81	41-120	24	46	
Indeno(1,2,3-cd)pyrene		3300	170	4.6	ug/kg wet	3810	116	56-149	6	15	
Isophorone		3300	170	8.3	ug/kg wet	3070	93	56-120	14	17	
Naphthalene		3300	170	2.8	ug/kg wet	2930	89	46-120	18	29	
Nitrobenzene		3300	170	7.4	ug/kg wet	2890	88	49-120	17	24	
N-Nitrosodi-n-propylamine		3300	170	13	ug/kg wet	3160	96	46-120	16	31	
N-Nitrosodiphenylamine		3300	170	9.1	ug/kg wet	4370	132	20-119	6	15	L1

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

LCS Dup Analyzed: 05/21/10 (Lab Number:10E1716-BSD1, Batch: 10E1716)

Pentachlorophenol		3300	330	57	ug/kg wet	3380	103	33-136	10	35	
Phenanthrene		3300	170	3.5	ug/kg wet	3530	107	60-130	4	15	
Phenol		3300	170	18	ug/kg wet	3070	93	36-120	17	35	
Pyrene		3300	170	1.1	ug/kg wet	3560	108	51-133	6	35	

Surrogate:					ug/kg wet		102	39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet		93	37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet		75	18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet		82	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		85	11-120			
Surrogate:					ug/kg wet		93	58-147			
p-Terphenyl-d14											

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/25/10 (Lab Number:10E1750-BLK1, Batch: 10E1750)

2,4,5-Trichlorophenol			5.0	0.48	ug/L	ND					
2,4,6-Trichlorophenol			5.0	0.61	ug/L	ND					
2,4-Dichlorophenol			5.0	0.51	ug/L	ND					
2,4-Dimethylphenol			5.0	0.50	ug/L	ND					
2,4-Dinitrophenol			10	2.2	ug/L	ND					
2,4-Dinitrotoluene			5.0	0.45	ug/L	ND					
2,6-Dinitrotoluene			5.0	0.40	ug/L	ND					
2-Chloronaphthalene			5.0	0.46	ug/L	ND					
2-Chlorophenol			5.0	0.53	ug/L	ND					
2-Methylnaphthalene			5.0	0.60	ug/L	ND					
2-Methylphenol			5.0	0.40	ug/L	ND					
2-Nitroaniline			10	0.42	ug/L	ND					
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/25/10 (Lab Number:10E1750-BLK1, Batch: 10E1750)											
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					
Bis(2-chloroethoxy)metha ne			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloroprop ane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl) phthalate			5.0	1.8	ug/L	ND					
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	ND					
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					
Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadie ne			5.0	0.59	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/25/10 (Lab Number:10E1750-BLK1, Batch: 10E1750)

Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					

Surrogate:					ug/L		126	52-132			
2,4,6-Tribromophenol					ug/L		86	48-120			
Surrogate:					ug/L		46	20-120			
2-Fluorobiphenyl					ug/L		88	46-120			
Surrogate:					ug/L		33	16-120			
2-Fluorophenol					ug/L		93	24-136			
Surrogate:					ug/L						
Nitrobenzene-d5					ug/L						
Surrogate: Phenol-d5					ug/L						
Surrogate:					ug/L						
p-Terphenyl-d14					ug/L						

Blank Analyzed: 05/23/10 (Lab Number:10E1750-BLK2, Batch: 10E1750)

2,4,5-Trichlorophenol			5.0	0.48	ug/L	ND					
2,4,6-Trichlorophenol			5.0	0.61	ug/L	ND					
2,4-Dichlorophenol			5.0	0.51	ug/L	ND					
2,4-Dimethylphenol			5.0	0.50	ug/L	ND					
2,4-Dinitrophenol			10	2.2	ug/L	ND					
2,4-Dinitrotoluene			5.0	0.45	ug/L	ND					
2,6-Dinitrotoluene			5.0	0.40	ug/L	ND					
2-Chloronaphthalene			5.0	0.46	ug/L	ND					
2-Chlorophenol			5.0	0.53	ug/L	ND					
2-Methylnaphthalene			5.0	0.60	ug/L	ND					
2-Methylphenol			5.0	0.40	ug/L	ND					
2-Nitroaniline			10	0.42	ug/L	ND					
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/23/10 (Lab Number:10E1750-BLK2, Batch: 10E1750)											
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					
Bis(2-chloroethoxy)methane			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl)phthalate			5.0	1.8	ug/L	ND					
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	ND					
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/23/10 (Lab Number:10E1750-BLK2, Batch: 10E1750)

Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadiene			5.0	0.59	ug/L	ND					
Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					

Surrogate:					ug/L		103	52-132			
2,4,6-Tribromophenol											
Surrogate:					ug/L		83	48-120			
2-Fluorobiphenyl											
Surrogate:					ug/L		45	20-120			
2-Fluorophenol											
Surrogate:					ug/L		76	46-120			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/L		35	16-120			
Surrogate:					ug/L		92	24-136			
p-Terphenyl-d14											

LCS Analyzed: 05/25/10 (Lab Number:10E1750-BS1, Batch: 10E1750)

2,4,5-Trichlorophenol	100	5.0	0.48	ug/L	ND		65-126				
2,4,6-Trichlorophenol	100	5.0	0.61	ug/L	ND		64-120				
2,4-Dichlorophenol	100	5.0	0.51	ug/L	ND		64-120				
2,4-Dimethylphenol	100	5.0	0.50	ug/L	ND		57-120				
2,4-Dinitrophenol	100	10	2.2	ug/L	ND		42-153				
2,4-Dinitrotoluene	100	5.0	0.45	ug/L	ND		59-125				
2,6-Dinitrotoluene	100	5.0	0.40	ug/L	ND		74-134				
2-Chloronaphthalene	100	5.0	0.46	ug/L	ND		52-120				
2-Chlorophenol	100	5.0	0.53	ug/L	ND		48-120				
2-Methylnaphthalene	100	5.0	0.60	ug/L	ND		48-120				
2-Methylphenol	100	5.0	0.40	ug/L	ND		39-120				
2-Nitroaniline	100	10	0.42	ug/L	ND		67-136				

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Project: New York State Project
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Reported: 05/26/10 16:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/25/10 (Lab Number:10E1750-BS1, Batch: 10E1750)											
2-Nitrophenol		100	5.0	0.48	ug/L	ND		59-120			
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	ND		33-140			
3-Nitroaniline		100	10	0.48	ug/L	ND		69-129			
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	ND		64-159			
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	ND		71-126			
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	ND		64-120			
4-Chloroaniline		100	5.0	0.59	ug/L	ND		60-124			
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	ND		71-122			
4-Methylphenol		100	10	0.36	ug/L	ND		36-120			
4-Nitroaniline		100	10	0.25	ug/L	ND		64-135			
4-Nitrophenol		100	10	1.5	ug/L	ND		16-120			
Acenaphthene		100	5.0	0.41	ug/L	ND		60-120			
Acenaphthylene		100	5.0	0.38	ug/L	ND		63-120			
Acetophenone		100	5.0	0.54	ug/L	ND		45-120			
Aniline		100	10	0.61	ug/L	ND		37-120			
Anthracene		100	5.0	0.28	ug/L	ND		69-131			
Atrazine		100	5.0	0.46	ug/L	ND		70-129			
Benzaldehyde		100	5.0	0.27	ug/L	ND		30-140			
Benzo(a)anthracene		100	5.0	0.36	ug/L	ND		73-138			
Benzo(a)pyrene		100	5.0	0.47	ug/L	ND		74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	ND		75-133			
Benzo(ghi)perylene		100	5.0	0.35	ug/L	ND		66-152			
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	ND		75-133			
Biphenyl		100	5.0	0.65	ug/L	ND		30-140			
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	ND		62-120			
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	ND		51-120			
2,2'-Oxybis(1-Chloropropene)		100	5.0	0.52	ug/L	ND		47-120			
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	ND		69-136			
Butyl benzyl phthalate		100	5.0	0.42	ug/L	ND		62-149			
Caprolactam		100	5.0	2.2	ug/L	ND		30-140			
Carbazole		100	5.0	0.30	ug/L	ND		68-133			
Chrysene		100	5.0	0.33	ug/L	ND		69-140			
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	ND		67-144			
Dibenzofuran		100	10	0.51	ug/L	ND		66-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

LCS Analyzed: 05/25/10 (Lab Number:10E1750-BS1, Batch: 10E1750)

Diethyl phthalate	100	5.0	0.22	ug/L	ND	78-128
Dimethyl phthalate	100	5.0	0.36	ug/L	ND	73-127
Di-n-butyl phthalate	100	5.0	0.31	ug/L	ND	67-132
Di-n-octyl phthalate	100	5.0	0.47	ug/L	ND	72-145
Fluoranthene	100	5.0	0.40	ug/L	ND	67-133
Fluorene	100	5.0	0.36	ug/L	ND	66-129
Hexachlorobenzene	100	5.0	0.51	ug/L	ND	38-131
Hexachlorobutadiene	100	5.0	0.68	ug/L	ND	30-120
Hexachlorocyclopentadiene	100	5.0	0.59	ug/L	ND	23-120
Hexachloroethane	100	5.0	0.59	ug/L	ND	25-120
Indeno(1,2,3-cd)pyrene	100	5.0	0.47	ug/L	ND	69-146
Isophorone	100	5.0	0.43	ug/L	ND	64-120
Naphthalene	100	5.0	0.76	ug/L	ND	48-120
Nitrobenzene	100	5.0	0.29	ug/L	ND	52-120
N-Nitrosodi-n-propylamine	100	5.0	0.54	ug/L	ND	56-120
N-Nitrosodiphenylamine	100	5.0	0.51	ug/L	ND	25-125
Pentachlorophenol	100	10	2.2	ug/L	ND	39-136
Phenanthrene	100	5.0	0.44	ug/L	ND	67-130
Phenol	100	5.0	0.39	ug/L	ND	17-120
Pyrene	100	5.0	0.34	ug/L	ND	58-136

Surrogate:	ug/L	146	52-132
2,4,6-Tribromophenol	ug/L	94	48-120
Surrogate:	ug/L	47	20-120
2-Fluorobiphenyl	ug/L	98	46-120
Surrogate:	ug/L	33	16-120
2-Fluorophenol	ug/L	108	24-136
Surrogate:			
Nitrobenzene-d5			
Surrogate: Phenol-d5			
Surrogate:			
p-Terphenyl-d14			

LCS Analyzed: 05/23/10 (Lab Number:10E1750-BS2, Batch: 10E1750)

2,4,5-Trichlorophenol	100	5.0	0.48	ug/L	117	117	65-126
2,4,6-Trichlorophenol	100	5.0	0.61	ug/L	112	112	64-120
2,4-Dichlorophenol	100	5.0	0.51	ug/L	102	102	64-120
2,4-Dimethylphenol	100	5.0	0.50	ug/L	91.4	91	57-120
2,4-Dinitrophenol	100	10	2.2	ug/L	120	120	42-153
2,4-Dinitrotoluene	100	5.0	0.45	ug/L	124	124	59-125
2,6-Dinitrotoluene	100	5.0	0.40	ug/L	127	127	74-134

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/23/10 (Lab Number:10E1750-BS2, Batch: 10E1750)											
2-Chloronaphthalene		100	5.0	0.46	ug/L	97.6	98	52-120			
2-Chlorophenol		100	5.0	0.53	ug/L	86.4	86	48-120			
2-Methylnaphthalene		100	5.0	0.60	ug/L	100	100	48-120			
2-Methylphenol		100	5.0	0.40	ug/L	85.6	86	39-120			
2-Nitroaniline		100	10	0.42	ug/L	117	117	67-136			
2-Nitrophenol		100	5.0	0.48	ug/L	103	103	59-120			
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	170	170	33-140			L1,E
3-Nitroaniline		100	10	0.48	ug/L	125	125	69-129			
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	147	147	64-159			
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	117	117	71-126			
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	110	110	64-120			
4-Chloroaniline		100	5.0	0.59	ug/L	112	112	60-124			
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	107	107	71-122			
4-Methylphenol		100	10	0.36	ug/L	83.9	84	36-120			
4-Nitroaniline		100	10	0.25	ug/L	129	129	64-135			
4-Nitrophenol		100	10	1.5	ug/L	48.2	48	16-120			
Acenaphthene		100	5.0	0.41	ug/L	105	105	60-120			
Acenaphthylene		100	5.0	0.38	ug/L	103	103	63-120			
Acetophenone		100	5.0	0.54	ug/L	92.8	93	45-120			
Aniline		100	10	0.61	ug/L	93.6	94	37-120			
Anthracene		100	5.0	0.28	ug/L	112	112	69-131			
Atrazine		100	5.0	0.46	ug/L	121	121	70-129			
Benzaldehyde		100	5.0	0.27	ug/L	92.6	93	30-140			
Benzo(a)anthracene		100	5.0	0.36	ug/L	127	127	73-138			
Benzo(a)pyrene		100	5.0	0.47	ug/L	124	124	74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	112	112	75-133			
Benzo(ghi)perylene		100	5.0	0.35	ug/L	118	118	66-152			
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	116	116	75-133			
Biphenyl		100	5.0	0.65	ug/L	88.6	89	30-140			
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	92.3	92	62-120			
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	84.5	84	51-120			
2,2'-Oxybis(1-Chloropropene)		100	5.0	0.52	ug/L	96.6	97	47-120			
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	121	121	69-136			
Butyl benzyl phthalate		100	5.0	0.42	ug/L	135	135	62-149			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/23/10 (Lab Number:10E1750-BS2, Batch: 10E1750)											
Caprolactam		100	5.0	2.2	ug/L	52.5	52	30-140			
Carbazole		100	5.0	0.30	ug/L	114	114	68-133			
Chrysene		100	5.0	0.33	ug/L	124	124	69-140			
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	109	109	67-144			
Dibenzofuran		100	10	0.51	ug/L	106	106	66-120			
Diethyl phthalate		100	5.0	0.22	ug/L	114	114	78-128			
Dimethyl phthalate		100	5.0	0.36	ug/L	110	110	73-127			
Di-n-butyl phthalate		100	5.0	0.31	ug/L	112	112	67-132			
Di-n-octyl phthalate		100	20	0.47	ug/L	127	127	72-145			
Fluoranthene		100	5.0	0.40	ug/L	109	109	67-133			
Fluorene		100	5.0	0.36	ug/L	108	108	66-129			
Hexachlorobenzene		100	5.0	0.51	ug/L	115	115	38-131			
Hexachlorobutadiene		100	5.0	0.68	ug/L	82.3	82	30-120			
Hexachlorocyclopentadiene		100	5.0	0.59	ug/L	80.8	81	23-120			
Hexachloroethane		100	5.0	0.59	ug/L	75.6	76	25-120			
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	112	112	69-146			
Isophorone		100	5.0	0.43	ug/L	97.4	97	64-120			
Naphthalene		100	5.0	0.76	ug/L	90.4	90	48-120			
Nitrobenzene		100	5.0	0.29	ug/L	90.9	91	52-120			
N-Nitrosodi-n-propylamine		100	5.0	0.54	ug/L	95.3	95	56-120			
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	136	136	25-125			L1
Pentachlorophenol		100	10	2.2	ug/L	136	136	39-136			
Phenanthrene		100	5.0	0.44	ug/L	111	111	67-130			
Phenol		100	5.0	0.39	ug/L	45.2	45	17-120			
Pyrene		100	5.0	0.34	ug/L	132	132	58-136			
Surrogate:					ug/L		117	52-132			
2,4,6-Tribromophenol					ug/L		91	48-120			
Surrogate:					ug/L		46	20-120			
2-Fluorobiphenyl					ug/L		84	46-120			
Surrogate:					ug/L		36	16-120			
2-Fluorophenol					ug/L		109	24-136			
Surrogate:					ug/L						
Nitrobenzene-d5					ug/L						
Surrogate: Phenol-d5					ug/L						
Surrogate:					ug/L						
p-Terphenyl-d14					ug/L						

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LABORATORY QC DATA

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Total Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1715-BLK1, Batch: 10E1715)

Mercury			0.0196	NR	mg/kg wet	ND					

Reference Analyzed: 05/24/10 (Lab Number:10E1715-SRM1, Batch: 10E1715)

Mercury		2.96	0.179	NR	mg/kg wet	2.80	94	67.6-132.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1779-BLK1, Batch: 10E1779)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/24/10 (Lab Number:10E1779-BS1, Batch: 10E1779)

Antimony	0.200	0.0200	NR	mg/L	0.205	102	80-120
Arsenic	0.200	0.0100	NR	mg/L	0.207	103	80-120
Barium	0.200	0.0020	NR	mg/L	0.191	95	80-120
Cadmium	0.200	0.0010	NR	mg/L	0.195	98	80-120
Chromium	0.200	0.0040	NR	mg/L	0.203	101	80-120
Copper	0.200	0.0100	NR	mg/L	0.195	98	80-120
Lead	0.200	0.0050	NR	mg/L	0.199	100	80-120
Nickel	0.200	0.0100	NR	mg/L	0.198	99	80-120
Selenium	0.200	0.0150	NR	mg/L	0.201	101	80-120
Silver	0.0500	0.0030	NR	mg/L	0.0509	102	80-120
Tin	0.200	0.0100	NR	mg/L	0.196	98	80-120
Zinc	0.200	0.0100	NR	mg/L	0.201	100	80-120

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1782-BLK1, Batch: 10E1782)

Antimony			15.0	0.5	mg/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1782-BLK1, Batch: 10E1782)

Arsenic			2.0	NR	mg/kg wet	ND					
Barium			0.500	NR	mg/kg wet	ND					
Cadmium			0.200	NR	mg/kg wet	ND					
Chromium			0.500	NR	mg/kg wet	ND					
Copper			1.0	NR	mg/kg wet	ND					
Lead			1.0	NR	mg/kg wet	ND					
Nickel			5.00	NR	mg/kg wet	ND					
Selenium			4.0	NR	mg/kg wet	ND					
Silver			0.500	NR	mg/kg wet	ND					
Tin			2.0	NR	mg/kg wet	ND					
Zinc			2.0	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/24/10 (Lab Number:10E1782-MS1, Batch: 10E1782)

QC Source Sample: RTE1103-01

Antimony	ND	46.6	17.5	0.6	mg/kg dry	24.9	53	75-125			M1
Arsenic	2.30	46.6	2.3	NR	mg/kg dry	41.9	85	75-125			
Barium	145	46.6	0.582	NR	mg/kg dry	182	79	75-125			
Cadmium	ND	46.6	0.233	NR	mg/kg dry	39.3	84	75-125			
Chromium	20.7	46.6	0.582	NR	mg/kg dry	63.0	91	75-125			
Copper	12.0	46.6	1.2	NR	mg/kg dry	51.4	85	75-125			
Lead	2.89	46.6	1.2	NR	mg/kg dry	43.1	86	75-125			
Nickel	9.70	46.6	5.82	NR	mg/kg dry	50.0	86	75-125			
Selenium	ND	46.6	4.7	NR	mg/kg dry	37.7	81	75-125			
Silver	ND	11.6	0.582	NR	mg/kg dry	10.2	87	75-125			
Tin	0.388	46.6	2.3	NR	mg/kg dry	39.6	84	75-125			
Zinc	22.4	46.6	2.3	NR	mg/kg dry	62.8	87	75-125			

Matrix Spike Dup Analyzed: 05/24/10 (Lab Number:10E1782-MSD1, Batch: 10E1782)

QC Source Sample: RTE1103-01

Antimony	ND	44.6	16.7	0.6	mg/kg dry	20.9	47	75-125	17	20	M1
Arsenic	2.30	44.6	2.2	NR	mg/kg dry	39.7	84	75-125	5	20	
Barium	145	44.6	0.558	NR	mg/kg dry	187	94	75-125	3	20	
Cadmium	ND	44.6	0.223	NR	mg/kg dry	37.2	83	75-125	5	20	
Chromium	20.7	44.6	0.558	NR	mg/kg dry	59.7	87	75-125	5	20	
Copper	12.0	44.6	1.1	NR	mg/kg dry	49.3	84	75-125	4	20	
Lead	2.89	44.6	1.1	NR	mg/kg dry	40.9	85	75-125	5	20	
Nickel	9.70	44.6	5.58	NR	mg/kg dry	47.7	85	75-125	5	20	
Selenium	ND	44.6	4.5	NR	mg/kg dry	35.0	79	75-125	7	20	
Silver	ND	11.2	0.558	NR	mg/kg dry	9.58	86	75-125	6	20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Dup Analyzed: 05/24/10 (Lab Number:10E1782-MSD1, Batch: 10E1782)

QC Source Sample: RTE1103-01

Tin	0.388	44.6	2.2	NR	mg/kg dry	37.5	83	75-125	6	20	
Zinc	22.4	44.6	2.2	NR	mg/kg dry	60.6	86	75-125	4	20	

Reference Analyzed: 05/24/10 (Lab Number:10E1782-SRM1, Batch: 10E1782)

Antimony		103	15.0	0.5	mg/kg wet	53.3	52	25.4-279.6			
Arsenic		107	2.0	NR	mg/kg wet	101	94	69.3-129.9			
Barium		332	0.501	NR	mg/kg wet	327	98	74-126			
Cadmium		244	0.200	NR	mg/kg wet	227	93	73.4-126.2			
Chromium		81.2	0.501	NR	mg/kg wet	76.1	94	68.9-131.5			
Copper		65.1	1.0	NR	mg/kg wet	61.3	94	73-127			
Lead		107	1.0	NR	mg/kg wet	103	96	71.4-129			
Nickel		97.2	5.01	NR	mg/kg wet	94.2	97	72.2-128.1			
Selenium		177	4.0	NR	mg/kg wet	172	97	68.4-132.2			
Silver		46.3	0.501	NR	mg/kg wet	46.1	100	66.2-133.5			
Tin		183	2.0	NR	mg/kg wet	158	86	60.7-138.8			
Zinc		379	2.0	NR	mg/kg wet	356	94	72.5-127.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/26/10 (Lab Number:10E2002-BLK1, Batch: 10E2002)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/26/10 (Lab Number:10E2002-BS1, Batch: 10E2002)

Mercury		0.00667	0.0002	NR	mg/L	0.00687	103	80-120			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1103
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/21/10
Reported: 05/26/10 16:27

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/23/10 (Lab Number:10E1739-BLK1, Batch: 10E1739)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/23/10 (Lab Number:10E1739-BS1, Batch: 10E1739)

Antimony	0.200	0.0200	NR	mg/L	0.207	103	80-120				
Arsenic	0.200	0.0100	NR	mg/L	0.210	105	80-120				
Barium	0.200	0.0020	NR	mg/L	0.193	97	80-120				
Cadmium	0.200	0.0010	NR	mg/L	0.205	102	80-120				
Chromium	0.200	0.0040	NR	mg/L	0.209	104	80-120				
Copper	0.200	0.0100	NR	mg/L	0.195	98	80-120				
Lead	0.200	0.0050	NR	mg/L	0.209	105	80-120				
Nickel	0.200	0.0100	NR	mg/L	0.207	103	80-120				
Selenium	0.200	0.0150	NR	mg/L	0.209	104	80-120				
Silver	0.0500	0.0030	NR	mg/L	0.0530	106	80-120				
Tin	0.200	0.0100	NR	mg/L	0.205	102	80-120				
Zinc	0.200	0.0100	NR	mg/L	0.216	108	80-120				

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/24/10 (Lab Number:10E1852-BLK1, Batch: 10E1852)

Mercury			0.0002	NR	mg/L	ND					P7

LCS Analyzed: 05/24/10 (Lab Number:10E1852-BS1, Batch: 10E1852)

Mercury	0.00667	0.0002	NR	mg/L	0.00650	98	80-120				P7

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-110071

Client

Maetec Engineering & Consulting

Project Manager

Scott Keesling

Date

5/30/10

Chain of Custody Number

139913

Address

3200 Town Point Dr. NW, Suite 100
770-421-3441

Lab Number

5/30/10

Page 1 of 1

City

Kennesaw

State

GA

Zip Code

30144

Site Contact

Rick Wilk

Lab Contact

Brian Fischer

Project Name and Location (State)

Project Yankee - Confidential NY State Project

CFed-ex

Containers & Preservatives

VOL 8260

Metals (soil)

Total Metals

Dissolved Metals

Special Instructions/
Conditions of Receipt

Contract/Purchase Order/Quote No.

Quote # 48002071-2 P.O. # 201006714

Sample ID, No. and Description
(Containers for each sample may be combined on one line)

B-2

B-1

B-8

B-22021

Date

Time

Ac

Sample

Soil

Imps

Pres

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

HC

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____ Months (larger than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 3 Day TAT

1. Requested By

Rick Wilk

Date

5/30/10

Time

18:00

Received By

Per Quote

Date

5/31/10

Time

0830

3. Relinquished By

Date

Time

Received By

Date

Time

2.400

Date

Time

2.400

Date

Time

2.400

Date

Time

Comments

Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, Se, Cu, Ni, Sb, Zn, Sul) Custody Seal 617698

DISTRIBUTION: With returned to Client with Report, CANNOT SKIPS with the Sample, Print, Hand Copy

Disolved metals
need laboratory
filtration and
preservation

Chain of Custody Record

Temperature on Receipt

TestAmerica

Drinking Water? Yes ☐ No ☒

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1/007)

City

Project Manager

Date

Chain of Custody Number

Project Name and Location (State)
Maeter Engineering & Consulting
3200 Town Point Dr. NW, Suite 100
GA 30144

Telephone Number (Area Code)/Fax Number
770-421-3441

Lab Number

Page 1 of 1

City

State

Site Contact

Lab Contact

Analysis (Attach list if more than one is needed)

Kennesaw

GA

Rick Wlodek

Brian Fisher

5/20/10

139913

Project Name and Location (State)
Project Kankes

Confidential NY State Project

EFSD - ex

8260

8270

Contract/Purchase Order/Quote No

Quote # 48002071-2

P.O.# 301006714

Matrix

8260

8270

Sample I.D. No and Description
 (Containers for each sample may be contained on one line)

Date

Time

Lab Number

Analysis (Attach list if more than one is needed)

Special Instructions/Conditions of Receipt

E 1

5/20/10

15:00

21113

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

E 2

5/20/10

13:30

21113

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XX

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R 9

5/20/10

11:05

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B-22021

5/20/10

9:00

13

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XX

XX

XX

XX

Disolved metals

Need laboratory

filtration and

preservation

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

Prescribed Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return to Client ☒ Dispose by Lab ☐ Archive For

QC Requirements (Specify)

Per Quote

1

1

1

1

1

Turn Around Time Requested

☐ 24 hours ☐ 48 hours ☐ 7 Days ☐ 14 Days ☐ 21 Days

☒ Over 30 Days

7 Day

Per Quote

1

1

1

1

1

1

1. Requested By

Rick Wlodek

5/20/10

18:00

1

1

1

1

1

1

1

2. Requested By

Rick Wlodek

5/20/10

18:00

1

1

1

1

1

1

1

3. Requested By

Rick Wlodek

5/20/10

18:00

1

1

1

1

1

1

1

Comments

Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, Se, Cu, Ni, Sb, Zn, Sn)

1

1

1

1

1

1

1

1

1

DISTRIBUTION:

1

1

1

1

1

1

1

1

1

1

Analytical Report

SDG Number: RTE1214

Project Description(s)

Work Order RTE1214 - New York State Project

Work Order RTE1215 - New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, May 28, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

This analyte exceeded the Method 8260 quality control limits for the Matrix Spike Blank. This analyte was not detected in any of the associated samples and a reporting limit standard was analyzed to demonstrate that the laboratory can still support the non-detects at the reporting limit. No further corrective action was performed.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
D02	Dilution required due to sample matrix effects
D12	Dilution required due to sample viscosity
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M11	The MS and/or MSD were above the acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
N1	See case narrative.
P7	Sample filtered in lab.
R2	The RPD exceeded the acceptance limit.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-30001 (RTE1215-08 - Solid)

Sampled: 05/24/10 15:55

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B

Cyclohexane	3.6	J	6.1	0.85	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Methylene Chloride	5.0	J, B	6.1	2.8	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

Benzo(a)anthracene	41	J	190	3.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(a)pyrene	53	L, J	190	4.5	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(b)fluoranthene	59	J	190	3.6	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(ghi)perylene	46	J	190	2.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(k)fluoranthene	24	J	190	2.1	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Chrysene	50	J	190	1.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Fluoranthene	86	J	190	2.7	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	35	J	190	5.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Phenanthrene	33	J	190	3.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Pyrene	76	J	190	1.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Arsenic	2.7		2.4	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Barium	52.3		0.594	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Chromium	11.7		0.594	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Copper	14.0		1.2	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Lead	12.7		1.2	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Nickel	14.8		5.94	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Zinc	32.1		2.4	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Mercury	0.0293		0.0218	NR	mg/kg dry	1.00	05/26/10 15:36	MXM	10E2035	7471A

General Chemistry Parameters

Percent Solids	90		0.010	NR	%	1.00	05/26/10 10:45	JR	10E2004	Dry Weight

Client ID: B-32122 (RTE1215-09 - Solid)

Sampled: 05/24/10 19:00

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B

Cyclohexane	3.5	J	5.4	0.76	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Methylene Chloride	7.0	B	5.4	2.5	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

Bis(2-ethylhexyl) phthalate	79	J	180	57	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Arsenic	3.6		2.2	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Barium	61.8		0.550	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Chromium	16.8		0.550	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Copper	2.6		1.1	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Lead	8.0		1.1	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Nickel	24.1		5.50	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Zinc	67.9		2.2	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B

General Chemistry Parameters

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-32122 (RTE1215-09 - Solid) - cont.						Sampled: 05/24/10 19:00		Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters - cont.</u>										
Percent Solids	94		0.010	NR	%	1.00	05/26/10 10:47	JR	10E2004	Dry Weight
Client ID: B-40001 (RTE1215-01 - Solid)						Sampled: 05/24/10 11:20		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Cyclohexane	2.7	J	5.8	0.81	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Methylene Chloride	6.8	B	5.8	2.6	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(a)anthracene	130	D12,J	940	16	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(a)pyrene	150	D12,L, J	940	23	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(b)fluoranthene	180	D12,J	940	18	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(ghi)perylene	130	D12,J	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(k)fluoranthene	89	D12,J	940	10	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Chrysene	160	D12,J	940	9.4	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Fluoranthene	250	D12,J	940	14	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	100	D12,J	940	26	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Phenanthrene	93	D12,J	940	20	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Pyrene	210	D12,J	940	6.1	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Arsenic	2.9		2.4	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Barium	49.2		0.606	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Chromium	10.6		0.606	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Copper	14.7		1.2	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Lead	21.8		1.2	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Nickel	10.2		6.06	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Zinc	38.1		2.4	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Mercury	0.0556		0.0232	NR	mg/kg dry	1.00	05/26/10 16:00	MXM	10E2035	7471A
<u>General Chemistry Parameters</u>										
Percent Solids	88		0.010	NR	%	1.00	05/26/10 10:35	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-41112 (RTE1215-02 - Solid)						Sampled: 05/24/10 12:45		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
2-Butanone	6.9	J	27	2.0	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Acetone	46		27	4.5	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Cyclohexane	3.5	J	5.3	0.75	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Methylene Chloride	7.5	B	5.3	2.5	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
<u>Semivolatile Organics by GC/MS</u>										
Benzo(b)fluoranthene	70	D12,J	920	18	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Fluoranthene	110	D12,J	920	13	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Pyrene	97	D12,J	920	5.9	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Arsenic	2.1		2.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Barium	48.7		0.509	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Chromium	14.6		0.509	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Copper	84.5		1.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Lead	7.8		1.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Nickel	12.5		5.09	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Zinc	38.9		2.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	91		0.010	NR	%	1.00	05/26/10 10:37	JR	10E2004	Dry Weight
Client ID: B-4 (RTE1214-01 - Water)						Sampled: 05/24/10 16:10		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	5.0		5.0	3.0	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Benzene	7.9		1.0	0.41	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chloroform	0.84	J	1.0	0.34	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Toluene	6.5		1.0	0.51	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Xylenes, total	4.2		2.0	0.66	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
<u>Semivolatile Organics by GC/MS</u>										
Di-n-butyl phthalate	0.61	J, B	4.8	0.30	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	1.70		0.0020	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Chromium	0.0150		0.0040	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Copper	0.0208		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Nickel	0.0662		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Zinc	0.0437		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.509	P7	0.0020	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Nickel	0.0136	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-50005 DUP (RTE1215-07 - Solid)

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B

2-Butanone	4.7	J	22	1.6	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Acetone	20	J	22	3.8	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Cyclohexane	2.8	J	4.5	0.63	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Methylene Chloride	5.4	B	4.5	2.1	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

Benzo(a)anthracene	27	J	180	3.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(a)pyrene	33	L, J	180	4.4	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(b)fluoranthene	37	J	180	3.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(ghi)perylene	29	J	180	2.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(k)fluoranthene	13	J	180	2.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Chrysene	26	J	180	1.8	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Di-n-butyl phthalate	80	J	180	63	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Fluoranthene	54	J	180	2.6	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	22	J	180	5.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Phenanthrene	25	J	180	3.8	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Pyrene	42	J	180	1.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Barium	55.7		0.584	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Chromium	4.72		0.584	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Copper	105		1.2	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Lead	5.5		1.2	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Nickel	11.6		5.84	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Zinc	36.5		2.3	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B

General Chemistry Parameters

Percent Solids	92		0.010	NR	%	1.00	05/26/10 10:43	JR	10E2004	Dry Weight

Client ID: B-50005 (RTE1215-04 - Solid)

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B

2-Butanone	2.6	J	22	1.6	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Acetone	15	J	22	3.8	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Cyclohexane	2.6	J	4.5	0.63	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Methylene Chloride	5.9	B	4.5	2.1	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

Benzo(a)anthracene	21	J	190	3.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(a)pyrene	26	L, J	190	4.5	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(b)fluoranthene	31	J	190	3.6	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(ghi)perylene	22	J	190	2.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(k)fluoranthene	13	J	190	2.0	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Chrysene	23	J	190	1.8	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Fluoranthene	43	J	190	2.7	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	18	J	190	5.1	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Phenanthrene	19	J	190	3.9	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Pyrene	36	J	190	1.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-50005 (RTE1215-04 - Solid) - cont.						Sampled: 05/24/10 08:50		Recvd: 05/25/10 08:30		
<u>Total Metals by SW 846 Series Methods</u>										
Barium	52.7		0.565	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Chromium	6.13		0.565	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Copper	119		1.1	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Lead	6.1		1.1	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Nickel	11.9		5.65	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Zinc	41.0		2.3	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	90		0.010	NR	%	1.00	05/26/10 10:41	JR	10E2004	Dry Weight
Client ID: B-52526 (RTE1215-03 - Solid)						Sampled: 05/24/10 10:20		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Cyclohexane	2.8	J	6.0	0.84	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Methylene Chloride	7.7	B	6.0	2.8	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	28.1		0.546	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Chromium	3.62		0.546	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Copper	5.0		1.1	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Lead	1.9		1.1	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Zinc	11.0		2.2	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/26/10 10:39	JR	10E2004	Dry Weight
Client ID: B-5 (RTE1214-02 - Water)						Sampled: 05/24/10 12:15		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	1.7		1.0	0.41	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chloroform	4.9		1.0	0.34	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Toluene	1.6		1.0	0.51	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Xylenes, total	0.69	J	2.0	0.66	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
<u>Semivolatile Organics by GC/MS</u>										
Di-n-butyl phthalate	0.62	J, B	4.7	0.29	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
<u>Total Metals by SW 846 Series Methods</u>										
Barium	1.00		0.0020	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Chromium	0.0273		0.0040	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Copper	0.0692		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Lead	0.0155		0.0050	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Nickel	0.0395		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Zinc	0.170		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.428	P7	0.0020	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Zinc	0.0256	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-30001	RTE1215-08	Solid	05/24/10 15:55	05/25/10 08:30	
B-32122	RTE1215-09	Solid	05/24/10 19:00	05/25/10 08:30	
B-40001	RTE1215-01	Solid	05/24/10 11:20	05/25/10 08:30	
B-41112	RTE1215-02	Solid	05/24/10 12:45	05/25/10 08:30	
B-4	RTE1214-01	Water	05/24/10 16:10	05/25/10 08:30	
B-50005 DUP	RTE1215-07	Solid	05/24/10 08:50	05/25/10 08:30	
B-50005	RTE1215-04	Solid	05/24/10 08:50	05/25/10 08:30	
B-52526	RTE1215-03	Solid	05/24/10 10:20	05/25/10 08:30	
B-5	RTE1214-02	Water	05/24/10 12:15	05/25/10 08:30	

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3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-30001 (RTE1215-08 - Solid)						Sampled: 05/24/10 15:55		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		6.1	0.44	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		6.1	0.99	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		6.1	0.79	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.4	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,1-Dichloroethane	ND		6.1	0.74	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,1-Dichloroethene	ND		6.1	0.75	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		6.1	0.37	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		6.1	3.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dibromoethane	ND		6.1	0.78	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		6.1	0.48	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dichloroethane	ND		6.1	0.31	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dichloropropane	ND		6.1	3.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		6.1	0.31	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		6.1	0.85	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
2-Butanone	ND		30	2.2	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		30	2.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Acetone	ND		30	5.1	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Benzene	ND		6.1	0.30	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Bromodichloromethane	ND		6.1	0.82	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Bromoform	ND		6.1	3.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Bromomethane	ND		6.1	0.55	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Carbon disulfide	ND		6.1	3.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Carbon Tetrachloride	ND		6.1	0.59	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Chlorobenzene	ND		6.1	0.80	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Dibromochloromethane	ND		6.1	0.78	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Chloroethane	ND		6.1	1.4	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Chloroform	ND		6.1	0.38	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Chloromethane	ND		6.1	0.37	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		6.1	0.78	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		6.1	0.88	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Cyclohexane	3.6	J	6.1	0.85	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		6.1	0.50	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Ethylbenzene	ND		6.1	0.42	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Isopropylbenzene	ND		6.1	0.92	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Methyl Acetate	ND		6.1	1.1	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		6.1	0.60	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Methylcyclohexane	ND		6.1	0.93	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Methylene Chloride	5.0	J, B	6.1	2.8	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Styrene	ND		6.1	0.30	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Tetrachloroethene	ND		6.1	0.82	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Toluene	ND		6.1	0.46	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		6.1	0.63	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Trichloroethene	ND		6.1	1.3	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Trichlorofluoromethane	ND		6.1	0.58	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
Vinyl chloride	ND		6.1	0.74	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-30001 (RTE1215-08 - Solid) - cont.

Sampled: 05/24/10 15:55

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		12	1.0	ug/kg dry	1.00	05/25/10 21:25	PQ	10E1995	8260B
1,2-Dichloroethane-d4	86 %		Surr Limits: (64-126%)				05/25/10 21:25	PQ	10E1995	8260B
4-Bromofluorobenzene	106 %		Surr Limits: (72-126%)				05/25/10 21:25	PQ	10E1995	8260B
Toluene-d8	102 %		Surr Limits: (71-125%)				05/25/10 21:25	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		190	41	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,4-Dichlorophenol	ND		190	9.8	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,4-Dimethylphenol	ND		190	51	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,4-Dinitrophenol	ND		370	65	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND		190	46	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Chloronaphthalene	ND		190	13	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Chlorophenol	ND		190	9.5	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Methylnaphthalene	ND		190	2.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Methylphenol	ND		190	5.8	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Nitroaniline	ND		370	60	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2-Nitrophenol	ND		190	8.6	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	L	190	160	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
3-Nitroaniline	ND		370	43	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND		370	65	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND		190	60	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND		190	7.7	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Chloroaniline	ND		190	55	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND		190	4.0	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Methylphenol	ND		370	10	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Nitroaniline	ND		370	21	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
4-Nitrophenol	ND		370	45	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Acetophenone	ND		190	9.6	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Anthracene	ND		190	4.8	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Atrazine	ND		190	8.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzaldehyde	ND		190	21	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(a)anthracene	41	J	190	3.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(a)pyrene	53	L, J	190	4.5	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(b)fluoranthene	59	J	190	3.6	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(ghi)perylene	46	J	190	2.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Benzo(k)fluoranthene	24	J	190	2.1	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		190	20	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND		190	60	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-30001 (RTE1215-08 - Solid) - cont.

Sampled: 05/24/10 15:55

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Caprolactam	ND		190	81	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Carbazole	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Chrysene	50	J	190	1.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Diethyl phthalate	ND		190	5.7	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Dimethyl phthalate	ND		190	4.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Di-n-butyl phthalate	ND		190	65	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Di-n-octyl phthalate	ND		190	4.4	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Fluoranthene	86	J	190	2.7	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Hexachlorobenzene	ND		190	9.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Hexachlorobutadiene	ND		190	9.6	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND		190	57	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	35	J	190	5.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Isophorone	ND		190	9.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Nitrobenzene	ND		190	8.3	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	L	190	10	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Pentachlorophenol	ND		370	64	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Phenanthrene	33	J	190	3.9	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Phenol	ND		190	20	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C
Pyrene	76	J	190	1.2	ug/kg dry	1.00	05/27/10 23:58	MKP	10E1965	8270C

2,4,6-Tribromophenol	75 %	Surr Limits: (39-146%)					05/27/10 23:58	MKP	10E1965	8270C
2-Fluorobiphenyl	68 %	Surr Limits: (37-120%)					05/27/10 23:58	MKP	10E1965	8270C
2-Fluorophenol	55 %	Surr Limits: (18-120%)					05/27/10 23:58	MKP	10E1965	8270C
Nitrobenzene-d5	57 %	Surr Limits: (34-132%)					05/27/10 23:58	MKP	10E1965	8270C
Phenol-d5	62 %	Surr Limits: (11-120%)					05/27/10 23:58	MKP	10E1965	8270C
p-Terphenyl-d14	68 %	Surr Limits: (58-147%)					05/27/10 23:58	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	17.8	0.6	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Arsenic	2.7	2.4	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Barium	52.3	0.594	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Cadmium	ND	0.238	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Chromium	11.7	0.594	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Copper	14.0	1.2	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Lead	12.7	1.2	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Nickel	14.8	5.94	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Selenium	ND	4.8	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Silver	ND	0.594	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Tin	ND	2.4	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Zinc	32.1	2.4	NR	mg/kg dry	1.00	05/27/10 01:33	DAN	10E2078	6010B
Mercury	0.0293	0.0218	NR	mg/kg dry	1.00	05/26/10 15:36	MXM	10E2035	7471A

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3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-30001 (RTE1215-08 - Solid) - cont.					Sampled: 05/24/10 15:55			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	90		0.010	NR	%	1.00	05/26/10 10:45	JR	10E2004	Dry Weight

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Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-32122 (RTE1215-09 - Solid)						Sampled: 05/24/10 19:00		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		5.4	0.70	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,1-Dichloroethane	ND		5.4	0.66	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		5.4	2.7	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dibromoethane	ND		5.4	0.70	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		5.4	0.42	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dichloropropane	ND		5.4	2.7	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		5.4	0.28	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
2-Butanone	ND		27	2.0	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Acetone	ND		27	4.6	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Benzene	ND		5.4	0.27	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Bromodichloromethane	ND		5.4	0.73	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Bromoform	ND		5.4	2.7	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Carbon disulfide	ND		5.4	2.7	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Carbon Tetrachloride	ND		5.4	0.52	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Chlorobenzene	ND		5.4	0.72	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Dibromochloromethane	ND		5.4	0.69	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Chloroethane	ND		5.4	1.2	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Chloroform	ND		5.4	0.34	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Chloromethane	ND		5.4	0.33	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Cyclohexane	3.5	J	5.4	0.76	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Isopropylbenzene	ND		5.4	0.82	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Methyl Acetate	ND		5.4	1.0	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.53	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Methylcyclohexane	ND		5.4	0.82	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Methylene Chloride	7.0	B	5.4	2.5	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Tetrachloroethene	ND		5.4	0.73	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Toluene	ND		5.4	0.41	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Trichloroethene	ND		5.4	1.2	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Trichlorofluoromethane	ND		5.4	0.51	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
Vinyl chloride	ND		5.4	0.66	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-32122 (RTE1215-09 - Solid) - cont.

Sampled: 05/24/10 19:00

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		11	0.91	ug/kg dry	1.00	05/25/10 21:51	PQ	10E1995	8260B
1,2-Dichloroethane-d4	96 %		Surr Limits: (64-126%)				05/25/10 21:51	PQ	10E1995	8260B
4-Bromofluorobenzene	115 %		Surr Limits: (72-126%)				05/25/10 21:51	PQ	10E1995	8260B
Toluene-d8	112 %		Surr Limits: (71-125%)				05/25/10 21:51	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		180	39	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4-Dichlorophenol	ND		180	9.3	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4-Dimethylphenol	ND		180	48	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4-Dinitrophenol	ND		350	62	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND		180	27	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND		180	43	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Chlorophenol	ND		180	9.0	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Methylnaphthalene	ND		180	2.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Methylphenol	ND		180	5.4	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Nitroaniline	ND		350	57	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2-Nitrophenol	ND		180	8.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	L	180	160	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
3-Nitroaniline	ND		350	41	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND		350	61	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND		180	56	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND		180	7.3	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Chloroaniline	ND		180	52	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND		180	3.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Methylphenol	ND		350	9.9	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Nitroaniline	ND		350	20	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
4-Nitrophenol	ND		350	43	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Acenaphthylene	ND		180	1.4	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Acetophenone	ND		180	9.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Anthracene	ND		180	4.5	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Atrazine	ND		180	7.9	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzaldehyde	ND		180	19	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzo(a)anthracene	ND		180	3.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzo(a)pyrene	ND	L	180	4.3	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzo(b)fluoranthene	ND		180	3.4	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzo(ghi)perylene	ND		180	2.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Benzo(k)fluoranthene	ND		180	1.9	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND		180	9.6	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND		180	15	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropane)	ND		180	18	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	79	J	180	57	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-32122 (RTE1215-09 - Solid) - cont.

Sampled: 05/24/10 19:00

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		180	48	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Caprolactam	ND		180	77	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Carbazole	ND		180	2.0	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Chrysene	ND		180	1.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Dibenzofuran	ND		180	1.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Diethyl phthalate	ND		180	5.3	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Dimethyl phthalate	ND		180	4.6	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Di-n-butyl phthalate	ND		180	61	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Di-n-octyl phthalate	ND		180	4.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Fluoranthene	ND		180	2.6	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Fluorene	ND		180	4.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Hexachlorobenzene	ND		180	8.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Hexachlorobutadiene	ND		180	9.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND		180	54	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	ND		180	4.9	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Isophorone	ND		180	8.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Naphthalene	ND		180	2.9	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Nitrobenzene	ND		180	7.8	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	L	180	9.7	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Pentachlorophenol	ND		350	61	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Phenanthrene	ND		180	3.7	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Phenol	ND		180	19	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
Pyrene	ND		180	1.1	ug/kg dry	1.00	05/27/10 01:13	MKP	10E1965	8270C
2,4,6-Tribromophenol	80 %		Surr Limits: (39-146%)				05/27/10 01:13	MKP	10E1965	8270C
2-Fluorobiphenyl	74 %		Surr Limits: (37-120%)				05/27/10 01:13	MKP	10E1965	8270C
2-Fluorophenol	63 %		Surr Limits: (18-120%)				05/27/10 01:13	MKP	10E1965	8270C
Nitrobenzene-d5	62 %		Surr Limits: (34-132%)				05/27/10 01:13	MKP	10E1965	8270C
Phenol-d5	70 %		Surr Limits: (11-120%)				05/27/10 01:13	MKP	10E1965	8270C
p-Terphenyl-d14	76 %		Surr Limits: (58-147%)				05/27/10 01:13	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		16.5	0.6	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Arsenic	3.6		2.2	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Barium	61.8		0.550	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Cadmium	ND		0.220	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Chromium	16.8		0.550	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Copper	2.6		1.1	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Lead	8.0		1.1	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Nickel	24.1		5.50	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Silver	ND		0.550	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Tin	ND		2.2	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Zinc	67.9		2.2	NR	mg/kg dry	1.00	05/27/10 01:38	DAN	10E2078	6010B
Mercury	ND		0.0216	NR	mg/kg dry	1.00	05/26/10 15:42	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

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Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-32122 (RTE1215-09 - Solid) - cont.					Sampled: 05/24/10 19:00			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	94		0.010	NR	%	1.00	05/26/10 10:47	JR	10E2004	Dry Weight

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-40001 (RTE1215-01 - Solid)						Sampled: 05/24/10 11:20		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.8	0.42	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		5.8	0.93	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		5.8	0.75	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,1-Dichloroethane	ND		5.8	0.70	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,1-Dichloroethene	ND		5.8	0.70	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		5.8	2.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dibromoethane	ND		5.8	0.74	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		5.8	0.45	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dichloroethane	ND		5.8	0.29	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dichloropropane	ND		5.8	2.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		5.8	0.30	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		5.8	0.81	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
2-Butanone	ND		29	2.1	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
2-Hexanone	ND		29	2.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		29	1.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Acetone	ND		29	4.8	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Benzene	ND		5.8	0.28	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Bromodichloromethane	ND		5.8	0.77	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Bromoform	ND		5.8	2.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Bromomethane	ND		5.8	0.52	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Carbon disulfide	ND		5.8	2.9	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Carbon Tetrachloride	ND		5.8	0.56	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Chlorobenzene	ND		5.8	0.76	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Dibromochloromethane	ND		5.8	0.74	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Chloroethane	ND		5.8	1.3	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Chloroform	ND		5.8	0.36	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Chloromethane	ND		5.8	0.35	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Cyclohexane	2.7	J	5.8	0.81	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		5.8	0.48	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Ethylbenzene	ND		5.8	0.40	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Isopropylbenzene	ND		5.8	0.87	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Methyl Acetate	ND		5.8	1.1	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.8	0.56	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Methylcyclohexane	ND		5.8	0.87	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Methylene Chloride	6.8	B	5.8	2.6	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Styrene	ND		5.8	0.29	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Tetrachloroethene	ND		5.8	0.77	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Toluene	ND		5.8	0.43	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		5.8	0.59	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Trichloroethene	ND		5.8	1.3	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Trichlorofluoromethane	ND		5.8	0.54	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
Vinyl chloride	ND		5.8	0.70	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-40001 (RTE1215-01 - Solid) - cont.

Sampled: 05/24/10 11:20

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		12	0.97	ug/kg dry	1.00	05/25/10 18:26	PQ	10E1995	8260B
1,2-Dichloroethane-d4	87 %		Surr Limits: (64-126%)				05/25/10 18:26	PQ	10E1995	8260B
4-Bromofluorobenzene	107 %		Surr Limits: (72-126%)				05/25/10 18:26	PQ	10E1995	8260B
Toluene-d8	103 %		Surr Limits: (71-125%)				05/25/10 18:26	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND	D12	940	200	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND	D12	940	62	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,4-Dichlorophenol	ND	D12	940	49	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,4-Dimethylphenol	ND	D12	940	250	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,4-Dinitrophenol	ND	D12	1800	330	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND	D12	940	150	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND	D12	940	230	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Chloronaphthalene	ND	D12	940	63	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Chlorophenol	ND	D12	940	48	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Methylnaphthalene	ND	D12	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Methylphenol	ND	D12	940	29	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Nitroaniline	ND	D12	1800	300	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2-Nitrophenol	ND	D12	940	43	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	D12,L	940	820	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
3-Nitroaniline	ND	D12	1800	220	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND	D12	1800	320	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND	D12	940	300	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND	D12	940	39	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Chloroaniline	ND	D12	940	280	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND	D12	940	20	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Methylphenol	ND	D12	1800	52	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Nitroaniline	ND	D12	1800	100	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
4-Nitrophenol	ND	D12	1800	230	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Acenaphthene	ND	D12	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Acenaphthylene	ND	D12	940	7.7	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Acetophenone	ND	D12	940	48	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Anthracene	ND	D12	940	24	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Atrazine	ND	D12	940	42	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzaldehyde	ND	D12	940	100	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(a)anthracene	130	D12,J	940	16	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(a)pyrene	150	D12,L, J	940	23	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(b)fluoranthene	180	D12,J	940	18	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(ghi)perylene	130	D12,J	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Benzo(k)fluoranthene	89	D12,J	940	10	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Biphenyl	ND	D12	940	58	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND	D12	940	51	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND	D12	940	81	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND	D12	940	98	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	940	300	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-40001 (RTE1215-01 - Solid) - cont.

Sampled: 05/24/10 11:20

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	D12	940	250	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Caprolactam	ND	D12	940	410	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Carbazole	ND	D12	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Chrysene	160	D12,J	940	9.4	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND	D12	940	11	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Dibenzofuran	ND	D12	940	9.8	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Diethyl phthalate	ND	D12	940	28	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Dimethyl phthalate	ND	D12	940	24	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Di-n-butyl phthalate	ND	D12	940	320	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Di-n-octyl phthalate	ND	D12	940	22	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Fluoranthene	250	D12,J	940	14	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Fluorene	ND	D12	940	22	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Hexachlorobenzene	ND	D12	940	47	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Hexachlorobutadiene	ND	D12	940	48	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND	D12	940	280	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Hexachloroethane	ND	D12	940	73	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	100	D12,J	940	26	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Isophorone	ND	D12	940	47	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Naphthalene	ND	D12	940	16	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Nitrobenzene	ND	D12	940	42	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND	D12	940	74	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	D12,L	940	51	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Pentachlorophenol	ND	D12	1800	320	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Phenanthrene	93	D12,J	940	20	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Phenol	ND	D12	940	99	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C
Pyrene	210	D12,J	940	6.1	ug/kg dry	5.00	05/26/10 22:51	MKP	10E1965	8270C

2,4,6-Tribromophenol	77 %	D12	Surr Limits: (39-146%)				05/26/10 22:51	MKP	10E1965	8270C
2-Fluorobiphenyl	88 %	D12	Surr Limits: (37-120%)				05/26/10 22:51	MKP	10E1965	8270C
2-Fluorophenol	66 %	D12	Surr Limits: (18-120%)				05/26/10 22:51	MKP	10E1965	8270C
Nitrobenzene-d5	66 %	D12	Surr Limits: (34-132%)				05/26/10 22:51	MKP	10E1965	8270C
Phenol-d5	77 %	D12	Surr Limits: (11-120%)				05/26/10 22:51	MKP	10E1965	8270C
p-Terphenyl-d14	87 %	D12	Surr Limits: (58-147%)				05/26/10 22:51	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		18.2	0.7	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Arsenic	2.9		2.4	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Barium	49.2		0.606	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Cadmium	ND		0.242	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Chromium	10.6		0.606	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Copper	14.7		1.2	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Lead	21.8		1.2	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Nickel	10.2		6.06	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Selenium	ND		4.8	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Silver	ND		0.606	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Tin	ND	D02	12.1	NR	mg/kg dry	5.00	05/27/10 09:29	DAN	10E2078	6010B
Zinc	38.1		2.4	NR	mg/kg dry	1.00	05/27/10 00:34	DAN	10E2078	6010B
Mercury	0.0556		0.0232	NR	mg/kg dry	1.00	05/26/10 16:00	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-40001 (RTE1215-01 - Solid) - cont.					Sampled: 05/24/10 11:20			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	88		0.010	NR	%	1.00	05/26/10 10:35	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-41112 (RTE1215-02 - Solid)						Sampled: 05/24/10 12:45		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.3	0.39	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		5.3	0.87	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		5.3	0.69	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,1-Dichloroethane	ND		5.3	0.65	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,1-Dichloroethene	ND		5.3	0.65	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		5.3	2.7	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dibromoethane	ND		5.3	0.69	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		5.3	0.42	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dichloroethane	ND		5.3	0.27	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dichloropropane	ND		5.3	2.7	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		5.3	0.27	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		5.3	0.75	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
2-Butanone	6.9	J	27	2.0	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
2-Hexanone	ND		27	2.7	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Acetone	46		27	4.5	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Benzene	ND		5.3	0.26	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Bromodichloromethane	ND		5.3	0.72	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Bromoform	ND		5.3	2.7	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Bromomethane	ND		5.3	0.48	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Carbon disulfide	ND		5.3	2.7	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Carbon Tetrachloride	ND		5.3	0.52	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Chlorobenzene	ND		5.3	0.70	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Dibromochloromethane	ND		5.3	0.68	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Chloroethane	ND		5.3	1.2	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Chloroform	ND		5.3	0.33	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Chloromethane	ND		5.3	0.32	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Cyclohexane	3.5	J	5.3	0.75	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		5.3	0.44	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Ethylbenzene	ND		5.3	0.37	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Isopropylbenzene	ND		5.3	0.80	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Methyl Acetate	ND		5.3	0.99	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.3	0.52	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Methylcyclohexane	ND		5.3	0.81	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Methylene Chloride	7.5	B	5.3	2.5	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Styrene	ND		5.3	0.27	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Tetrachloroethene	ND		5.3	0.72	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Toluene	ND		5.3	0.40	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Trichloroethene	ND		5.3	1.2	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Trichlorofluoromethane	ND		5.3	0.50	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
Vinyl chloride	ND		5.3	0.65	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-41112 (RTE1215-02 - Solid) - cont.

Sampled: 05/24/10 12:45

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		11	0.90	ug/kg dry	1.00	05/25/10 18:52	PQ	10E1995	8260B
1,2-Dichloroethane-d4	94 %		Surr Limits: (64-126%)				05/25/10 18:52	PQ	10E1995	8260B
4-Bromofluorobenzene	116 %		Surr Limits: (72-126%)				05/25/10 18:52	PQ	10E1995	8260B
Toluene-d8	112 %		Surr Limits: (71-125%)				05/25/10 18:52	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND	D12	920	200	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND	D12	920	60	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4-Dichlorophenol	ND	D12	920	48	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4-Dimethylphenol	ND	D12	920	250	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4-Dinitrophenol	ND	D12	1800	320	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND	D12	920	140	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND	D12	920	220	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Chloronaphthalene	ND	D12	920	61	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Chlorophenol	ND	D12	920	46	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Methylnaphthalene	ND	D12	920	11	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Methylphenol	ND	D12	920	28	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Nitroaniline	ND	D12	1800	290	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2-Nitrophenol	ND	D12	920	42	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	D12,L	920	800	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
3-Nitroaniline	ND	D12	1800	210	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND	D12	1800	310	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND	D12	920	290	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND	D12	920	38	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Chloroaniline	ND	D12	920	270	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND	D12	920	19	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Methylphenol	ND	D12	1800	51	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Nitroaniline	ND	D12	1800	100	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
4-Nitrophenol	ND	D12	1800	220	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Acenaphthene	ND	D12	920	11	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Acenaphthylene	ND	D12	920	7.5	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Acetophenone	ND	D12	920	47	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Anthracene	ND	D12	920	23	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Atrazine	ND	D12	920	41	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzaldehyde	ND	D12	920	100	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzo(a)anthracene	ND	D12	920	16	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzo(a)pyrene	ND	D12,L	920	22	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzo(b)fluoranthene	70	D12,J	920	18	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzo(ghi)perylene	ND	D12	920	11	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Benzo(k)fluoranthene	ND	D12	920	10	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Biphenyl	ND	D12	920	57	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND	D12	920	50	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND	D12	920	79	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D12	920	95	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND	D12	920	290	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-41112 (RTE1215-02 - Solid) - cont.

Sampled: 05/24/10 12:45

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	D12	920	240	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Caprolactam	ND	D12	920	390	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Carbazole	ND	D12	920	11	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Chrysene	ND	D12	920	9.1	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND	D12	920	11	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Dibenzofuran	ND	D12	920	9.5	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Diethyl phthalate	ND	D12	920	28	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Dimethyl phthalate	ND	D12	920	24	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Di-n-butyl phthalate	ND	D12	920	320	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Di-n-octyl phthalate	ND	D12	920	21	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Fluoranthene	110	D12,J	920	13	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Fluorene	ND	D12	920	21	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Hexachlorobenzene	ND	D12	920	45	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Hexachlorobutadiene	ND	D12	920	47	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND	D12	920	280	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Hexachloroethane	ND	D12	920	71	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	ND	D12	920	25	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Isophorone	ND	D12	920	46	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Naphthalene	ND	D12	920	15	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Nitrobenzene	ND	D12	920	40	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND	D12	920	72	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	D12,L	920	50	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Pentachlorophenol	ND	D12	1800	310	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Phenanthrene	ND	D12	920	19	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Phenol	ND	D12	920	96	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
Pyrene	97	D12,J	920	5.9	ug/kg dry	5.00	05/27/10 22:48	MKP	10E1965	8270C
2,4,6-Tribromophenol	83 %	D12	Surr Limits: (39-146%)				05/27/10 22:48	MKP	10E1965	8270C
2-Fluorobiphenyl	87 %	D12	Surr Limits: (37-120%)				05/27/10 22:48	MKP	10E1965	8270C
2-Fluorophenol	66 %	D12	Surr Limits: (18-120%)				05/27/10 22:48	MKP	10E1965	8270C
Nitrobenzene-d5	68 %	D12	Surr Limits: (34-132%)				05/27/10 22:48	MKP	10E1965	8270C
Phenol-d5	77 %	D12	Surr Limits: (11-120%)				05/27/10 22:48	MKP	10E1965	8270C
p-Terphenyl-d14	90 %	D12	Surr Limits: (58-147%)				05/27/10 22:48	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		15.3	0.5	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Arsenic	2.1		2.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Barium	48.7		0.509	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Cadmium	ND		0.203	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Chromium	14.6		0.509	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Copper	84.5		1.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Lead	7.8		1.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Nickel	12.5		5.09	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Selenium	ND		4.1	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Silver	ND		0.509	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Tin	ND		2.0	NR	mg/kg dry	1.00	05/27/10 09:34	DAN	10E2078	6010B
Zinc	38.9		2.0	NR	mg/kg dry	1.00	05/27/10 00:39	DAN	10E2078	6010B
Mercury	ND		0.0223	NR	mg/kg dry	1.00	05/26/10 15:24	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-41112 (RTE1215-02 - Solid) - cont.					Sampled: 05/24/10 12:45			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	91		0.010	NR	%	1.00	05/26/10 10:37	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-4 (RTE1214-01 - Water)						Sampled: 05/24/10 16:10		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Acetone	5.0		5.0	3.0	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Benzene	7.9		1.0	0.41	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chloroform	0.84	J	1.0	0.34	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Toluene	6.5		1.0	0.51	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-4 (RTE1214-01 - Water) - cont.

Sampled: 05/24/10 16:10

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B
Xylenes, total	4.2		2.0	0.66	ug/L	1.00	05/26/10 06:07	NMD	10E2043	8260B

1,2-Dichloroethane-d4	100 %		Surr Limits: (66-137%)				05/26/10 06:07	NMD	10E2043	8260B
4-Bromofluorobenzene	106 %		Surr Limits: (73-120%)				05/26/10 06:07	NMD	10E2043	8260B
Toluene-d8	105 %		Surr Limits: (71-126%)				05/26/10 06:07	NMD	10E2043	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Chlorophenol	ND		4.8	0.50	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Methylnaphthalene	ND		4.8	0.57	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
3,3'-Dichlorobenzidine	ND	L	4.8	0.38	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
3-Nitroaniline	ND		9.5	0.46	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Acetophenone	ND		4.8	0.51	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzaldehyde	ND		4.8	0.25	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-4 (RTE1214-01 - Water) - cont.

Sampled: 05/24/10 16:10

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Chrysene	ND		4.8	0.31	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Dibenzofuran	ND		9.5	0.49	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Diethyl phthalate	ND		4.8	0.21	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Di-n-butyl phthalate	0.61	J, B	4.8	0.30	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Fluorene	ND		4.8	0.34	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Hexachloroethane	ND		4.8	0.56	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Isophorone	ND		4.8	0.41	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Naphthalene	ND		4.8	0.72	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
N-Nitrosodiphenylamine	ND	L	4.8	0.49	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C
Pyrene	ND		4.8	0.32	ug/L	1.00	05/26/10 20:29	MKP	10E1969	8270C

2,4,6-Tribromophenol	85 %	Surr Limits: (52-132%)					05/26/10 20:29	MKP	10E1969	8270C
2-Fluorobiphenyl	59 %	Surr Limits: (48-120%)					05/26/10 20:29	MKP	10E1969	8270C
2-Fluorophenol	26 %	Surr Limits: (20-120%)					05/26/10 20:29	MKP	10E1969	8270C
Nitrobenzene-d5	49 %	Surr Limits: (46-120%)					05/26/10 20:29	MKP	10E1969	8270C
Phenol-d5	20 %	Surr Limits: (16-120%)					05/26/10 20:29	MKP	10E1969	8270C
p-Terphenyl-d14	33 %	Surr Limits: (24-136%)					05/26/10 20:29	MKP	10E1969	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Barium	1.70		0.0020	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Chromium	0.0150		0.0040	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Copper	0.0208		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Nickel	0.0662		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B
Zinc	0.0437		0.0100	NR	mg/L	1.00	05/26/10 17:51	DAN	10E1985	6010B

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-4 (RTE1214-01 - Water) - cont.

Sampled: 05/24/10 16:10

Recvd: 05/25/10 08:30

Total Metals by SW 846 Series Methods - cont.

Mercury	ND		0.0002	NR	mg/L	1.00	05/26/10 14:10	MXM	10E2007	7470A

Dissolved Metals by SW 846 Series Methods

Antimony	ND	P7	0.0200	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Arsenic	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Barium	0.509	P7	0.0020	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Cadmium	ND	P7	0.0010	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Chromium	ND	P7	0.0040	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Copper	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Lead	ND	P7	0.0050	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Nickel	0.0136	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Selenium	ND	P7	0.0150	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Silver	ND	P7	0.0030	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Tin	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Zinc	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:21	DAN	10E2121	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/27/10 18:26	MXM	10E2223	7470A

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-50005 DUP (RTE1215-07 - Solid)						Sampled: 05/24/10 08:50		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		4.5	0.32	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		4.5	0.72	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		4.5	0.58	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,1-Dichloroethane	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,1-Dichloroethene	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dibromoethane	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		4.5	0.35	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dichloroethane	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dichloropropane	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		4.5	0.23	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		4.5	0.63	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
2-Butanone	4.7	J	22	1.6	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
2-Hexanone	ND		22	2.2	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		22	1.5	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Acetone	20	J	22	3.8	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Benzene	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Bromodichloromethane	ND		4.5	0.60	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Bromoform	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Bromomethane	ND		4.5	0.40	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Carbon disulfide	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Carbon Tetrachloride	ND		4.5	0.43	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Chlorobenzene	ND		4.5	0.59	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Dibromochloromethane	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Chloroethane	ND		4.5	1.0	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Chloroform	ND		4.5	0.28	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Chloromethane	ND		4.5	0.27	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		4.5	0.64	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Cyclohexane	2.8	J	4.5	0.63	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		4.5	0.37	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Ethylbenzene	ND		4.5	0.31	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Isopropylbenzene	ND		4.5	0.67	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Methyl Acetate	ND		4.5	0.83	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.5	0.44	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Methylcyclohexane	ND		4.5	0.68	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Methylene Chloride	5.4	B	4.5	2.1	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Styrene	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Tetrachloroethene	ND		4.5	0.60	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Toluene	ND		4.5	0.34	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Trichloroethene	ND		4.5	0.98	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Trichlorofluoromethane	ND		4.5	0.42	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
Vinyl chloride	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-50005 DUP (RTE1215-07 - Solid) - cont.

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		8.9	0.75	ug/kg dry	1.00	05/25/10 21:00	PQ	10E1995	8260B
1,2-Dichloroethane-d4	82 %		Surr Limits: (64-126%)				05/25/10 21:00	PQ	10E1995	8260B
4-Bromofluorobenzene	103 %		Surr Limits: (72-126%)				05/25/10 21:00	PQ	10E1995	8260B
Toluene-d8	100 %		Surr Limits: (71-125%)				05/25/10 21:00	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		180	40	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND		180	12	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4-Dichlorophenol	ND		180	9.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4-Dimethylphenol	ND		180	49	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4-Dinitrophenol	ND		360	64	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND		180	28	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND		180	44	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Chloronaphthalene	ND		180	12	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Chlorophenol	ND		180	9.3	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Methylnaphthalene	ND		180	2.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Methylphenol	ND		180	5.6	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Nitroaniline	ND		360	58	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2-Nitrophenol	ND		180	8.3	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	L	180	160	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND		360	63	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND		180	58	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND		180	7.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Chloroaniline	ND		180	53	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Nitroaniline	ND		360	20	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
4-Nitrophenol	ND		360	44	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Acenaphthene	ND		180	2.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Acenaphthylene	ND		180	1.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Acetophenone	ND		180	9.3	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Anthracene	ND		180	4.7	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Atrazine	ND		180	8.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzaldehyde	ND		180	20	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(a)anthracene	27	J	180	3.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(a)pyrene	33	L, J	180	4.4	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(b)fluoranthene	37	J	180	3.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(ghi)perylene	29	J	180	2.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Benzo(k)fluoranthene	13	J	180	2.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Biphenyl	ND		180	11	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND		180	16	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		180	19	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND		180	59	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-50005 DUP (RTE1215-07 - Solid) - cont.

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		180	49	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Caprolactam	ND		180	79	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Carbazole	ND		180	2.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Chrysene	26	J	180	1.8	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND		180	2.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Dibenzofuran	ND		180	1.9	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Diethyl phthalate	ND		180	5.5	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Dimethyl phthalate	ND		180	4.7	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Di-n-butyl phthalate	80	J	180	63	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Di-n-octyl phthalate	ND		180	4.3	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Fluoranthene	54	J	180	2.6	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Fluorene	ND		180	4.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Hexachlorobenzene	ND		180	9.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Hexachlorobutadiene	ND		180	9.3	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND		180	55	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Hexachloroethane	ND		180	14	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	22	J	180	5.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Isophorone	ND		180	9.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Naphthalene	ND		180	3.0	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Nitrobenzene	ND		180	8.1	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND		180	14	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	L	180	9.9	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Pentachlorophenol	ND		360	62	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Phenanthrene	25	J	180	3.8	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Phenol	ND		180	19	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
Pyrene	42	J	180	1.2	ug/kg dry	1.00	05/27/10 23:35	MKP	10E1965	8270C
2,4,6-Tribromophenol	89 %		Surr Limits: (39-146%)				05/27/10 23:35	MKP	10E1965	8270C
2-Fluorobiphenyl	77 %		Surr Limits: (37-120%)				05/27/10 23:35	MKP	10E1965	8270C
2-Fluorophenol	58 %		Surr Limits: (18-120%)				05/27/10 23:35	MKP	10E1965	8270C
Nitrobenzene-d5	60 %		Surr Limits: (34-132%)				05/27/10 23:35	MKP	10E1965	8270C
Phenol-d5	67 %		Surr Limits: (11-120%)				05/27/10 23:35	MKP	10E1965	8270C
p-Terphenyl-d14	82 %		Surr Limits: (58-147%)				05/27/10 23:35	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		17.5	0.6	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Arsenic	ND		2.3	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Barium	55.7		0.584	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Cadmium	ND		0.234	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Chromium	4.72		0.584	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Copper	105		1.2	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Lead	5.5		1.2	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Nickel	11.6		5.84	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Selenium	ND		4.7	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Silver	ND		0.584	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Tin	ND	D02	11.7	NR	mg/kg dry	5.00	05/27/10 10:21	DAN	10E2078	6010B
Zinc	36.5		2.3	NR	mg/kg dry	1.00	05/27/10 01:28	DAN	10E2078	6010B
Mercury	ND		0.0210	NR	mg/kg dry	1.00	05/26/10 15:34	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-50005 DUP (RTE1215-07 - Solid) - cont.					Sampled: 05/24/10 08:50			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	92		0.010	NR	%	1.00	05/26/10 10:43	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-50005 (RTE1215-04 - Solid)						Sampled: 05/24/10 08:50		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		4.5	0.32	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		4.5	0.73	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		4.5	0.58	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,1-Dichloroethane	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,1-Dichloroethene	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dibromoethane	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		4.5	0.35	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dichloroethane	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dichloropropane	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		4.5	0.23	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		4.5	0.63	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
2-Butanone	2.6	J	22	1.6	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
2-Hexanone	ND		22	2.2	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		22	1.5	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Acetone	15	J	22	3.8	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Benzene	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Bromodichloromethane	ND		4.5	0.60	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Bromoform	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Bromomethane	ND		4.5	0.40	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Carbon disulfide	ND		4.5	2.2	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Carbon Tetrachloride	ND		4.5	0.43	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Chlorobenzene	ND		4.5	0.59	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Dibromochloromethane	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Chloroethane	ND		4.5	1.0	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Chloroform	ND		4.5	0.28	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Chloromethane	ND		4.5	0.27	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		4.5	0.57	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		4.5	0.64	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Cyclohexane	2.6	J	4.5	0.63	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		4.5	0.37	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Ethylbenzene	ND		4.5	0.31	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Isopropylbenzene	ND		4.5	0.67	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Methyl Acetate	ND		4.5	0.83	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		4.5	0.44	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Methylcyclohexane	ND		4.5	0.68	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Methylene Chloride	5.9	B	4.5	2.1	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Styrene	ND		4.5	0.22	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Tetrachloroethene	ND		4.5	0.60	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Toluene	ND		4.5	0.34	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Trichloroethene	ND		4.5	0.98	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Trichlorofluoromethane	ND		4.5	0.42	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
Vinyl chloride	ND		4.5	0.55	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
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Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-50005 (RTE1215-04 - Solid) - cont.

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		9.0	0.75	ug/kg dry	1.00	05/25/10 19:43	PQ	10E1995	8260B
1,2-Dichloroethane-d4	91 %		Surr Limits: (64-126%)				05/25/10 19:43	PQ	10E1995	8260B
4-Bromofluorobenzene	112 %		Surr Limits: (72-126%)				05/25/10 19:43	PQ	10E1995	8260B
Toluene-d8	108 %		Surr Limits: (71-125%)				05/25/10 19:43	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		190	40	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND		190	12	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4-Dichlorophenol	ND		190	9.7	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4-Dimethylphenol	ND		190	50	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4-Dinitrophenol	ND		360	65	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND		190	29	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND		190	45	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Chloronaphthalene	ND		190	12	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Chlorophenol	ND		190	9.4	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Methylnaphthalene	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Methylphenol	ND		190	5.7	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Nitroaniline	ND		360	59	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2-Nitrophenol	ND		190	8.4	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	L	190	160	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
3-Nitroaniline	ND		360	42	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND		360	64	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND		190	59	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND		190	7.6	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Chloroaniline	ND		190	54	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND		190	3.9	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Methylphenol	ND		360	10	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Nitroaniline	ND		360	21	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
4-Nitrophenol	ND		360	45	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Acenaphthene	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Acenaphthylene	ND		190	1.5	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Acetophenone	ND		190	9.5	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Anthracene	ND		190	4.7	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Atrazine	ND		190	8.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzaldehyde	ND		190	20	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(a)anthracene	21	J	190	3.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(a)pyrene	26	L, J	190	4.5	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(b)fluoranthene	31	J	190	3.6	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(ghi)perylene	22	J	190	2.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Benzo(k)fluoranthene	13	J	190	2.0	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND		190	16	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND		190	19	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND		190	60	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
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Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-50005 (RTE1215-04 - Solid) - cont.

Sampled: 05/24/10 08:50

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		190	50	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Caprolactam	ND		190	80	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Carbazole	ND		190	2.1	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Chrysene	23	J	190	1.8	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND		190	2.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Dibenzofuran	ND		190	1.9	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Diethyl phthalate	ND		190	5.6	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Dimethyl phthalate	ND		190	4.8	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Di-n-butyl phthalate	ND		190	64	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Di-n-octyl phthalate	ND		190	4.3	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Fluoranthene	43	J	190	2.7	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Fluorene	ND		190	4.3	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Hexachlorobenzene	ND		190	9.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Hexachlorobutadiene	ND		190	9.5	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND		190	56	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Hexachloroethane	ND		190	14	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	18	J	190	5.1	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Isophorone	ND		190	9.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Naphthalene	ND		190	3.1	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Nitrobenzene	ND		190	8.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	L	190	10	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Pentachlorophenol	ND		360	63	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Phenanthrene	19	J	190	3.9	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Phenol	ND		190	19	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
Pyrene	36	J	190	1.2	ug/kg dry	1.00	05/27/10 23:11	MKP	10E1965	8270C
2,4,6-Tribromophenol	90 %		Surr Limits: (39-146%)				05/27/10 23:11	MKP	10E1965	8270C
2-Fluorobiphenyl	78 %		Surr Limits: (37-120%)				05/27/10 23:11	MKP	10E1965	8270C
2-Fluorophenol	64 %		Surr Limits: (18-120%)				05/27/10 23:11	MKP	10E1965	8270C
Nitrobenzene-d5	65 %		Surr Limits: (34-132%)				05/27/10 23:11	MKP	10E1965	8270C
Phenol-d5	73 %		Surr Limits: (11-120%)				05/27/10 23:11	MKP	10E1965	8270C
p-Terphenyl-d14	82 %		Surr Limits: (58-147%)				05/27/10 23:11	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND	16.9	0.6	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Arsenic	ND	2.3	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Barium	52.7	0.565	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Cadmium	ND	0.226	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Chromium	6.13	0.565	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Copper	119	1.1	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Lead	6.1	1.1	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Nickel	11.9	5.65	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Selenium	ND	4.5	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Silver	ND	0.565	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Tin	ND	2.3	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Zinc	41.0	2.3	NR	mg/kg dry	1.00	05/27/10 00:49	DAN	10E2078	6010B
Mercury	ND	0.0217	NR	mg/kg dry	1.00	05/26/10 15:28	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-50005 (RTE1215-04 - Solid) - cont.					Sampled: 05/24/10 08:50			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	90		0.010	NR	%	1.00	05/26/10 10:41	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-52526 (RTE1215-03 - Solid)						Sampled: 05/24/10 10:20		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		6.0	0.44	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,1,2,2-Tetrachloroethane	ND		6.0	0.98	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,1,2-Trichloroethane	ND		6.0	0.78	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,1-Dichloroethane	ND		6.0	0.73	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,1-Dichloroethene	ND		6.0	0.74	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2,4-Trichlorobenzene	ND		6.0	0.37	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dibromo-3-chloropropene	ND		6.0	3.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dibromoethane	ND		6.0	0.77	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dichlorobenzene	ND		6.0	0.47	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dichloroethane	ND		6.0	0.30	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dichloropropane	ND		6.0	3.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,3-Dichlorobenzene	ND		6.0	0.31	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,4-Dichlorobenzene	ND		6.0	0.84	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
2-Butanone	ND		30	2.2	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
4-Methyl-2-pentanone	ND		30	2.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Acetone	ND		30	5.1	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Benzene	ND		6.0	0.29	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Bromodichloromethane	ND		6.0	0.81	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Bromoform	ND		6.0	3.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Bromomethane	ND		6.0	0.54	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Carbon disulfide	ND		6.0	3.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Carbon Tetrachloride	ND		6.0	0.58	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Chlorobenzene	ND		6.0	0.79	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Dibromochloromethane	ND		6.0	0.77	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Chloroethane	ND		6.0	1.4	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Chloroform	ND		6.0	0.37	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Chloromethane	ND		6.0	0.36	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
cis-1,2-Dichloroethene	ND		6.0	0.77	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
cis-1,3-Dichloropropene	ND		6.0	0.87	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Cyclohexane	2.8	J	6.0	0.84	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Dichlorodifluoromethane	ND		6.0	0.50	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Ethylbenzene	ND		6.0	0.42	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Isopropylbenzene	ND		6.0	0.91	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Methyl Acetate	ND		6.0	1.1	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Methyl-t-Butyl Ether (MTBE)	ND		6.0	0.59	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Methylcyclohexane	ND		6.0	0.91	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Methylene Chloride	7.7	B	6.0	2.8	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Styrene	ND		6.0	0.30	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Tetrachloroethene	ND		6.0	0.81	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Toluene	ND		6.0	0.46	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
trans-1,2-Dichloroethene	ND		6.0	0.62	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
trans-1,3-Dichloropropene	ND		6.0	2.6	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Trichloroethene	ND		6.0	1.3	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Trichlorofluoromethane	ND		6.0	0.57	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
Vinyl chloride	ND		6.0	0.73	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-52526 (RTE1215-03 - Solid) - cont.

Sampled: 05/24/10 10:20

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	ND		12	1.0	ug/kg dry	1.00	05/25/10 19:17	PQ	10E1995	8260B
1,2-Dichloroethane-d4	84 %		Surr Limits: (64-126%)				05/25/10 19:17	PQ	10E1995	8260B
4-Bromofluorobenzene	106 %		Surr Limits: (72-126%)				05/25/10 19:17	PQ	10E1995	8260B
Toluene-d8	101 %		Surr Limits: (71-125%)				05/25/10 19:17	PQ	10E1995	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		190	42	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4,6-Trichlorophenol	ND		190	13	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4-Dichlorophenol	ND		190	10	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4-Dimethylphenol	ND		190	52	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4-Dinitrophenol	ND		380	67	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4-Dinitrotoluene	ND		190	30	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,6-Dinitrotoluene	ND		190	47	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Chloronaphthalene	ND		190	13	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Chlorophenol	ND		190	9.8	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Methylnaphthalene	ND		190	2.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Methylphenol	ND		190	5.9	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Nitroaniline	ND		380	62	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2-Nitrophenol	ND		190	8.8	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
3,3'-Dichlorobenzidine	ND	L	190	170	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
3-Nitroaniline	ND		380	44	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4,6-Dinitro-2-methylphenol	ND		380	66	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Bromophenyl phenyl ether	ND		190	61	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Chloro-3-methylphenol	ND		190	7.9	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Chloroaniline	ND		190	56	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Chlorophenyl phenyl ether	ND		190	4.1	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Methylphenol	ND		380	11	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Nitroaniline	ND		380	21	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
4-Nitrophenol	ND		380	47	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Acenaphthene	ND		190	2.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Acenaphthylene	ND		190	1.6	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Acetophenone	ND		190	9.9	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Anthracene	ND		190	4.9	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Atrazine	ND		190	8.6	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzaldehyde	ND		190	21	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzo(a)anthracene	ND		190	3.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzo(a)pyrene	ND	L	190	4.6	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzo(b)fluoranthene	ND		190	3.7	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzo(ghi)perylene	ND		190	2.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Benzo(k)fluoranthene	ND		190	2.1	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Biphenyl	ND		190	12	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Bis(2-chloroethoxy)methane	ND		190	10	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Bis(2-chloroethyl)ether	ND		190	17	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,2'-Oxybis(1-Chloropropane)	ND		190	20	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Bis(2-ethylhexyl)phthalate	ND		190	62	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-52526 (RTE1215-03 - Solid) - cont.

Sampled: 05/24/10 10:20

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND		190	52	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Caprolactam	ND		190	83	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Carbazole	ND		190	2.2	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Chrysene	ND		190	1.9	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Dibenzo(a,h)anthracene	ND		190	2.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Dibenzofuran	ND		190	2.0	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Diethyl phthalate	ND		190	5.8	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Dimethyl phthalate	ND		190	5.0	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Di-n-butyl phthalate	ND		190	67	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Di-n-octyl phthalate	ND		190	4.5	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Fluoranthene	ND		190	2.8	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Fluorene	ND		190	4.4	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Hexachlorobenzene	ND		190	9.6	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Hexachlorobutadiene	ND		190	9.8	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Hexachlorocyclopentadiene	ND		190	58	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Hexachloroethane	ND		190	15	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Indeno(1,2,3-cd)pyrene	ND		190	5.3	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Isophorone	ND		190	9.6	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Naphthalene	ND		190	3.2	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Nitrobenzene	ND		190	8.5	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
N-Nitrosodi-n-propylamine	ND		190	15	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
N-Nitrosodiphenylamine	ND	L	190	11	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Pentachlorophenol	ND		380	66	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Phenanthrene	ND		190	4.0	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Phenol	ND		190	20	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
Pyrene	ND		190	1.2	ug/kg dry	1.00	05/26/10 23:38	MKP	10E1965	8270C
2,4,6-Tribromophenol	86 %		Surr Limits: (39-146%)				05/26/10 23:38	MKP	10E1965	8270C
2-Fluorobiphenyl	75 %		Surr Limits: (37-120%)				05/26/10 23:38	MKP	10E1965	8270C
2-Fluorophenol	66 %		Surr Limits: (18-120%)				05/26/10 23:38	MKP	10E1965	8270C
Nitrobenzene-d5	64 %		Surr Limits: (34-132%)				05/26/10 23:38	MKP	10E1965	8270C
Phenol-d5	74 %		Surr Limits: (11-120%)				05/26/10 23:38	MKP	10E1965	8270C
p-Terphenyl-d14	83 %		Surr Limits: (58-147%)				05/26/10 23:38	MKP	10E1965	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		16.4	0.6	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Arsenic	ND		2.2	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Barium	28.1		0.546	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Cadmium	ND		0.218	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Chromium	3.62		0.546	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Copper	5.0		1.1	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Lead	1.9		1.1	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Nickel	ND		5.46	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Silver	ND		0.546	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Tin	ND	D02	10.9	NR	mg/kg dry	5.00	05/27/10 09:38	DAN	10E2078	6010B
Zinc	11.0		2.2	NR	mg/kg dry	1.00	05/27/10 00:44	DAN	10E2078	6010B
Mercury	ND		0.0228	NR	mg/kg dry	1.00	05/26/10 15:26	MXM	10E2035	7471A

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-52526 (RTE1215-03 - Solid) - cont.					Sampled: 05/24/10 10:20			Recvd: 05/25/10 08:30		
<u>General Chemistry Parameters</u>										
Percent Solids	86		0.010	NR	%	1.00	05/26/10 10:39	JR	10E2004	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: B-5 (RTE1214-02 - Water)						Sampled: 05/24/10 12:15		Recvd: 05/25/10 08:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Benzene	1.7		1.0	0.41	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chloroform	4.9		1.0	0.34	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Toluene	1.6		1.0	0.51	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-5 (RTE1214-02 - Water) - cont.

Sampled: 05/24/10 12:15

Recvd: 05/25/10 08:30

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B
Xylenes, total	0.69	J	2.0	0.66	ug/L	1.00	05/26/10 06:32	NMD	10E2043	8260B

1,2-Dichloroethane-d4	102 %		Surr Limits: (66-137%)				05/26/10 06:32	NMD	10E2043	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				05/26/10 06:32	NMD	10E2043	8260B
Toluene-d8	105 %		Surr Limits: (71-126%)				05/26/10 06:32	NMD	10E2043	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,4-Dichlorophenol	ND		4.7	0.48	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,4-Dimethylphenol	ND		4.7	0.47	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Chloronaphthalene	ND		4.7	0.44	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Chlorophenol	ND		4.7	0.50	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Methylnaphthalene	ND		4.7	0.57	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Methylphenol	ND		4.7	0.38	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2-Nitrophenol	ND		4.7	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
3,3'-Dichlorobenzidine	ND	L	4.7	0.38	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
3-Nitroaniline	ND		9.5	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.43	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Chloro-3-methylphenol	ND		4.7	0.43	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Chloroaniline	ND		4.7	0.56	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Acenaphthene	ND		4.7	0.39	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Acenaphthylene	ND		4.7	0.36	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Acetophenone	ND		4.7	0.51	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Anthracene	ND		4.7	0.27	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Atrazine	ND		4.7	0.44	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzo(a)anthracene	ND		4.7	0.34	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzo(a)pyrene	ND		4.7	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzo(ghi)perylene	ND		4.7	0.33	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Biphenyl	ND		4.7	0.62	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		4.7	0.49	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-5 (RTE1214-02 - Water) - cont.

Sampled: 05/24/10 12:15

Recvd: 05/25/10 08:30

Semivolatile Organics by GC/MS - cont.

Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Butyl benzyl phthalate	ND		4.7	0.40	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Caprolactam	ND		4.7	2.1	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Carbazole	ND		4.7	0.28	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Chrysene	ND		4.7	0.31	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.40	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Dibenzofuran	ND		9.5	0.48	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Diethyl phthalate	ND		4.7	0.21	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Dimethyl phthalate	ND		4.7	0.34	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Di-n-butyl phthalate	0.62	J, B	4.7	0.29	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Di-n-octyl phthalate	ND		4.7	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Fluoranthene	ND		4.7	0.38	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Fluorene	ND		4.7	0.34	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Hexachlorobenzene	ND		4.7	0.48	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Hexachlorobutadiene	ND		4.7	0.64	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Hexachloroethane	ND		4.7	0.56	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.45	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Isophorone	ND		4.7	0.41	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Naphthalene	ND		4.7	0.72	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Nitrobenzene	ND		4.7	0.27	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
N-Nitrosodiphenylamine	ND	L	4.7	0.48	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Phenanthrene	ND		4.7	0.42	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Phenol	ND		4.7	0.37	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C
Pyrene	ND		4.7	0.32	ug/L	1.00	05/26/10 20:53	MKP	10E1969	8270C

2,4,6-Tribromophenol	70 %	Surr Limits: (52-132%)					05/26/10 20:53	MKP	10E1969	8270C
2-Fluorobiphenyl	59 %	Surr Limits: (48-120%)					05/26/10 20:53	MKP	10E1969	8270C
2-Fluorophenol	25 %	Surr Limits: (20-120%)					05/26/10 20:53	MKP	10E1969	8270C
Nitrobenzene-d5	48 %	Surr Limits: (46-120%)					05/26/10 20:53	MKP	10E1969	8270C
Phenol-d5	20 %	Surr Limits: (16-120%)					05/26/10 20:53	MKP	10E1969	8270C
p-Terphenyl-d14	37 %	Surr Limits: (24-136%)					05/26/10 20:53	MKP	10E1969	8270C

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Barium	1.00		0.0020	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Chromium	0.0273		0.0040	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Copper	0.0692		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Lead	0.0155		0.0050	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Nickel	0.0395		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B
Zinc	0.170		0.0100	NR	mg/L	1.00	05/26/10 17:56	DAN	10E1985	6010B

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Client ID: B-5 (RTE1214-02 - Water) - cont.

Sampled: 05/24/10 12:15

Recvd: 05/25/10 08:30

Total Metals by SW 846 Series Methods - cont.

Mercury	ND		0.0002	NR	mg/L	1.00	05/26/10 14:12	MXM	10E2007	7470A

Dissolved Metals by SW 846 Series Methods

Antimony	ND	P7	0.0200	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Arsenic	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Barium	0.428	P7	0.0020	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Cadmium	ND	P7	0.0010	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Chromium	ND	P7	0.0040	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Copper	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Lead	ND	P7	0.0050	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Nickel	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Selenium	ND	P7	0.0150	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Silver	ND	P7	0.0030	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Tin	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Zinc	0.0256	P7	0.0100	NR	mg/L	1.00	05/28/10 11:50	DAN	10E2121	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/27/10 18:28	MXM	10E2223	7470A

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Dissolved Metals by SW 846 Series Methods									
6010B	10E2121	RTE1214-01	50.00	mL	50.00	mL	05/27/10 09:10	JRK	3005A
6010B	10E2121	RTE1214-02	50.00	mL	50.00	mL	05/27/10 09:10	JRK	3005A
7470A	10E2223	RTE1214-01	30.00	mL	50.00	mL	05/27/10 15:30	MXM	7470A
7470A	10E2223	RTE1214-02	30.00	mL	50.00	mL	05/27/10 15:30	MXM	7470A
Semivolatile Organics by GC/MS									
8270C	10E1969	RTE1214-01	1,050.00	mL	1.00	mL	05/25/10 15:00	JLM	3510C MB
8270C	10E1969	RTE1214-02	1,055.00	mL	1.00	mL	05/25/10 15:00	JLM	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10E1985	RTE1214-01	50.00	mL	50.00	mL	05/26/10 09:35	JRK	3005A
6010B	10E1985	RTE1214-02	50.00	mL	50.00	mL	05/26/10 09:35	JRK	3005A
7470A	10E2007	RTE1214-01	30.00	mL	50.00	mL	05/25/10 19:00	MXM	7470A
7470A	10E2007	RTE1214-02	30.00	mL	50.00	mL	05/25/10 19:00	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10E2043	RTE1214-01	5.00	mL	5.00	mL	05/25/10 21:46	NMD	5030B MS
8260B	10E2043	RTE1214-02	5.00	mL	5.00	mL	05/25/10 21:46	NMD	5030B MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10E2004	RTE1215-01	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-02	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-03	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-04	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-07	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-08	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Dry Weight	10E2004	RTE1215-09	10.00	g	10.00	g	05/25/10 15:29	JRR	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10E1965	RTE1215-08	30.15	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-07	30.31	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-02	30.36	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-01	30.54	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-04	30.56	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-09	30.59	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
8270C	10E1965	RTE1215-03	30.73	g	1.00	mL	05/25/10 16:34	LTT	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10E2078	RTE1215-07	0.47	g	50.00	mL	05/26/10 13:00	JRK	3050B
6010B	10E2078	RTE1215-01	0.47	g	50.00	mL	05/26/10 13:00	JRK	3050B

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
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Project: New York State Project
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Received: 05/25/10
Reported: 05/28/10 14:49

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
6010B	10E2078	RTE1215-08	0.47	g	50.00	mL	05/26/10 13:00	JRK	3050B
6010B	10E2078	RTE1215-09	0.49	g	50.00	mL	05/26/10 13:00	JRK	3050B
6010B	10E2078	RTE1215-04	0.49	g	50.00	mL	05/26/10 13:00	JRK	3050B
6010B	10E2078	RTE1215-03	0.53	g	50.00	mL	05/26/10 13:00	JRK	3050B
6010B	10E2078	RTE1215-02	0.54	g	50.00	mL	05/26/10 13:00	JRK	3050B
7471A	10E2035	RTE1215-01	0.59	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-02	0.59	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-09	0.60	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-08	0.61	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-03	0.62	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-04	0.62	g	50.00	mL	05/26/10 13:30	MXM	7471A_
7471A	10E2035	RTE1215-07	0.62	g	50.00	mL	05/26/10 13:30	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10E1995	RTE1215-08	4.57	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-03	4.85	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-01	4.92	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-09	4.93	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-02	5.12	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-07	6.09	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS
8260B	10E1995	RTE1215-04	6.23	g	5.00	mL	05/25/10 13:57	PJQ	5035A MS

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/25/10 (Lab Number:10E1995-BLK1, Batch: 10E1995)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					

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Kennesaw, GA 30144

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/25/10 (Lab Number:10E1995-BLK1, Batch: 10E1995)											
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	3.8					J
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
<i>Surrogate:</i>						<i>ug/kg wet</i>	83	64-126			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>						<i>ug/kg wet</i>	107	72-126			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>						<i>ug/kg wet</i>	103	71-125			
LCS Analyzed: 05/25/10 (Lab Number:10E1995-BS1, Batch: 10E1995)											
1,1,1-Trichloroethane		50.0	5.0	0.36	ug/kg wet	44.9	90	82-116			
1,1,2,2-Tetrachloroethane		50.0	5.0	0.81	ug/kg wet	54.2	108	80-120			
1,1,2-Trichloroethane		50.0	5.0	0.65	ug/kg wet	50.4	101	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane		50.0	5.0	1.1	ug/kg wet	29.6	59	60-140			N1
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	44.3	89	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	42.4	85	70-142			
1,2,4-Trichlorobenzene		50.0	5.0	0.30	ug/kg wet	48.8	98	74-120			
1,2-Dibromo-3-chloropropane		50.0	5.0	2.5	ug/kg wet	47.5	95	66-122			
1,2-Dibromoethane		50.0	5.0	0.64	ug/kg wet	52.8	106	78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	49.8	100	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	42.2	84	77-122			
1,2-Dichloropropane		50.0	5.0	2.5	ug/kg wet	46.7	93	81-119			
1,3-Dichlorobenzene		50.0	5.0	0.26	ug/kg wet	49.5	99	82-114			
1,4-Dichlorobenzene		50.0	5.0	0.70	ug/kg wet	49.7	99	82-113			
2-Butanone		250	25	1.8	ug/kg wet	246	98	70-134			
2-Hexanone		250	25	2.5	ug/kg wet	258	103	72-130			
4-Methyl-2-pentanone		250	25	1.6	ug/kg wet	250	100	74-128			
Acetone		250	25	4.2	ug/kg wet	203	81	61-137			

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SDG Number: RTE1214
Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/25/10 (Lab Number:10E1995-BS1, Batch: 10E1995)											
Benzene		50.0	5.0	0.24	ug/kg wet	47.1	94	79-127			
Bromodichloromethane		50.0	5.0	0.67	ug/kg wet	40.8	82	80-122			
Bromoform		50.0	5.0	2.5	ug/kg wet	40.2	80	68-126			
Bromomethane		50.0	5.0	0.45	ug/kg wet	32.6	65	45-151			
Carbon disulfide		50.0	5.0	2.5	ug/kg wet	28.0	56	64-131			N1
Carbon Tetrachloride		50.0	5.0	0.48	ug/kg wet	37.9	76	75-128			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.6	97	78-123			
Dibromochloromethane		50.0	5.0	0.64	ug/kg wet	42.3	85	76-125			
Chloroethane		50.0	5.0	1.1	ug/kg wet	30.2	60	69-136			N1
Chloroform		50.0	5.0	0.31	ug/kg wet	44.5	89	80-118			
Chloromethane		50.0	5.0	0.30	ug/kg wet	42.5	85	63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	46.6	93	81-117			
cis-1,3-Dichloropropene		50.0	5.0	0.72	ug/kg wet	44.5	89	82-120			
Cyclohexane		50.0	5.0	0.70	ug/kg wet	43.2	86	70-130			
Dichlorodifluoromethane		50.0	5.0	0.41	ug/kg wet	43.0	86	57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.4	97	83-120			
Isopropylbenzene		50.0	5.0	0.75	ug/kg wet	48.6	97	72-120			
Methyl Acetate		50.0	5.0	0.93	ug/kg wet	49.3	99	60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.9	86	74-129			
Methylcyclohexane		50.0	5.0	0.76	ug/kg wet	39.0	78	74-125			
Methylene Chloride		50.0	5.0	2.3	ug/kg wet	54.3	109	61-127			B
Styrene		50.0	5.0	0.25	ug/kg wet	50.0	100	80-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	48.6	97	77-120			
Toluene		50.0	5.0	0.38	ug/kg wet	51.6	103	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	46.1	92	78-126			
trans-1,3-Dichloropropene		50.0	5.0	2.2	ug/kg wet	44.1	88	80-119			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.9	94	79-121			
Trichlorofluoromethane		50.0	5.0	0.47	ug/kg wet	33.4	67	65-146			
Vinyl chloride		50.0	5.0	0.61	ug/kg wet	40.5	81	67-127			
Xylenes, total		150	10	0.84	ug/kg wet	146	97	82-120			
Surrogate:					ug/kg wet		87	64-126			
1,2-Dichloroethane-d4					ug/kg wet		110	72-126			
Surrogate:					ug/kg wet						
4-Bromofluorobenzene					ug/kg wet		106	71-125			
Surrogate: Toluene-d8					ug/kg wet						

Matrix Spike Analyzed: 05/25/10 (Lab Number:10E1995-MS1, Batch: 10E1995)

QC Source Sample: RTE1215-04

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 05/25/10 (Lab Number:10E1995-MS1, Batch: 10E1995)											
QC Source Sample: RTE1215-04											
1,1,1-Trichloroethane	ND	47.5	4.8	0.34	ug/kg dry	39.1	82	82-116			
1,1,2,2-Tetrachloroethane	ND	47.5	4.8	0.77	ug/kg dry	37.9	80	80-120			
1,1,2-Trichloroethane	ND	47.5	4.8	0.62	ug/kg dry	41.3	87	78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	47.5	4.8	1.1	ug/kg dry	25.4	54	60-140			M8
1,1-Dichloroethane	ND	47.5	4.8	0.58	ug/kg dry	39.4	83	79-126			
1,1-Dichloroethene	ND	47.5	4.8	0.58	ug/kg dry	35.6	75	70-142			
1,2,4-Trichlorobenzene	ND	47.5	4.8	0.29	ug/kg dry	32.9	69	74-120			M8
1,2-Dibromo-3-chloropropane	ND	47.5	4.8	2.4	ug/kg dry	26.6	56	66-122			M8
1,2-Dibromoethane	ND	47.5	4.8	0.61	ug/kg dry	41.0	86	78-120			
1,2-Dichlorobenzene	ND	47.5	4.8	0.37	ug/kg dry	39.5	83	82-114			
1,2-Dichloroethane	ND	47.5	4.8	0.24	ug/kg dry	36.3	77	77-122			
1,2-Dichloropropane	ND	47.5	4.8	2.4	ug/kg dry	41.5	87	81-119			
1,3-Dichlorobenzene	ND	47.5	4.8	0.24	ug/kg dry	39.2	83	82-114			
1,4-Dichlorobenzene	ND	47.5	4.8	0.67	ug/kg dry	39.2	83	82-113			
2-Butanone	2.59	238	24	1.7	ug/kg dry	143	59	70-134			M8
2-Hexanone	ND	238	24	2.4	ug/kg dry	156	66	72-130			M8
4-Methyl-2-pentanone	ND	238	24	1.6	ug/kg dry	161	68	74-128			M8
Acetone	14.7	238	24	4.0	ug/kg dry	129	48	61-137			M8
Benzene	ND	47.5	4.8	0.23	ug/kg dry	41.5	87	79-127			
Bromodichloromethane	ND	47.5	4.8	0.64	ug/kg dry	36.0	76	80-122			M8
Bromoform	ND	47.5	4.8	2.4	ug/kg dry	28.7	60	68-126			M8
Bromomethane	ND	47.5	4.8	0.43	ug/kg dry	37.1	78	45-151			
Carbon disulfide	ND	47.5	4.8	2.4	ug/kg dry	23.3	49	64-131			M8
Carbon Tetrachloride	ND	47.5	4.8	0.46	ug/kg dry	31.9	67	75-128			M8
Chlorobenzene	ND	47.5	4.8	0.63	ug/kg dry	42.3	89	78-123			
Dibromochloromethane	ND	47.5	4.8	0.61	ug/kg dry	34.2	72	76-125			M8
Chloroethane	ND	47.5	4.8	1.1	ug/kg dry	34.5	73	69-136			
Chloroform	ND	47.5	4.8	0.29	ug/kg dry	40.8	86	80-118			
Chloromethane	ND	47.5	4.8	0.29	ug/kg dry	37.0	78	63-127			
cis-1,2-Dichloroethene	ND	47.5	4.8	0.61	ug/kg dry	41.4	87	81-117			
cis-1,3-Dichloropropene	ND	47.5	4.8	0.68	ug/kg dry	37.1	78	82-120			M8
Cyclohexane	2.59	47.5	4.8	0.67	ug/kg dry	30.6	59	70-130			M8
Dichlorodifluoromethane	ND	47.5	4.8	0.39	ug/kg dry	37.5	79	57-142			
Ethylbenzene	ND	47.5	4.8	0.33	ug/kg dry	40.9	86	83-120			
Isopropylbenzene	ND	47.5	4.8	0.72	ug/kg dry	39.2	82	72-120			
Methyl Acetate	ND	47.5	4.8	0.88	ug/kg dry	32.5	68	60-140			

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Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
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Received: 05/25/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Volatile Organic Compounds by EPA 8260B

Matrix Spike Analyzed: 05/25/10 (Lab Number:10E1995-MS1, Batch: 10E1995)

QC Source Sample: RTE1215-04

Methyl-t-Butyl Ether (MTBE)	ND	47.5	4.8	0.47	ug/kg dry	35.5	75	74-129			
Methylcyclohexane	ND	47.5	4.8	0.72	ug/kg dry	29.7	63	74-125			M8
Methylene Chloride	5.86	47.5	4.8	2.2	ug/kg dry	45.5	83	61-127			B
Styrene	ND	47.5	4.8	0.24	ug/kg dry	42.3	89	80-120			
Tetrachloroethene	ND	47.5	4.8	0.64	ug/kg dry	40.4	85	77-120			
Toluene	ND	47.5	4.8	0.36	ug/kg dry	42.3	89	74-128			
trans-1,2-Dichloroethene	ND	47.5	4.8	0.49	ug/kg dry	40.5	85	78-126			
trans-1,3-Dichloropropene	ND	47.5	4.8	2.1	ug/kg dry	35.4	74	80-119			M8
Trichloroethene	ND	47.5	4.8	1.0	ug/kg dry	40.9	86	79-121			
Trichlorofluoromethane	ND	47.5	4.8	0.45	ug/kg dry	33.5	71	65-146			
Vinyl chloride	ND	47.5	4.8	0.58	ug/kg dry	35.0	74	67-127			
Xylenes, total	ND	143	9.5	0.80	ug/kg dry	123	86	82-120			
<i>Surrogate:</i>						<i>ug/kg dry</i>	<i>84</i>	<i>64-126</i>			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>						<i>ug/kg dry</i>	<i>112</i>	<i>72-126</i>			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>						<i>ug/kg dry</i>	<i>108</i>	<i>71-125</i>			

Matrix Spike Dup Analyzed: 05/25/10 (Lab Number:10E1995-MSD1, Batch: 10E1995)

QC Source Sample: RTE1215-04

1,1,1-Trichloroethane	ND	48.7	4.9	0.35	ug/kg dry	34.7	71	82-116	12	15	M8
1,1,2,2-Tetrachloroethane	ND	48.7	4.9	0.79	ug/kg dry	35.5	73	80-120	7	15	M8
1,1,2-Trichloroethane	ND	48.7	4.9	0.63	ug/kg dry	38.3	79	78-122	7	15	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	48.7	4.9	1.1	ug/kg dry	23.1	47	60-140	9	20	M8
1,1-Dichloroethane	ND	48.7	4.9	0.59	ug/kg dry	35.7	73	79-126	10	19	M8
1,1-Dichloroethene	ND	48.7	4.9	0.60	ug/kg dry	33.4	68	70-142	6	31	M8
1,2,4-Trichlorobenzene	ND	48.7	4.9	0.30	ug/kg dry	30.6	63	74-120	7	20	M8
1,2-Dibromo-3-chloropropane	ND	48.7	4.9	2.4	ug/kg dry	25.3	52	66-122	5	20	M8
1,2-Dibromoethane	ND	48.7	4.9	0.63	ug/kg dry	37.8	78	78-120	8	20	
1,2-Dichlorobenzene	ND	48.7	4.9	0.38	ug/kg dry	37.0	76	82-114	7	20	M8
1,2-Dichloroethane	ND	48.7	4.9	0.24	ug/kg dry	33.6	69	77-122	8	15	M8
1,2-Dichloropropane	ND	48.7	4.9	2.4	ug/kg dry	38.1	78	81-119	9	15	M8
1,3-Dichlorobenzene	ND	48.7	4.9	0.25	ug/kg dry	36.2	74	82-114	8	20	M8
1,4-Dichlorobenzene	ND	48.7	4.9	0.68	ug/kg dry	36.6	75	82-113	7	20	M8
2-Butanone	2.59	244	24	1.8	ug/kg dry	132	53	70-134	8	15	M8
2-Hexanone	ND	244	24	2.4	ug/kg dry	146	60	72-130	7	15	M8

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SDG Number: RTE1214
Project: New York State Project
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 05/25/10 (Lab Number:10E1995-MSD1, Batch: 10E1995)											
QC Source Sample: RTE1215-04											
4-Methyl-2-pentanone	ND	244	24	1.6	ug/kg dry	150	61	74-128	7	35	M8
Acetone	14.7	244	24	4.1	ug/kg dry	125	45	61-137	3	15	M8
Benzene	ND	48.7	4.9	0.24	ug/kg dry	37.6	77	79-127	10	13	M8
Bromodichloromethane	ND	48.7	4.9	0.65	ug/kg dry	33.1	68	80-122	8	15	M8
Bromoform	ND	48.7	4.9	2.4	ug/kg dry	27.0	55	68-126	6	15	M8
Bromomethane	ND	48.7	4.9	0.44	ug/kg dry	33.8	69	45-151	9	15	
Carbon disulfide	ND	48.7	4.9	2.4	ug/kg dry	20.7	42	64-131	12	15	M8
Carbon Tetrachloride	ND	48.7	4.9	0.47	ug/kg dry	27.8	57	75-128	14	15	M8
Chlorobenzene	ND	48.7	4.9	0.64	ug/kg dry	38.1	78	78-123	10	15	
Dibromochloromethane	ND	48.7	4.9	0.62	ug/kg dry	31.8	65	76-125	7	15	M8
Chloroethane	ND	48.7	4.9	1.1	ug/kg dry	30.2	62	69-136	13	15	M8
Chloroform	ND	48.7	4.9	0.30	ug/kg dry	37.0	76	80-118	10	17	M8
Chloromethane	ND	48.7	4.9	0.29	ug/kg dry	33.1	68	63-127	11	18	
cis-1,2-Dichloroethene	ND	48.7	4.9	0.62	ug/kg dry	37.7	77	81-117	9	15	M8
cis-1,3-Dichloropropene	ND	48.7	4.9	0.70	ug/kg dry	34.6	71	82-120	7	15	M8
Cyclohexane	2.59	48.7	4.9	0.68	ug/kg dry	26.6	49	70-130	14	20	M8
Dichlorodifluoromethane	ND	48.7	4.9	0.40	ug/kg dry	32.1	66	57-142	16	20	
Ethylbenzene	ND	48.7	4.9	0.34	ug/kg dry	36.6	75	83-120	11	15	M8
Isopropylbenzene	ND	48.7	4.9	0.74	ug/kg dry	34.9	72	72-120	11	20	
Methyl Acetate	ND	48.7	4.9	0.91	ug/kg dry	30.7	63	60-140	6	20	
Methyl-t-Butyl Ether (MTBE)	ND	48.7	4.9	0.48	ug/kg dry	33.3	68	74-129	7	37	M8
Methylcyclohexane	ND	48.7	4.9	0.74	ug/kg dry	25.1	51	74-125	17	20	M8
Methylene Chloride	5.86	48.7	4.9	2.2	ug/kg dry	42.8	76	61-127	6	15	B
Styrene	ND	48.7	4.9	0.24	ug/kg dry	38.8	80	80-120	9	15	
Tetrachloroethene	ND	48.7	4.9	0.65	ug/kg dry	35.4	73	77-120	13	15	M8
Toluene	ND	48.7	4.9	0.37	ug/kg dry	38.3	79	74-128	10	15	
trans-1,2-Dichloroethene	ND	48.7	4.9	0.50	ug/kg dry	35.9	74	78-126	12	20	M8
trans-1,3-Dichloropropene	ND	48.7	4.9	2.1	ug/kg dry	32.8	67	80-119	8	15	M8
Trichloroethene	ND	48.7	4.9	1.1	ug/kg dry	36.8	75	79-121	11	24	M8
Trichlorofluoromethane	ND	48.7	4.9	0.46	ug/kg dry	28.6	59	65-146	16	20	M8
Vinyl chloride	ND	48.7	4.9	0.59	ug/kg dry	31.0	64	67-127	12	15	M8
Xylenes, total	ND	146	9.7	0.82	ug/kg dry	112	76	82-120	10	16	M8

Surrogate: 1,2-Dichloroethane-d4 ug/kg dry 77 64-126
Surrogate: 4-Bromofluorobenzene ug/kg dry 104 72-126
Surrogate: Toluene-d8 ug/kg dry 99 71-125

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
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SDG Number: RTE1214

Project: New York State Project
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Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 05/26/10 (Lab Number:10E2043-BLK1, Batch: 10E2043)

1,1,1-Trichloroethane	1.0	0.82	ug/L	ND
1,1,2,2-Tetrachloroethane	1.0	0.21	ug/L	ND
1,1,2-Trichloroethane	1.0	0.23	ug/L	ND
1,1,2-Trichlorotrifluoroethane	1.0	0.31	ug/L	ND
1,1-Dichloroethane	1.0	0.38	ug/L	ND
1,1-Dichloroethene	1.0	0.29	ug/L	ND
1,2,4-Trichlorobenzene	1.0	0.41	ug/L	ND
1,2-Dibromo-3-chloropropane	1.0	0.39	ug/L	ND
1,2-Dibromoethane (EDB)	1.0	0.73	ug/L	ND
1,2-Dichlorobenzene	1.0	0.79	ug/L	ND
1,2-Dichloroethane	1.0	0.21	ug/L	ND
1,2-Dichloropropane	1.0	0.72	ug/L	ND
1,3-Dichlorobenzene	1.0	0.78	ug/L	ND
1,4-Dichlorobenzene	1.0	0.84	ug/L	ND
2-Butanone (MEK)	5.0	1.3	ug/L	ND
2-Hexanone	5.0	1.2	ug/L	ND
4-Methyl-2-pentanone (MIBK)	5.0	2.1	ug/L	ND
Acetone	5.0	3.0	ug/L	ND
Benzene	1.0	0.41	ug/L	ND
Bromodichloromethane	1.0	0.39	ug/L	ND
Bromoform	1.0	0.26	ug/L	ND
Bromomethane	1.0	0.69	ug/L	ND
Carbon disulfide	1.0	0.19	ug/L	ND
Carbon Tetrachloride	1.0	0.27	ug/L	ND
Chlorobenzene	1.0	0.75	ug/L	ND
Chlorodibromomethane	1.0	0.32	ug/L	ND
Chloroethane	1.0	0.32	ug/L	ND
Chloroform	1.0	0.34	ug/L	ND
Chloromethane	1.0	0.35	ug/L	ND
cis-1,2-Dichloroethene	1.0	0.81	ug/L	ND
cis-1,3-Dichloropropene	1.0	0.36	ug/L	ND
Cyclohexane	1.0	0.18	ug/L	ND
Dichlorodifluoromethane	1.0	0.68	ug/L	ND
Ethylbenzene	1.0	0.74	ug/L	ND
Isopropylbenzene	1.0	0.79	ug/L	ND
Methyl Acetate	1.0	0.50	ug/L	ND
Methyl tert-Butyl Ether	1.0	0.16	ug/L	ND
Methylcyclohexane	1.0	0.16	ug/L	ND

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SDG Number: RTE1214

Project: New York State Project
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/26/10 (Lab Number:10E2043-BLK1, Batch: 10E2043)											
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate:											
1,2-Dichloroethane-d4					ug/L		107	66-137			
Surrogate:											
4-Bromofluorobenzene					ug/L		109	73-120			
Surrogate: Toluene-d8											
					ug/L		109	71-126			
LCS Analyzed: 05/26/10 (Lab Number:10E2043-BS1, Batch: 10E2043)											
1,1,1-Trichloroethane		25.0	1.0	0.82	ug/L	25.3	101	73-126			
1,1,2,2-Tetrachloroethane		25.0	1.0	0.21	ug/L	26.7	107	70-126			
1,1,2-Trichloroethane		25.0	1.0	0.23	ug/L	26.6	107	76-122			
1,1,2-Trichlorotrifluoroethane		25.0	1.0	0.31	ug/L	26.3	105	60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	25.5	102	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	25.9	104	65-138			
1,2,4-Trichlorobenzene		25.0	1.0	0.41	ug/L	25.1	100	70-122			
1,2-Dibromo-3-chloropropane		25.0	1.0	0.39	ug/L	22.3	89	56-134			
1,2-Dibromoethane (EDB)		25.0	1.0	0.73	ug/L	26.5	106	77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	25.3	101	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	24.8	99	75-127			
1,2-Dichloropropane		25.0	1.0	0.72	ug/L	26.3	105	76-120			
1,3-Dichlorobenzene		25.0	1.0	0.78	ug/L	24.9	100	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	24.6	98	75-120			
2-Butanone (MEK)		125	5.0	1.3	ug/L	143	114	57-140			
2-Hexanone		125	5.0	1.2	ug/L	146	117	65-127			
4-Methyl-2-pentanone (MIBK)		125	5.0	2.1	ug/L	143	115	71-125			
Acetone		125	5.0	3.0	ug/L	138	110	56-142			
Benzene		25.0	1.0	0.41	ug/L	25.8	103	71-124			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/26/10 (Lab Number:10E2043-BS1, Batch: 10E2043)											
Bromodichloromethane		25.0	1.0	0.39	ug/L	26.3	105	80-122			
Bromoform		25.0	1.0	0.26	ug/L	20.4	82	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	19.5	78	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	24.9	100	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	26.0	104	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	25.6	102	72-120			
Chlorodibromomethane		25.0	1.0	0.32	ug/L	22.2	89	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	29.7	119	69-136			
Chloroform		25.0	1.0	0.34	ug/L	25.0	100	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	25.5	102	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	25.4	102	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	27.2	109	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	27.0	108	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	24.1	96	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	25.2	101	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	24.8	99	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	28.6	114	60-140			
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	26.1	104	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	26.8	107	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	26.2	105	57-132			
Styrene		25.0	1.0	0.73	ug/L	26.2	105	70-130			
Tetrachloroethene		25.0	1.0	0.36	ug/L	25.8	103	74-122			
Toluene		25.0	1.0	0.51	ug/L	25.4	102	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	25.6	102	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	27.2	109	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	24.9	100	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	23.2	93	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	24.9	100	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	76.5	102	76-122			
<i>Surrogate:</i>					ug/L		101	66-137			
<i>1,2-Dichloroethane-d4</i>					ug/L		111	73-120			
<i>Surrogate:</i>					ug/L						
<i>4-Bromofluorobenzene</i>					ug/L		106	71-126			
<i>Surrogate: Toluene-d8</i>					ug/L						

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Project: New York State Project
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/26/10 (Lab Number:10E1965-BLK1, Batch: 10E1965)											
2,4,5-Trichlorophenol			170	37	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.8	ug/kg wet	ND					
2,4-Dimethylphenol			170	46	ug/kg wet	ND					
2,4-Dinitrophenol			330	59	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.6	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.2	ug/kg wet	ND					
2-Nitroaniline			330	54	ug/kg wet	ND					
2-Nitrophenol			170	7.7	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	39	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	54	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	50	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.6	ug/kg wet	ND					
4-Methylphenol			330	9.4	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	41	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.7	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.5	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.1	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.3	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.9	ug/kg wet	ND					
Biphenyl			170	11	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Blank Analyzed: 05/26/10 (Lab Number:10E1965-BLK1, Batch: 10E1965)											
Bis(2-chloroethoxy)methane			170	9.2	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	15	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	18	ug/kg wet	ND					
Bis(2-ethylhexyl)phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	73	ug/kg wet	ND					
Carbazole			170	2.0	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.8	ug/kg wet	ND					
Diethyl phthalate			170	5.1	ug/kg wet	ND					
Dimethyl phthalate			170	4.4	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.9	ug/kg wet	ND					
Hexachlorobenzene			170	8.4	ug/kg wet	ND					
Hexachlorobutadiene			170	8.6	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	51	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.7	ug/kg wet	ND					
Isophorone			170	8.4	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.5	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.2	ug/kg wet	ND					
Pentachlorophenol			330	58	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					ug/kg wet		90	39-146			
Surrogate: 2-Fluorobiphenyl					ug/kg wet		85	37-120			
Surrogate: 2-Fluorophenol					ug/kg wet		74	18-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/26/10 (Lab Number:10E1965-BLK1, Batch: 10E1965)											
Surrogate:					ug/kg wet		74	34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet		80	11-120			
Surrogate:					ug/kg wet		87	58-147			
p-Terphenyl-d14											
LCS Analyzed: 05/26/10 (Lab Number:10E1965-BS1, Batch: 10E1965)											
2,4,5-Trichlorophenol		3270	170	36	ug/kg wet	3640	111	59-126			
2,4,6-Trichlorophenol		3270	170	11	ug/kg wet	3600	110	59-123			
2,4-Dichlorophenol		3270	170	8.7	ug/kg wet	3080	94	52-120			
2,4-Dimethylphenol		3270	170	45	ug/kg wet	3000	92	36-120			
2,4-Dinitrophenol		3270	320	58	ug/kg wet	3650	111	35-146			
2,4-Dinitrotoluene		3270	170	26	ug/kg wet	4110	125	55-125			
2,6-Dinitrotoluene		3270	170	41	ug/kg wet	4050	124	66-128			
2-Chloronaphthalene		3270	170	11	ug/kg wet	3140	96	57-120			
2-Chlorophenol		3270	170	8.4	ug/kg wet	2670	82	38-120			
2-Methylnaphthalene		3270	170	2.0	ug/kg wet	3090	94	47-120			
2-Methylphenol		3270	170	5.1	ug/kg wet	2900	89	48-120			
2-Nitroaniline		3270	320	53	ug/kg wet	3900	119	61-130			
2-Nitrophenol		3270	170	7.6	ug/kg wet	3010	92	50-120			
3,3'-Dichlorobenzidine		3270	170	150	ug/kg wet	5110	156	48-126			L1
3-Nitroaniline		3270	320	38	ug/kg wet	3700	113	61-127			
4,6-Dinitro-2-methylphenol		3270	320	57	ug/kg wet	4200	128	49-155			
4-Bromophenyl phenyl ether		3270	170	53	ug/kg wet	3790	116	58-131			
4-Chloro-3-methylphenol		3270	170	6.8	ug/kg wet	3720	114	49-125			
4-Chloroaniline		3270	170	49	ug/kg wet	3160	96	49-120			
4-Chlorophenyl phenyl ether		3270	170	3.5	ug/kg wet	3390	104	63-124			
4-Methylphenol		3270	320	9.2	ug/kg wet	3160	97	50-119			
4-Nitroaniline		3270	320	19	ug/kg wet	3910	119	63-128			
4-Nitrophenol		3270	320	40	ug/kg wet	4310	132	43-137			
Acenaphthene		3270	170	1.9	ug/kg wet	3410	104	53-120			
Acenaphthylene		3270	170	1.4	ug/kg wet	3420	104	58-121			
Acetophenone		3270	170	8.5	ug/kg wet	2960	91	66-120			
Anthracene		3270	170	4.2	ug/kg wet	3820	117	62-129			
Atrazine		3270	170	7.4	ug/kg wet	3940	120	73-133			
Benzaldehyde		3270	170	18	ug/kg wet	2860	87	21-120			
Benzo(a)anthracene		3270	170	2.9	ug/kg wet	3920	120	65-133			
Benzo(a)pyrene		3270	170	4.0	ug/kg wet	4500	137	64-127			L1

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Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/26/10 (Lab Number:10E1965-BS1, Batch: 10E1965)											
Benzo(b)fluoranthene		3270	170	3.2	ug/kg wet	3940	120	64-135			
Benzo(ghi)perylene		3270	170	2.0	ug/kg wet	3950	121	50-152			
Benzo(k)fluoranthene		3270	170	1.8	ug/kg wet	3680	112	58-138			
Biphenyl		3270	170	10	ug/kg wet	3050	93	71-120			
Bis(2-chloroethoxy)methane		3270	170	9.0	ug/kg wet	2620	80	61-133			
Bis(2-chloroethyl)ether		3270	170	14	ug/kg wet	2450	75	45-120			
2,2'-Oxybis(1-Chloropropane)		3270	170	17	ug/kg wet	2480	76	44-120			
Bis(2-ethylhexyl)phthalate		3270	170	53	ug/kg wet	3960	121	61-133			
Butyl benzyl phthalate		3270	170	45	ug/kg wet	4190	128	61-129			
Caprolactam		3270	170	72	ug/kg wet	3970	121	54-133			
Carbazole		3270	170	1.9	ug/kg wet	3850	118	59-129			
Chrysene		3270	170	1.7	ug/kg wet	3970	121	64-131			
Dibenzo(a,h)anthracene		3270	170	2.0	ug/kg wet	3930	120	54-148			
Dibenzofuran		3270	170	1.7	ug/kg wet	3410	104	56-120			
Diethyl phthalate		3270	170	5.0	ug/kg wet	3870	118	66-126			
Dimethyl phthalate		3270	170	4.3	ug/kg wet	3710	113	65-124			
Di-n-butyl phthalate		3270	170	57	ug/kg wet	3940	120	58-130			
Di-n-octyl phthalate		3270	170	3.9	ug/kg wet	4270	131	62-133			
Fluoranthene		3270	170	2.4	ug/kg wet	3900	119	62-131			
Fluorene		3270	170	3.8	ug/kg wet	3690	113	63-126			
Hexachlorobenzene		3270	170	8.2	ug/kg wet	3680	112	60-132			
Hexachlorobutadiene		3270	170	8.5	ug/kg wet	2590	79	45-120			
Hexachlorocyclopentadiene		3270	170	50	ug/kg wet	2650	81	31-120			
Hexachloroethane		3270	170	13	ug/kg wet	2560	78	41-120			
Indeno(1,2,3-cd)pyrene		3270	170	4.6	ug/kg wet	3930	120	56-149			
Isophorone		3270	170	8.3	ug/kg wet	2890	88	56-120			
Naphthalene		3270	170	2.8	ug/kg wet	2860	87	46-120			
Nitrobenzene		3270	170	7.4	ug/kg wet	2750	84	49-120			
N-Nitrosodi-n-propylamine		3270	170	13	ug/kg wet	2890	88	46-120			
N-Nitrosodiphenylamine		3270	170	9.1	ug/kg wet	4740	145	20-119			L1
Pentachlorophenol		3270	320	57	ug/kg wet	4170	127	33-136			
Phenanthrene		3270	170	3.5	ug/kg wet	3770	115	60-130			
Phenol		3270	170	17	ug/kg wet	2840	87	36-120			
Pyrene		3270	170	1.1	ug/kg wet	3930	120	51-133			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/26/10 (Lab Number:10E1965-BS1, Batch: 10E1965)											
Surrogate:					ug/kg wet	116		39-146			
2,4,6-Tribromophenol											
Surrogate:					ug/kg wet	91		37-120			
2-Fluorobiphenyl											
Surrogate:					ug/kg wet	71		18-120			
2-Fluorophenol											
Surrogate:					ug/kg wet	76		34-132			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg wet	81		11-120			
Surrogate:					ug/kg wet	104		58-147			
p-Terphenyl-d14											
Matrix Spike Analyzed: 05/27/10 (Lab Number:10E1965-MS1, Batch: 10E1965)											
QC Source Sample: RTE1215-04											
2,4,5-Trichlorophenol	ND	3720	190	41	ug/kg dry	4040	109	59-126			
2,4,6-Trichlorophenol	ND	3720	190	12	ug/kg dry	3990	107	59-123			
2,4-Dichlorophenol	ND	3720	190	9.9	ug/kg dry	3600	97	52-120			
2,4-Dimethylphenol	ND	3720	190	51	ug/kg dry	3470	93	36-120			
2,4-Dinitrophenol	ND	3720	370	66	ug/kg dry	3880	104	35-146			
2,4-Dinitrotoluene	ND	3720	190	29	ug/kg dry	4390	118	55-125			
2,6-Dinitrotoluene	ND	3720	190	46	ug/kg dry	4270	115	66-128			
2-Chloronaphthalene	ND	3720	190	13	ug/kg dry	3670	99	57-120			
2-Chlorophenol	ND	3720	190	9.6	ug/kg dry	3030	82	38-120			
2-Methylnaphthalene	ND	3720	190	2.3	ug/kg dry	3630	98	47-120			
2-Methylphenol	ND	3720	190	5.8	ug/kg dry	3280	88	48-120			
2-Nitroaniline	ND	3720	370	60	ug/kg dry	4270	115	61-130			
2-Nitrophenol	ND	3720	190	8.6	ug/kg dry	3500	94	50-120			
3,3'-Dichlorobenzidine	ND	3720	190	160	ug/kg dry	5250	141	48-126			M11
3-Nitroaniline	ND	3720	370	43	ug/kg dry	4070	109	61-127			
4,6-Dinitro-2-methylphenol	ND	3720	370	65	ug/kg dry	4460	120	49-155			
4-Bromophenyl phenyl ether	ND	3720	190	60	ug/kg dry	3990	107	58-131			
4-Chloro-3-methylphenol	ND	3720	190	7.7	ug/kg dry	4050	109	49-125			
4-Chloroaniline	ND	3720	190	55	ug/kg dry	3490	94	49-120			
4-Chlorophenyl phenyl ether	ND	3720	190	4.0	ug/kg dry	3690	99	63-124			
4-Methylphenol	ND	3720	370	10	ug/kg dry	3530	95	50-119			
4-Nitroaniline	ND	3720	370	21	ug/kg dry	4190	113	63-128			
4-Nitrophenol	ND	3720	370	46	ug/kg dry	4560	123	43-137			
Acenaphthene	ND	3720	190	2.2	ug/kg dry	3860	104	53-120			
Acenaphthylene	ND	3720	190	1.5	ug/kg dry	3880	104	58-121			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Analyzed: 05/27/10 (Lab Number:10E1965-MS1, Batch: 10E1965)											
QC Source Sample: RTE1215-04											
Acetophenone	ND	3720	190	9.7	ug/kg dry	3270	88	66-120			
Anthracene	ND	3720	190	4.8	ug/kg dry	3960	107	62-129			
Atrazine	ND	3720	190	8.4	ug/kg dry	4070	110	73-133			
Benzaldehyde	ND	3720	190	21	ug/kg dry	3320	89	21-120			
Benzo(a)anthracene	21.2	3720	190	3.2	ug/kg dry	3950	106	65-133			
Benzo(a)pyrene	26.3	3720	190	4.5	ug/kg dry	4470	120	64-127			
Benzo(b)fluoranthene	31.4	3720	190	3.7	ug/kg dry	4070	109	64-135			
Benzo(ghi)perylene	22.3	3720	190	2.3	ug/kg dry	4730	127	50-152			
Benzo(k)fluoranthene	13.1	3720	190	2.1	ug/kg dry	3460	93	58-138			
Biphenyl	ND	3720	190	12	ug/kg dry	3540	95	71-120			
Bis(2-chloroethoxy)methane	ND	3720	190	10	ug/kg dry	2930	79	61-133			
Bis(2-chloroethyl)ether	ND	3720	190	16	ug/kg dry	2710	73	45-120			
2,2'-Oxybis(1-Chloropropane)	ND	3720	190	20	ug/kg dry	2720	73	44-120			
Bis(2-ethylhexyl)phthalate	ND	3720	190	61	ug/kg dry	3860	104	61-133			
Butyl benzyl phthalate	ND	3720	190	51	ug/kg dry	4100	110	61-129			
Caprolactam	ND	3720	190	81	ug/kg dry	4020	108	54-133			
Carbazole	ND	3720	190	2.2	ug/kg dry	4000	108	59-129			
Chrysene	23.4	3720	190	1.9	ug/kg dry	4000	107	64-131			
Dibenzo(a,h)anthracene	ND	3720	190	2.2	ug/kg dry	4200	113	54-148			
Dibenzofuran	ND	3720	190	2.0	ug/kg dry	3820	103	56-120			
Diethyl phthalate	ND	3720	190	5.7	ug/kg dry	4090	110	66-126			
Dimethyl phthalate	ND	3720	190	4.9	ug/kg dry	3880	104	65-124			
Di-n-butyl phthalate	ND	3720	190	65	ug/kg dry	4040	109	58-130			
Di-n-octyl phthalate	ND	3720	190	4.4	ug/kg dry	4200	113	62-133			
Fluoranthene	42.7	3720	190	2.7	ug/kg dry	4060	108	62-131			
Fluorene	ND	3720	190	4.3	ug/kg dry	3980	107	63-126			
Hexachlorobenzene	ND	3720	190	9.3	ug/kg dry	3870	104	60-132			
Hexachlorobutadiene	ND	3720	190	9.6	ug/kg dry	3120	84	45-120			
Hexachlorocyclopentadiene	ND	3720	190	57	ug/kg dry	3070	83	31-120			
Hexachloroethane	ND	3720	190	15	ug/kg dry	2910	78	41-120			
Indeno(1,2,3-cd)pyrene	17.5	3720	190	5.2	ug/kg dry	4260	114	56-149			
Isophorone	ND	3720	190	9.4	ug/kg dry	3280	88	56-120			
Naphthalene	ND	3720	190	3.1	ug/kg dry	3290	89	46-120			
Nitrobenzene	ND	3720	190	8.3	ug/kg dry	3170	85	49-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

Matrix Spike Analyzed: 05/27/10 (Lab Number:10E1965-MS1, Batch: 10E1965)

QC Source Sample: RTE1215-04

N-Nitrosodi-n-propylamine	ND	3720	190	15	ug/kg dry	3120	84	46-120			
N-Nitrosodiphenylamine	ND	3720	190	10	ug/kg dry	4900	132	20-119			M11
Pentachlorophenol	ND	3720	370	65	ug/kg dry	4370	118	33-136			
Phenanthrene	19.3	3720	190	3.9	ug/kg dry	4010	107	60-130			
Phenol	ND	3720	190	20	ug/kg dry	3200	86	36-120			
Pyrene	36.5	3720	190	1.2	ug/kg dry	3950	105	51-133			

Surrogate:					ug/kg dry		108	39-146			
2,4,6-Tribromophenol					ug/kg dry		93	37-120			
Surrogate:					ug/kg dry		71	18-120			
2-Fluorobiphenyl					ug/kg dry		77	34-132			
Surrogate:					ug/kg dry		81	11-120			
2-Fluorophenol					ug/kg dry		89	58-147			
Surrogate:					ug/kg dry						
Nitrobenzene-d5					ug/kg dry						
Surrogate: Phenol-d5					ug/kg dry						
Surrogate:					ug/kg dry						
p-Terphenyl-d14					ug/kg dry						

Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E1965-MSD1, Batch: 10E1965)

QC Source Sample: RTE1215-04

2,4,5-Trichlorophenol	ND	3600	180	40	ug/kg dry	3550	99	59-126	13	18	
2,4,6-Trichlorophenol	ND	3600	180	12	ug/kg dry	3470	96	59-123	14	19	
2,4-Dichlorophenol	ND	3600	180	9.6	ug/kg dry	3140	87	52-120	14	19	
2,4-Dimethylphenol	ND	3600	180	49	ug/kg dry	3020	84	36-120	14	42	
2,4-Dinitrophenol	ND	3600	360	64	ug/kg dry	3240	90	35-146	18	22	
2,4-Dinitrotoluene	ND	3600	180	28	ug/kg dry	3800	106	55-125	14	20	
2,6-Dinitrotoluene	ND	3600	180	45	ug/kg dry	3700	103	66-128	14	15	
2-Chloronaphthalene	ND	3600	180	12	ug/kg dry	3130	87	57-120	16	21	
2-Chlorophenol	ND	3600	180	9.3	ug/kg dry	2690	75	38-120	12	25	
2-Methylnaphthalene	ND	3600	180	2.2	ug/kg dry	3140	87	47-120	15	21	
2-Methylphenol	ND	3600	180	5.6	ug/kg dry	2870	80	48-120	13	27	
2-Nitroaniline	ND	3600	360	58	ug/kg dry	3690	102	61-130	15	15	
2-Nitrophenol	ND	3600	180	8.3	ug/kg dry	3080	86	50-120	13	18	
3,3'-Dichlorobenzidine	ND	3600	180	160	ug/kg dry	4840	134	48-126	8	25	M11
3-Nitroaniline	ND	3600	360	42	ug/kg dry	3560	99	61-127	13	19	
4,6-Dinitro-2-methylphenol	ND	3600	360	63	ug/kg dry	3860	107	49-155	14	15	
4-Bromophenyl phenyl ether	ND	3600	180	58	ug/kg dry	3520	98	58-131	12	15	
4-Chloro-3-methylphenol	ND	3600	180	7.5	ug/kg dry	3480	97	49-125	15	27	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E1965-MSD1, Batch: 10E1965)											
QC Source Sample: RTE1215-04											
4-Chloroaniline	ND	3600	180	54	ug/kg dry	3050	85	49-120	13	22	
4-Chlorophenyl phenyl ether	ND	3600	180	3.9	ug/kg dry	3260	90	63-124	12	16	
4-Methylphenol	ND	3600	360	10	ug/kg dry	3120	87	50-119	12	24	
4-Nitroaniline	ND	3600	360	20	ug/kg dry	3660	102	63-128	13	24	
4-Nitrophenol	ND	3600	360	44	ug/kg dry	3910	108	43-137	15	25	
Acenaphthene	ND	3600	180	2.1	ug/kg dry	3320	92	53-120	15	35	
Acenaphthylene	ND	3600	180	1.5	ug/kg dry	3360	93	58-121	14	18	
Acetophenone	ND	3600	180	9.4	ug/kg dry	2930	81	66-120	11	20	
Anthracene	ND	3600	180	4.7	ug/kg dry	3470	96	62-129	13	15	
Atrazine	ND	3600	180	8.1	ug/kg dry	3620	101	73-133	12	20	
Benzaldehyde	ND	3600	180	20	ug/kg dry	2920	81	21-120	13	20	
Benzo(a)anthracene	21.2	3600	180	3.1	ug/kg dry	3550	98	65-133	11	15	
Benzo(a)pyrene	26.3	3600	180	4.4	ug/kg dry	4010	111	64-127	11	15	
Benzo(b)fluoranthene	31.4	3600	180	3.5	ug/kg dry	3370	93	64-135	19	15	R2
Benzo(ghi)perylene	22.3	3600	180	2.2	ug/kg dry	4240	117	50-152	11	15	
Benzo(k)fluoranthene	13.1	3600	180	2.0	ug/kg dry	3400	94	58-138	2	22	
Biphenyl	ND	3600	180	11	ug/kg dry	3050	85	71-120	15	20	
Bis(2-chloroethoxy)methane	ND	3600	180	9.9	ug/kg dry	2630	73	61-133	11	17	
Bis(2-chloroethyl)ether	ND	3600	180	16	ug/kg dry	2480	69	45-120	9	21	
2,2'-Oxybis(1-Chloropropene)	ND	3600	180	19	ug/kg dry	2500	69	44-120	9	24	
Bis(2-ethylhexyl)phthalate	ND	3600	180	59	ug/kg dry	3500	97	61-133	10	15	
Butyl benzyl phthalate	ND	3600	180	49	ug/kg dry	3640	101	61-129	12	16	
Caprolactam	ND	3600	180	79	ug/kg dry	3650	101	54-133	10	20	
Carbazole	ND	3600	180	2.1	ug/kg dry	3480	97	59-129	14	20	
Chrysene	23.4	3600	180	1.8	ug/kg dry	3610	100	64-131	10	15	
Dibenzo(a,h)anthracene	ND	3600	180	2.1	ug/kg dry	3800	105	54-148	10	15	
Dibenzofuran	ND	3600	180	1.9	ug/kg dry	3280	91	56-120	15	15	
Diethyl phthalate	ND	3600	180	5.5	ug/kg dry	3560	99	66-126	14	15	
Dimethyl phthalate	ND	3600	180	4.8	ug/kg dry	3380	94	65-124	14	15	
Di-n-butyl phthalate	ND	3600	180	63	ug/kg dry	3520	98	58-130	14	15	
Di-n-octyl phthalate	ND	3600	180	4.3	ug/kg dry	3810	106	62-133	10	16	
Fluoranthene	42.7	3600	180	2.6	ug/kg dry	3490	96	62-131	15	15	
Fluorene	ND	3600	180	4.2	ug/kg dry	3450	96	63-126	14	15	
Hexachlorobenzene	ND	3600	180	9.1	ug/kg dry	3420	95	60-132	12	15	
Hexachlorobutadiene	ND	3600	180	9.3	ug/kg dry	2780	77	45-120	11	44	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E1965-MSD1, Batch: 10E1965)											
QC Source Sample: RTE1215-04											
Hexachlorocyclopentadiene	ND	3600	180	55	ug/kg dry	2550	71	31-120	19	49	
Hexachloroethane	ND	3600	180	14	ug/kg dry	2630	73	41-120	10	46	
Indeno(1,2,3-cd)pyrene	17.5	3600	180	5.0	ug/kg dry	3860	107	56-149	10	15	
Isophorone	ND	3600	180	9.1	ug/kg dry	2870	80	56-120	13	17	
Naphthalene	ND	3600	180	3.0	ug/kg dry	2920	81	46-120	12	29	
Nitrobenzene	ND	3600	180	8.1	ug/kg dry	2800	78	49-120	12	24	
N-Nitrosodi-n-propylamine	ND	3600	180	14	ug/kg dry	2780	77	46-120	11	31	
N-Nitrosodiphenylamine	ND	3600	180	10	ug/kg dry	4350	121	20-119	12	15	M11
Pentachlorophenol	ND	3600	360	63	ug/kg dry	3870	107	33-136	12	35	
Phenanthrene	19.3	3600	180	3.8	ug/kg dry	3510	97	60-130	13	15	
Phenol	ND	3600	180	19	ug/kg dry	2840	79	36-120	12	35	
Pyrene	36.5	3600	180	1.2	ug/kg dry	3560	98	51-133	10	35	

Surrogate:					ug/kg dry	100	39-146				
2,4,6-Tribromophenol											
Surrogate:					ug/kg dry	84	37-120				
2-Fluorobiphenyl											
Surrogate:					ug/kg dry	66	18-120				
2-Fluorophenol											
Surrogate:					ug/kg dry	71	34-132				
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/kg dry	74	11-120				
Surrogate:					ug/kg dry	84	58-147				
p-Terphenyl-d14											

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/26/10 (Lab Number:10E1969-BLK1, Batch: 10E1969)

2,4,5-Trichlorophenol	5.0	0.48	ug/L	ND
2,4,6-Trichlorophenol	5.0	0.61	ug/L	ND
2,4-Dichlorophenol	5.0	0.51	ug/L	ND
2,4-Dimethylphenol	5.0	0.50	ug/L	ND
2,4-Dinitrophenol	10	2.2	ug/L	ND
2,4-Dinitrotoluene	5.0	0.45	ug/L	ND
2,6-Dinitrotoluene	5.0	0.40	ug/L	ND
2-Chloronaphthalene	5.0	0.46	ug/L	ND
2-Chlorophenol	5.0	0.53	ug/L	ND
2-Methylnaphthalene	5.0	0.60	ug/L	ND
2-Methylphenol	5.0	0.40	ug/L	ND
2-Nitroaniline	10	0.42	ug/L	ND

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 05/26/10 (Lab Number:10E1969-BLK1, Batch: 10E1969)											
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					
Bis(2-chloroethoxy)methane			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl)phthalate			5.0	1.8	ug/L	ND					
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					

MACTEC Engineering & Consultants - Alpharetta, GA 3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

SDG Number: RTE1214

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

Blank Analyzed: 05/26/10 (Lab Number:10E1969-BLK1, Batch: 10E1969)

Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	0.47					J
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					
Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadiene			5.0	0.59	ug/L	ND					
Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					

Surrogate:					ug/L		93	52-132			
2,4,6-Tribromophenol					ug/L		72	48-120			
Surrogate:					ug/L		38	20-120			
2-Fluorobiphenyl					ug/L		65	46-120			
Surrogate:					ug/L		28	16-120			
2-Fluorophenol					ug/L		81	24-136			
Surrogate:					ug/L						
Nitrobenzene-d5					ug/L						
Surrogate: Phenol-d5					ug/L						
Surrogate:					ug/L						
p-Terphenyl-d14					ug/L						

LCS Analyzed: 05/26/10 (Lab Number:10E1969-BS1, Batch: 10E1969)

2,4,5-Trichlorophenol	100	5.0	0.48	ug/L	101	101	65-126				
2,4,6-Trichlorophenol	100	5.0	0.61	ug/L	103	103	64-120				
2,4-Dichlorophenol	100	5.0	0.51	ug/L	89.6	90	64-120				
2,4-Dimethylphenol	100	5.0	0.50	ug/L	83.7	84	57-120				
2,4-Dinitrophenol	100	10	2.2	ug/L	94.9	95	42-153				
2,4-Dinitrotoluene	100	5.0	0.45	ug/L	114	114	59-125				
2,6-Dinitrotoluene	100	5.0	0.40	ug/L	112	112	74-134				

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Analyzed: 05/26/10 (Lab Number:10E1969-BS1, Batch: 10E1969)											
2-Chloronaphthalene		100	5.0	0.46	ug/L	88.6	89	52-120			
2-Chlorophenol		100	5.0	0.53	ug/L	76.0	76	48-120			
2-Methylnaphthalene		100	5.0	0.60	ug/L	84.4	84	48-120			
2-Methylphenol		100	5.0	0.40	ug/L	70.8	71	39-120			
2-Nitroaniline		100	10	0.42	ug/L	112	112	67-136			
2-Nitrophenol		100	5.0	0.48	ug/L	92.3	92	59-120			
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	152	152	33-140			L1
3-Nitroaniline		100	10	0.48	ug/L	109	109	69-129			
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	115	115	64-159			
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	105	105	71-126			
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	96.8	97	64-120			
4-Chloroaniline		100	5.0	0.59	ug/L	94.2	94	60-124			
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	96.8	97	71-122			
4-Methylphenol		100	10	0.36	ug/L	70.6	71	36-120			
4-Nitroaniline		100	10	0.25	ug/L	110	110	64-135			
4-Nitrophenol		100	10	1.5	ug/L	49.0	49	16-120			
Acenaphthene		100	5.0	0.41	ug/L	97.5	98	60-120			
Acenaphthylene		100	5.0	0.38	ug/L	98.6	99	63-120			
Acetophenone		100	5.0	0.54	ug/L	95.2	95	45-120			
Aniline		100	10	0.61	ug/L	77.6	78	37-120			
Anthracene		100	5.0	0.28	ug/L	105	105	69-131			
Atrazine		100	5.0	0.46	ug/L	111	111	70-129			
Benzaldehyde		100	5.0	0.27	ug/L	95.7	96	30-140			
Benzo(a)anthracene		100	5.0	0.36	ug/L	105	105	73-138			
Benzo(a)pyrene		100	5.0	0.47	ug/L	120	120	74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	104	104	75-133			
Benzo(ghi)perylene		100	5.0	0.35	ug/L	102	102	66-152			
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	103	103	75-133			
Biphenyl		100	5.0	0.65	ug/L	86.6	87	30-140			
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	82.5	82	62-120			
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	79.8	80	51-120			
2,2'-Oxybis(1-Chloropropene)		100	5.0	0.52	ug/L	78.4	78	47-120			
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	105	105	69-136			
Butyl benzyl phthalate		100	5.0	0.42	ug/L	112	112	62-149			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 05/26/10 (Lab Number:10E1969-BS1, Batch: 10E1969)											
Caprolactam		100	5.0	2.2	ug/L	35.2	35	30-140			
Carbazole		100	5.0	0.30	ug/L	109	109	68-133			
Chrysene		100	5.0	0.33	ug/L	108	108	69-140			
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	103	103	67-144			
Dibenzofuran		100	10	0.51	ug/L	96.3	96	66-120			
Diethyl phthalate		100	5.0	0.22	ug/L	110	110	78-128			
Dimethyl phthalate		100	5.0	0.36	ug/L	104	104	73-127			
Di-n-butyl phthalate		100	5.0	0.31	ug/L	109	109	67-132			B
Di-n-octyl phthalate		100	5.0	0.47	ug/L	111	111	72-145			
Fluoranthene		100	5.0	0.40	ug/L	106	106	67-133			
Fluorene		100	5.0	0.36	ug/L	103	103	66-129			
Hexachlorobenzene		100	5.0	0.51	ug/L	103	103	38-131			
Hexachlorobutadiene		100	5.0	0.68	ug/L	64.5	64	30-120			
Hexachlorocyclopentadiene		100	5.0	0.59	ug/L	64.6	65	23-120			
Hexachloroethane		100	5.0	0.59	ug/L	63.4	63	25-120			
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	101	101	69-146			
Isophorone		100	5.0	0.43	ug/L	89.1	89	64-120			
Naphthalene		100	5.0	0.76	ug/L	78.9	79	48-120			
Nitrobenzene		100	5.0	0.29	ug/L	87.9	88	52-120			
N-Nitrosodi-n-propylamine		100	5.0	0.54	ug/L	90.2	90	56-120			
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	133	133	25-125			L1
Pentachlorophenol		100	10	2.2	ug/L	116	116	39-136			
Phenanthrene		100	5.0	0.44	ug/L	106	106	67-130			
Phenol		100	5.0	0.39	ug/L	36.5	36	17-120			
Pyrene		100	5.0	0.34	ug/L	107	107	58-136			

Surrogate:					ug/L	104	52-132				
2,4,6-Tribromophenol					ug/L	88	48-120				
Surrogate:					ug/L	44	20-120				
2-Fluorobiphenyl					ug/L	80	46-120				
Surrogate:					ug/L	33	16-120				
2-Fluorophenol					ug/L	80	24-136				
Surrogate:											
Nitrobenzene-d5											
Surrogate: Phenol-d5											
Surrogate:											
p-Terphenyl-d14											

LCS Dup Analyzed: 05/26/10 (Lab Number:10E1969-BSD1, Batch: 10E1969)

2,4,5-Trichlorophenol	100	5.0	0.48	ug/L	108	108	65-126	6	18		
2,4,6-Trichlorophenol	100	5.0	0.61	ug/L	106	106	64-120	3	19		

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Dup Analyzed: 05/26/10 (Lab Number:10E1969-BSD1, Batch: 10E1969)											
2,4-Dichlorophenol		100	5.0	0.51	ug/L	92.0	92	64-120	3	19	
2,4-Dimethylphenol		100	5.0	0.50	ug/L	84.6	85	57-120	1	42	
2,4-Dinitrophenol		100	10	2.2	ug/L	103	103	42-153	8	22	
2,4-Dinitrotoluene		100	5.0	0.45	ug/L	121	121	59-125	5	20	
2,6-Dinitrotoluene		100	5.0	0.40	ug/L	119	119	74-134	6	15	
2-Chloronaphthalene		100	5.0	0.46	ug/L	95.1	95	52-120	7	21	
2-Chlorophenol		100	5.0	0.53	ug/L	76.6	77	48-120	0.8	25	
2-Methylnaphthalene		100	5.0	0.60	ug/L	93.2	93	48-120	10	21	
2-Methylphenol		100	5.0	0.40	ug/L	73.6	74	39-120	4	27	
2-Nitroaniline		100	10	0.42	ug/L	117	117	67-136	4	15	
2-Nitrophenol		100	5.0	0.48	ug/L	93.3	93	59-120	1	18	
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	151	151	33-140	0.9	25	L1
3-Nitroaniline		100	10	0.48	ug/L	113	113	69-129	4	19	
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	121	121	64-159	5	15	
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	109	109	71-126	4	15	
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	102	102	64-120	5	27	
4-Chloroaniline		100	5.0	0.59	ug/L	97.5	98	60-124	3	22	
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	101	101	71-122	4	16	
4-Methylphenol		100	10	0.36	ug/L	73.8	74	36-120	4	24	
4-Nitroaniline		100	10	0.25	ug/L	115	115	64-135	5	24	
4-Nitrophenol		100	10	1.5	ug/L	50.8	51	16-120	4	48	
Acenaphthene		100	5.0	0.41	ug/L	104	104	60-120	6	24	
Acenaphthylene		100	5.0	0.38	ug/L	103	103	63-120	5	18	
Acetophenone		100	5.0	0.54	ug/L	95.8	96	45-120	0.6	20	
Aniline		100	10	0.61	ug/L	78.7	79	37-120	1	30	
Anthracene		100	5.0	0.28	ug/L	107	107	69-131	1	15	
Atrazine		100	5.0	0.46	ug/L	118	118	70-129	6	20	
Benzaldehyde		100	5.0	0.27	ug/L	92.3	92	30-140	4	20	
Benzo(a)anthracene		100	5.0	0.36	ug/L	107	107	73-138	2	15	
Benzo(a)pyrene		100	5.0	0.47	ug/L	126	126	74-126	5	15	
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	110	110	75-133	6	15	
Benzo(ghi)perylene		100	5.0	0.35	ug/L	107	107	66-152	5	15	
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	108	108	75-133	4	22	
Biphenyl		100	5.0	0.65	ug/L	92.9	93	30-140	7	20	
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	84.0	84	62-120	2	17	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Dup Analyzed: 05/26/10 (Lab Number:10E1969-BSD1, Batch: 10E1969)											
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	78.4	78	51-120	2	21	
2,2'-Oxybis(1-Chloroprop ane)		100	5.0	0.52	ug/L	78.7	79	47-120	0.4	24	
Bis(2-ethylhexyl) phthalate		100	5.0	1.8	ug/L	112	112	69-136	6	15	
Butyl benzyl phthalate		100	5.0	0.42	ug/L	117	117	62-149	4	16	
Caprolactam		100	5.0	2.2	ug/L	38.1	38	30-140	8	20	
Carbazole		100	5.0	0.30	ug/L	110	110	68-133	1	20	
Chrysene		100	5.0	0.33	ug/L	110	110	69-140	2	15	
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	109	109	67-144	5	15	
Dibenzofuran		100	10	0.51	ug/L	101	101	66-120	5	15	
Diethyl phthalate		100	5.0	0.22	ug/L	113	113	78-128	3	15	
Dimethyl phthalate		100	5.0	0.36	ug/L	109	109	73-127	5	15	
Di-n-butyl phthalate		100	5.0	0.31	ug/L	111	111	67-132	2	15	B
Di-n-octyl phthalate		100	5.0	0.47	ug/L	115	115	72-145	3	16	
Fluoranthene		100	5.0	0.40	ug/L	108	108	67-133	2	15	
Fluorene		100	5.0	0.36	ug/L	106	106	66-129	3	15	
Hexachlorobenzene		100	5.0	0.51	ug/L	104	104	38-131	1	15	
Hexachlorobutadiene		100	5.0	0.68	ug/L	73.5	74	30-120	13	44	
Hexachlorocyclopentadie ne		100	5.0	0.59	ug/L	74.4	74	23-120	14	49	
Hexachloroethane		100	5.0	0.59	ug/L	68.9	69	25-120	8	46	
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	107	107	69-146	6	15	
Isophorone		100	5.0	0.43	ug/L	93.3	93	64-120	5	17	
Naphthalene		100	5.0	0.76	ug/L	85.2	85	48-120	8	29	
Nitrobenzene		100	5.0	0.29	ug/L	88.4	88	52-120	0.6	24	
N-Nitrosodi-n-propylamin e		100	5.0	0.54	ug/L	92.5	93	56-120	3	31	
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	136	136	25-125	2	15	L1
Pentachlorophenol		100	10	2.2	ug/L	117	117	39-136	2	37	
Phenanthrene		100	5.0	0.44	ug/L	107	107	67-130	1	15	
Phenol		100	5.0	0.39	ug/L	37.0	37	17-120	1	34	
Pyrene		100	5.0	0.34	ug/L	112	112	58-136	5	19	
Surrogate: 2,4,6-Tribromophenol					ug/L		109	52-132			
Surrogate: 2-Fluorobiphenyl					ug/L		92	48-120			
Surrogate: 2-Fluorophenol					ug/L		43	20-120			
Surrogate: Nitrobenzene-d5					ug/L		79	46-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatile Organics by GC/MS

LCS Dup Analyzed: 05/26/10 (Lab Number:10E1969-BSD1, Batch: 10E1969)

Surrogate: Phenol-d5					ug/L	34		16-120			
Surrogate: p-Terphenyl-d14					ug/L	84		24-136			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/26/10 (Lab Number:10E1985-BLK1, Batch: 10E1985)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/26/10 (Lab Number:10E1985-BS1, Batch: 10E1985)

Antimony	0.200	0.0200	NR	mg/L	0.212	106	80-120
Arsenic	0.200	0.0100	NR	mg/L	0.210	105	80-120
Barium	0.200	0.0020	NR	mg/L	0.200	100	80-120
Cadmium	0.200	0.0010	NR	mg/L	0.194	97	80-120
Chromium	0.200	0.0040	NR	mg/L	0.202	101	80-120
Copper	0.200	0.0100	NR	mg/L	0.196	98	80-120
Lead	0.200	0.0050	NR	mg/L	0.204	102	80-120
Nickel	0.200	0.0100	NR	mg/L	0.199	99	80-120
Selenium	0.200	0.0150	NR	mg/L	0.205	102	80-120
Silver	0.0500	0.0030	NR	mg/L	0.0505	101	80-120
Tin	0.200	0.0100	NR	mg/L	0.200	100	80-120
Zinc	0.200	0.0500	NR	mg/L	0.201	101	80-120

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/26/10 (Lab Number:10E2007-BLK1, Batch: 10E2007)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/26/10 (Lab Number:10E2007-BS1, Batch: 10E2007)

Mercury	0.00667	0.0002	NR	mg/L	0.00635	95	80-120

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/26/10 (Lab Number:10E2035-BLK1, Batch: 10E2035)

Mercury			0.0200	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/26/10 (Lab Number:10E2035-MS1, Batch: 10E2035)

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991
www.testamericainc.com

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/26/10 (Lab Number:10E2035-MS1, Batch: 10E2035)

QC Source Sample: RTE1215-04

Mercury	0.00905	0.367	0.0220	NR	mg/kg dry	0.385	102	75-125			

Matrix Spike Dup Analyzed: 05/26/10 (Lab Number:10E2035-MSD1, Batch: 10E2035)

QC Source Sample: RTE1215-04

Mercury	0.00905	0.372	0.0223	NR	mg/kg dry	0.398	105	75-125	3	20	

Reference Analyzed: 05/26/10 (Lab Number:10E2035-SRM1, Batch: 10E2035)

Mercury		2.97	0.180	NR	mg/kg wet	2.81	95	67.6-132.8			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/27/10 (Lab Number:10E2078-BLK1, Batch: 10E2078)

Antimony			15.4	0.6	mg/kg wet	ND					
Arsenic			2.0	NR	mg/kg wet	ND					
Barium			0.512	NR	mg/kg wet	ND					
Cadmium			0.205	NR	mg/kg wet	ND					
Chromium			0.512	NR	mg/kg wet	ND					
Copper			1.0	NR	mg/kg wet	ND					
Lead			1.0	NR	mg/kg wet	ND					
Nickel			5.12	NR	mg/kg wet	ND					
Selenium			4.1	NR	mg/kg wet	ND					
Silver			0.512	NR	mg/kg wet	ND					
Tin			2.0	NR	mg/kg wet	ND					
Zinc			2.0	NR	mg/kg wet	ND					

Matrix Spike Analyzed: 05/27/10 (Lab Number:10E2078-MS1, Batch: 10E2078)

QC Source Sample: RTE1215-04

Antimony	ND	47.8	17.9	0.6	mg/kg dry	24.2	51	75-125			M1
Arsenic	1.75	47.8	2.4	NR	mg/kg dry	45.3	91	75-125			
Barium	52.7	47.8	0.597	NR	mg/kg dry	91.8	82	75-125			
Cadmium	0.0790	47.8	0.239	NR	mg/kg dry	41.4	87	75-125			
Chromium	6.13	47.8	0.597	NR	mg/kg dry	49.4	91	75-125			
Copper	119	47.8	1.2	NR	mg/kg dry	137	38	75-125			M1
Lead	6.07	47.8	1.2	NR	mg/kg dry	47.8	87	75-125			
Nickel	11.9	47.8	5.97	NR	mg/kg dry	53.2	86	75-125			
Selenium	ND	47.8	4.8	NR	mg/kg dry	41.7	87	75-125			
Silver	0.125	11.9	0.597	NR	mg/kg dry	11.1	92	75-125			
Tin	ND	47.8	11.9	NR	mg/kg dry	45.7	96	75-125			D02
Zinc	41.0	47.8	2.4	NR	mg/kg dry	83.9	90	75-125			

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E2078-MSD1, Batch: 10E2078)

QC Source Sample: RTE1215-04

Antimony	ND	48.0	18.0	0.6	mg/kg dry	25.7	54	75-125	6	20	M1
Arsenic	1.75	48.0	2.4	NR	mg/kg dry	46.1	93	75-125	2	20	
Barium	52.7	48.0	0.599	NR	mg/kg dry	85.0	67	75-125	8	20	M1
Cadmium	0.0790	48.0	0.240	NR	mg/kg dry	42.1	88	75-125	2	20	
Chromium	6.13	48.0	0.599	NR	mg/kg dry	49.2	90	75-125	0.5	20	
Copper	119	48.0	1.2	NR	mg/kg dry	141	45	75-125	2	20	M1
Lead	6.07	48.0	1.2	NR	mg/kg dry	48.6	89	75-125	2	20	
Nickel	11.9	48.0	5.99	NR	mg/kg dry	52.7	85	75-125	0.8	20	
Selenium	ND	48.0	4.8	NR	mg/kg dry	41.9	87	75-125	0.5	20	
Silver	0.125	12.0	0.599	NR	mg/kg dry	11.9	98	75-125	7	20	
Tin	ND	48.0	12.0	NR	mg/kg dry	46.0	96	75-125	0.7	20	D02
Zinc	41.0	48.0	2.4	NR	mg/kg dry	81.9	85	75-125	2	20	

Reference Analyzed: 05/27/10 (Lab Number:10E2078-SRM1, Batch: 10E2078)

Antimony	103	15.0	0.5	mg/kg wet	39.6	38	25.4-279.6
Arsenic	107	2.0	NR	mg/kg wet	98.6	92	69.3-129.9
Barium	331	0.500	NR	mg/kg wet	306	92	74-126
Cadmium	244	0.200	NR	mg/kg wet	225	92	73.4-126.2
Chromium	81.0	0.500	NR	mg/kg wet	75.0	93	68.9-131.5
Copper	65.0	1.0	NR	mg/kg wet	63.6	98	73-127
Lead	107	1.0	NR	mg/kg wet	96.5	90	71.4-129
Nickel	97.0	5.00	NR	mg/kg wet	95.8	99	72.2-128.1
Selenium	177	4.0	NR	mg/kg wet	170	96	68.4-132.2
Silver	46.2	0.500	NR	mg/kg wet	44.2	96	66.2-133.5
Tin	183	2.0	NR	mg/kg wet	144	79	60.7-138.8
Zinc	378	2.0	NR	mg/kg wet	357	95	72.5-127.8

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/28/10 (Lab Number:10E2121-BLK1, Batch: 10E2121)

Antimony			0.0200	NR	mg/L	ND					P7
Arsenic			0.0100	NR	mg/L	ND					P7
Barium			0.0020	NR	mg/L	ND					P7
Cadmium			0.0010	NR	mg/L	ND					P7
Chromium			0.0040	NR	mg/L	ND					P7
Copper			0.0100	NR	mg/L	ND					P7
Lead			0.0050	NR	mg/L	ND					P7
Nickel			0.0100	NR	mg/L	ND					P7
Selenium			0.0150	NR	mg/L	ND					P7
Silver			0.0030	NR	mg/L	ND					P7
Tin			0.0100	NR	mg/L	ND					P7
Zinc			0.0100	NR	mg/L	ND					P7

LCS Analyzed: 05/28/10 (Lab Number:10E2121-BS1, Batch: 10E2121)

Antimony		0.200	0.0200	NR	mg/L	0.210	105	80-120			P7
Arsenic		0.200	0.0100	NR	mg/L	0.212	106	80-120			P7
Barium		0.200	0.0020	NR	mg/L	0.198	99	80-120			P7
Cadmium		0.200	0.0010	NR	mg/L	0.197	99	80-120			P7
Chromium		0.200	0.0040	NR	mg/L	0.205	103	80-120			P7
Copper		0.200	0.0100	NR	mg/L	0.200	100	80-120			P7
Lead		0.200	0.0050	NR	mg/L	0.204	102	80-120			P7
Nickel		0.200	0.0100	NR	mg/L	0.202	101	80-120			P7
Selenium		0.200	0.0150	NR	mg/L	0.205	102	80-120			P7
Silver		0.0500	0.0030	NR	mg/L	0.0502	100	80-120			P7
Tin		0.200	0.0100	NR	mg/L	0.204	102	80-120			P7
Zinc		0.200	0.0100	NR	mg/L	0.205	103	80-120			P7

Matrix Spike Analyzed: 05/28/10 (Lab Number:10E2121-MS1, Batch: 10E2121)

QC Source Sample: RTE1214-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.160	80	75-125			P7
Arsenic	ND	0.200	0.0100	NR	mg/L	0.160	80	75-125			P7
Barium	0.509	0.200	0.0020	NR	mg/L	0.694	93	75-125			P7
Cadmium	ND	0.200	0.0010	NR	mg/L	0.146	73	75-125			M1,P7
Chromium	ND	0.200	0.0040	NR	mg/L	0.153	76	75-125			P7
Copper	0.00184	0.200	0.0100	NR	mg/L	0.151	74	75-125			M1,P7
Lead	ND	0.200	0.0050	NR	mg/L	0.149	75	75-125			P7
Nickel	0.0136	0.200	0.0100	NR	mg/L	0.163	75	75-125			P7
Selenium	ND	0.200	0.0150	NR	mg/L	0.154	77	75-125			P7
Silver	ND	0.0500	0.0030	NR	mg/L	0.0512	102	75-125			P7

MACTEC Engineering & Consultants - Alpharetta, GA SDG Number: RTE1214
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/25/10
Reported: 05/28/10 14:49

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Matrix Spike Analyzed: 05/28/10 (Lab Number:10E2121-MS1, Batch: 10E2121)

QC Source Sample: RTE1214-01

Tin	ND	0.200	0.0100	NR	mg/L	0.202	101	75-125			P7
Zinc	0.00220	0.200	0.0100	NR	mg/L	0.153	76	75-125			P7

Matrix Spike Dup Analyzed: 05/28/10 (Lab Number:10E2121-MSD1, Batch: 10E2121)

QC Source Sample: RTE1214-01

Antimony	ND	0.200	0.0200	NR	mg/L	0.212	106	75-125	28	20	R3,P7
Arsenic	ND	0.200	0.0100	NR	mg/L	0.214	107	75-125	29	20	R3,P7
Barium	0.509	0.200	0.0020	NR	mg/L	0.707	99	75-125	2	20	P7
Cadmium	ND	0.200	0.0010	NR	mg/L	0.195	98	75-125	29	20	R3,P7
Chromium	ND	0.200	0.0040	NR	mg/L	0.205	102	75-125	29	20	R3,P7
Copper	0.00184	0.200	0.0100	NR	mg/L	0.201	99	75-125	29	20	R3,P7
Lead	ND	0.200	0.0050	NR	mg/L	0.199	100	75-125	29	20	R3,P7
Nickel	0.0136	0.200	0.0100	NR	mg/L	0.213	100	75-125	26	20	R3,P7
Selenium	ND	0.200	0.0150	NR	mg/L	0.200	100	75-125	26	20	R3,P7
Silver	ND	0.0500	0.0030	NR	mg/L	0.0513	103	75-125	0.2	20	P7
Tin	ND	0.200	0.0100	NR	mg/L	0.205	102	75-125	1	20	P7
Zinc	0.00220	0.200	0.0100	NR	mg/L	0.201	100	75-125	27	20	R3,P7

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/27/10 (Lab Number:10E2223-BLK1, Batch: 10E2223)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/27/10 (Lab Number:10E2223-BS1, Batch: 10E2223)

Mercury		0.00667	0.0002	NR	mg/L	0.00692	104	80-120			

Matrix Spike Analyzed: 05/27/10 (Lab Number:10E2223-MS1, Batch: 10E2223)

QC Source Sample: RTE1214-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00697	104	75-125			

Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E2223-MSD1, Batch: 10E2223)

QC Source Sample: RTE1214-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00695	104	75-125	0.2	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt

Chain of Custody Record

Enclose

TAL-4124 (1/00)

Client: **MACTEC ENKA + CONS** Project Manager: **SCOTT KEESLING** Date: **5/24/10** Chain of Custody Number: **139922**

Address: **3400 TOWN POINT DR. NW SUITE 100** Telephone Number (Area Code) Fax Number: **(770) 421-3441** Lab Number: **1** of **1**

City: **KENNESAW** State: **GA** Zip Code: **30144** Site Contact: **BRICK WALZAK** Lab Contact: **BRIAN FISCHER**

Project Name and Location (State): **PROJECT YANKEE - (CONFIDENTIAL NY STATE PROJECT)** Carrier/Vendor Number: **201008714**

Contract/Purchase Order/Quote No: **QUOTE # 478002071-2** Matrix: **NEED LAB FILTER**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers	Preservatives	Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt
B-4	5/24/10	1610	X	1	1	X	NEED LAB FILTER
B-5	5/24/10	1215	X	1	1	X	NEED LAB FILTER
B-40001	5/24/10	1120	X	1	1	X	
B-41112	5/24/10	1245	X	1	1	X	
B-52526	5/24/10	1020	X	1	1	X	
B-50005	5/24/10	0850	X	1	1	X	
B-50005 DUP	5/24/10	0850	X	1	1	X	
B-50005 MS	5/24/10	0850	X	1	1	X	
B-50005 MSD	5/24/10	0850	X	1	1	X	
B-30001	5/24/10	1535	X	1	1	X	
B-50001 RPA 5/24/10	5/24/10	0850	X	1	1	X	
B-32122	5/24/10	1900	X	1	1	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return to Client

Sample Disposal: ☒ Disposed By Lab ☐ Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

Per Quote: **20%**

Relinquished By: **Brick Walzak** Date: **5/24/10** Time: **19:30**

Relinquished By: **Brick Walzak** Date: **5/25/10** Time: **0930**

Relinquished By: _____ Date: _____ Time: _____

Comments: **METALS (Ag, As, Ba, Cd, Cr, Hg, Pb, Se, Cu, Ni, Sb, Zn, Sn)** * **Aqueous Dissolved Metals lab filter and preserve**

DISTRIBUTION: **WHITE - Returned to Client with Report CANADIAN - Stays with the Samples WHITE - Field Copy**

CUSTODY SEALS **617700**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Chain of Custody
Custody Record

TAL-4124 (1/00/97)

Client: **MACTEC ENG'G & CONS** Project Manager: **SCOTT KEESLING** Date: **5/24/10** Chain of Custody Number: **139922**

Address: **7200 TOWN POINT DR. NW SUITE 100** Telephone Number (Area Code/Fax Number): **(770) 421-3441** Lab Number: _____

City: **KENNESAW** State: **GA** Zip Code: **30144** Site Contact: **RICK WALZAK** Lab Contact: **BRIAN FISCHER** Page: **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers				Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt
			Air	Soil	Soil	Water	Unknown	MD	HC	Other	SVOC	PCB	PAH	Other	
B-4	5/24/10	1610							1	3	X	X	X	X	NEED LAB FILTER
B-5	5/24/10	1215							1	3	X	X	X	X	NEED LAB FILTER
B-40001	5/24/10	1120		X							X	X	X	X	
B-41112	5/24/10	1245		X							X	X	X	X	
B-52526	5/24/10	1020		X							X	X	X	X	
B-50005	5/24/10	0850		X							X	X	X	X	
B-50005 DUP	5/24/10	0850		X							X	X	X	X	
B-50005 MS	5/24/10	0850		X							X	X	X	X	
B-50005 MSD	5/24/10	0850		X							X	X	X	X	
B-30001	5/24/10	1535		X							X	X	X	X	
B-50001 - RPA 5/24/10	5/24/10	0850									X	X	X	X	
B-32122	5/24/10	1700		X							X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return to Client ☐ Sample Disposal

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other: **3 DAY**

1. Relinquished By: **Rick Walzak to FedEx** Date: **5/24/10** Time: **19:30** OC Requirements (Specify): **PER QUOTE**

2. Relinquished By: _____ Date: _____ Time: _____ 1. Received By: **Rick Walzak** Date: **5-25-10** Time: **09:30**

3. Relinquished By: _____ Date: _____ Time: _____ 2. Received By: _____ Date: _____ Time: _____ 3. Received By: _____ Date: _____ Time: _____

Comments: *** Aqueous Dissolved Metals lab filter and preserve**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CUSTODY SEALS **617700**

Analytical Report

Work Order: RTE1260

Project Description
New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, June 2, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
P18	Lab to filter and preserve volumes.
P7	Sample filtered in lab.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1260-01 (B-3 - Water)						Sampled: 05/25/10 09:15		Recvd: 05/26/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Chloroform	0.74	J	1.0	0.34	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.476		0.0020	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Chromium	0.0043		0.0040	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Copper	0.0220		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Zinc	0.0226		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
<u>Dissolved Metals by SW 846 Series Methods</u>										
Barium	0.450	P7	0.0020	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Zinc	0.0101	P7	0.0100	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
B-3	RTE1260-01	Water	05/25/10 09:15	05/26/10 09:00	P18

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1260-01 (B-3 - Water)						Sampled: 05/25/10 09:15		Recvd: 05/26/10 09:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,2-Dichloropropane	ND		1.0	0.72	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
2-Butanone (MEK)	ND		5.0	1.3	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Acetone	ND		5.0	3.0	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Bromomethane	ND		1.0	0.69	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Chlorodibromomethane	ND		1.0	0.32	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Chloroform	0.74	J	1.0	0.34	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Cyclohexane	ND		1.0	0.18	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Methyl tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Methylcyclohexane	ND		1.0	0.16	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Styrene	ND		1.0	0.73	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Trichlorofluoromethane	ND		1.0	0.88	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTE1260-01 (B-3 - Water) - cont.

Sampled: 05/25/10 09:15

Recvd: 05/26/10 09:00

Volatile Organic Compounds by EPA 8260B - cont.

Vinyl chloride	ND		1.0	0.90	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	05/27/10 16:18	DHC	10E2195	8260B

1,2-Dichloroethane-d4	103 %		Surr Limits: (66-137%)				05/27/10 16:18	DHC	10E2195	8260B
4-Bromofluorobenzene	94 %		Surr Limits: (73-120%)				05/27/10 16:18	DHC	10E2195	8260B
Toluene-d8	99 %		Surr Limits: (71-126%)				05/27/10 16:18	DHC	10E2195	8260B

Total Metals by SW 846 Series Methods

Antimony	ND		0.0200	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Barium	0.476		0.0020	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Chromium	0.0043		0.0040	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Copper	0.0220		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Lead	ND		0.0050	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Silver	ND		0.0030	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Tin	ND		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Zinc	0.0226		0.0100	NR	mg/L	1.00	05/28/10 14:48	DAN	10E2095	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/27/10 19:41	MXM	10E2071	7470A

Dissolved Metals by SW 846 Series Methods

Antimony	ND	P7	0.0200	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Arsenic	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Barium	0.450	P7	0.0020	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Cadmium	ND	P7	0.0010	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Chromium	ND	P7	0.0040	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Copper	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Lead	ND	P7	0.0050	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Nickel	ND	P7	0.0100	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Selenium	ND	P7	0.0150	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Silver	ND	P7	0.0030	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Tin	ND	P7	0.0100	NR	mg/L	1.00	06/01/10 11:44	DAN	10E2233	6010B
Zinc	0.0101	P7	0.0100	NR	mg/L	1.00	05/28/10 19:47	DAN	10E2233	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	05/27/10 18:41	MXM	10E2224	7470A

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1260-01RE1 (B-3 - Water)						Sampled: 05/25/10 09:15		Recvd: 05/26/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4-Dichlorophenol	ND		4.8	0.49	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4-Dimethylphenol	ND		4.8	0.48	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Chloronaphthalene	ND		4.8	0.44	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Chlorophenol	ND		4.8	0.50	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Methylnaphthalene	ND		4.8	0.57	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Methylphenol	ND		4.8	0.38	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Nitroaniline	ND		9.5	0.40	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2-Nitrophenol	ND		4.8	0.46	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
3-Nitroaniline	ND		9.5	0.46	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Chloroaniline	ND		4.8	0.56	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Methylphenol	ND		9.5	0.34	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Nitroaniline	ND		9.5	0.24	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Acenaphthene	ND		4.8	0.39	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Acenaphthylene	ND		4.8	0.36	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Acetophenone	ND		4.8	0.51	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Aniline	ND		9.5	0.58	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Anthracene	ND		4.8	0.27	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Atrazine	ND		4.8	0.44	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzaldehyde	ND		4.8	0.25	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzo(a)anthracene	ND		4.8	0.34	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzo(a)pyrene	ND		4.8	0.45	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzo(ghi)perylene	ND		4.8	0.33	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Biphenyl	ND		4.8	0.62	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,2'-Oxybis(1-Chloropropene)	ND		4.8	0.50	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Bis(2-ethylhexyl)phthalate	ND		4.8	1.7	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Butyl benzyl phthalate	ND		4.8	0.40	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Caprolactam	ND		4.8	2.1	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Carbazole	ND		4.8	0.29	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Chrysene	ND		4.8	0.31	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Dibenzo(a,h)anthracene	ND		4.8	0.40	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1260-01RE1 (B-3 - Water) - cont.						Sampled: 05/25/10 09:15		Recvd: 05/26/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		9.5	0.49	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Diethyl phthalate	ND		4.8	0.21	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Dimethyl phthalate	ND		4.8	0.34	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Di-n-butyl phthalate	ND		4.8	0.30	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Di-n-octyl phthalate	ND		4.8	0.45	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Fluoranthene	ND		4.8	0.38	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Fluorene	ND		4.8	0.34	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Hexachlorobenzene	ND		4.8	0.49	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Hexachlorobutadiene	ND		4.8	0.65	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Hexachloroethane	ND		4.8	0.56	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Isophorone	ND		4.8	0.41	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Naphthalene	ND		4.8	0.72	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Nitrobenzene	ND		4.8	0.28	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Pentachlorophenol	ND		9.5	2.1	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Phenanthrene	ND		4.8	0.42	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Phenol	ND		4.8	0.37	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
Pyrene	ND		4.8	0.32	ug/L	1.00	06/02/10 14:50	JLG	10F0069	8270C
2,4,6-Tribromophenol	98 %		Surr Limits: (52-132%)				06/02/10 14:50	JLG	10F0069	8270C
2-Fluorobiphenyl	85 %		Surr Limits: (48-120%)				06/02/10 14:50	JLG	10F0069	8270C
2-Fluorophenol	34 %		Surr Limits: (20-120%)				06/02/10 14:50	JLG	10F0069	8270C
Nitrobenzene-d5	84 %		Surr Limits: (46-120%)				06/02/10 14:50	JLG	10F0069	8270C
Phenol-d5	28 %		Surr Limits: (16-120%)				06/02/10 14:50	JLG	10F0069	8270C
p-Terphenyl-d14	40 %		Surr Limits: (24-136%)				06/02/10 14:50	JLG	10F0069	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
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Reported: 06/02/10 17:28

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Dissolved Metals by SW 846 Series Methods									
6010B	10E2233	RTE1260-01	50.00	mL	50.00	mL	05/28/10 10:30	JRK	3005A
7470A	10E2224	RTE1260-01	30.00	mL	50.00	mL	05/27/10 15:30	MXM	7470A
Semivolatile Organics by GC/MS									
8270C	10F0069	RTE1260-01RE	1,050.00	mL	1.00	mL	06/01/10 18:00	LTT	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10E2095	RTE1260-01	50.00	mL	50.00	mL	05/27/10 09:15	JRK	3005A
7470A	10E2071	RTE1260-01	30.00	mL	50.00	mL	05/27/10 15:30	MXM	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10E2195	RTE1260-01	5.00	mL	5.00	mL	05/27/10 10:28	DHC	5030B MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/27/10 (Lab Number:10E2195-BLK1, Batch: 10E2195)											
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2-Trichlorotrifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,1-Dichloroethene			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,2-Dibromoethane (EDB)			1.0	0.73	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,2-Dichloroethane			1.0	0.21	ug/L	ND					
1,2-Dichloropropane			1.0	0.72	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
2-Butanone (MEK)			10	1.3	ug/L	ND					
2-Hexanone			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone (MIBK)			5.0	2.1	ug/L	ND					
Acetone			10	3.0	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Bromodichloromethane			1.0	0.39	ug/L	ND					
Bromoform			1.0	0.26	ug/L	ND					
Bromomethane			1.0	0.69	ug/L	ND					
Carbon disulfide			1.0	0.19	ug/L	ND					
Carbon Tetrachloride			1.0	0.27	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Chlorodibromomethane			1.0	0.32	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND					
Chloroform			1.0	0.34	ug/L	ND					
Chloromethane			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.81	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND					
Cyclohexane			1.0	0.18	ug/L	ND					
Dichlorodifluoromethane			1.0	0.68	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 05/27/10 (Lab Number:10E2195-BLK1, Batch: 10E2195)											
Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.16	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.73	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.90	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.88	ug/L	ND					
Vinyl chloride			1.0	0.90	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
<i>Surrogate:</i>						ug/L	103	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>						ug/L	94	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>						ug/L	100	71-126			
LCS Analyzed: 05/27/10 (Lab Number:10E2195-BS1, Batch: 10E2195)											
1,1,1-Trichloroethane		25.0	1.0	0.82	ug/L	24.6	99	73-126			
1,1,2,2-Tetrachloroethane		25.0	1.0	0.21	ug/L	25.4	102	70-126			
1,1,2-Trichloroethane		25.0	1.0	0.23	ug/L	24.3	97	76-122			
1,1,2-Trichlorotrifluoroethane		25.0	1.0	0.31	ug/L	22.3	89	60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	24.6	98	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	23.2	93	65-138			
1,2,4-Trichlorobenzene		25.0	1.0	0.41	ug/L	25.1	100	70-122			
1,2-Dibromo-3-chloropropane		25.0	1.0	0.39	ug/L	20.8	83	56-134			
1,2-Dibromoethane (EDB)		25.0	1.0	0.73	ug/L	24.6	98	77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	24.7	99	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	25.0	100	75-127			
1,2-Dichloropropane		25.0	1.0	0.72	ug/L	24.7	99	76-120			
1,3-Dichlorobenzene		25.0	1.0	0.78	ug/L	25.1	101	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	24.8	99	75-120			
2-Butanone (MEK)		125	10	1.3	ug/L	123	98	57-140			
2-Hexanone		125	5.0	1.2	ug/L	129	103	65-127			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 05/27/10 (Lab Number:10E2195-BS1, Batch: 10E2195)											
4-Methyl-2-pentanone (MIBK)		125	5.0	2.1	ug/L	126	101	71-125			
Acetone		125	10	3.0	ug/L	127	101	56-142			
Benzene		25.0	1.0	0.41	ug/L	24.0	96	71-124			
Bromodichloromethane		25.0	1.0	0.39	ug/L	25.8	103	80-122			
Bromoform		25.0	1.0	0.26	ug/L	18.8	75	66-128			
Bromomethane		25.0	1.0	0.69	ug/L	24.8	99	36-150			
Carbon disulfide		25.0	1.0	0.19	ug/L	23.9	96	59-134			
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	24.9	100	72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.3	97	72-120			
Chlorodibromomethane		25.0	1.0	0.32	ug/L	21.2	85	75-125			
Chloroethane		25.0	1.0	0.32	ug/L	23.6	94	69-136			
Chloroform		25.0	1.0	0.34	ug/L	24.6	98	73-127			
Chloromethane		25.0	1.0	0.35	ug/L	25.0	100	49-142			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	24.1	96	74-124			
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	25.2	101	74-124			
Cyclohexane		25.0	1.0	0.18	ug/L	22.3	89	70-130			
Dichlorodifluoromethane		25.0	1.0	0.68	ug/L	22.8	91	33-157			
Ethylbenzene		25.0	1.0	0.74	ug/L	24.8	99	77-123			
Isopropylbenzene		25.0	1.0	0.79	ug/L	24.9	100	77-122			
Methyl Acetate		25.0	1.0	0.50	ug/L	24.7	99	60-140			
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	24.2	97	64-127			
Methylcyclohexane		25.0	1.0	0.16	ug/L	21.9	88	60-140			
Methylene Chloride		25.0	1.0	0.44	ug/L	27.3	109	57-132			
Styrene		25.0	1.0	0.73	ug/L	25.1	101	70-130			
Tetrachloroethene		25.0	1.0	0.36	ug/L	23.5	94	74-122			
Toluene		25.0	1.0	0.51	ug/L	24.0	96	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	24.8	99	73-127			
trans-1,3-Dichloropropene		25.0	1.0	0.37	ug/L	25.2	101	72-123			
Trichloroethene		25.0	1.0	0.46	ug/L	24.4	97	74-123			
Trichlorofluoromethane		25.0	1.0	0.88	ug/L	23.9	96	62-152			
Vinyl chloride		25.0	1.0	0.90	ug/L	23.7	95	65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	73.1	98	76-122			
Surrogate:					ug/L		101	66-137			
1,2-Dichloroethane-d4											
Surrogate:					ug/L		98	73-120			
4-Bromofluorobenzene											
Surrogate: Toluene-d8					ug/L		101	71-126			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 06/02/10 (Lab Number:10F0069-BLK1, Batch: 10F0069)											
2,4,5-Trichlorophenol			5.0	0.48	ug/L	ND					
2,4,6-Trichlorophenol			5.0	0.61	ug/L	ND					
2,4-Dichlorophenol			5.0	0.51	ug/L	ND					
2,4-Dimethylphenol			5.0	0.50	ug/L	ND					
2,4-Dinitrophenol			10	2.2	ug/L	ND					
2,4-Dinitrotoluene			5.0	0.45	ug/L	ND					
2,6-Dinitrotoluene			5.0	0.40	ug/L	ND					
2-Chloronaphthalene			5.0	0.46	ug/L	ND					
2-Chlorophenol			5.0	0.53	ug/L	ND					
2-Methylnaphthalene			5.0	0.60	ug/L	ND					
2-Methylphenol			5.0	0.40	ug/L	ND					
2-Nitroaniline			10	0.42	ug/L	ND					
2-Nitrophenol			5.0	0.48	ug/L	ND					
3,3'-Dichlorobenzidine			5.0	0.40	ug/L	ND					
3-Nitroaniline			10	0.48	ug/L	ND					
4,6-Dinitro-2-methylphenol			10	2.2	ug/L	ND					
4-Bromophenyl phenyl ether			5.0	0.45	ug/L	ND					
4-Chloro-3-methylphenol			5.0	0.45	ug/L	ND					
4-Chloroaniline			5.0	0.59	ug/L	ND					
4-Chlorophenyl phenyl ether			5.0	0.35	ug/L	ND					
4-Methylphenol			10	0.36	ug/L	ND					
4-Nitroaniline			10	0.25	ug/L	ND					
4-Nitrophenol			10	1.5	ug/L	ND					
Acenaphthene			5.0	0.41	ug/L	ND					
Acenaphthylene			5.0	0.38	ug/L	ND					
Acetophenone			5.0	0.54	ug/L	ND					
Aniline			10	0.61	ug/L	ND					
Anthracene			5.0	0.28	ug/L	ND					
Atrazine			5.0	0.46	ug/L	ND					
Benzaldehyde			5.0	0.27	ug/L	ND					
Benzo(a)anthracene			5.0	0.36	ug/L	ND					
Benzo(a)pyrene			5.0	0.47	ug/L	ND					
Benzo(b)fluoranthene			5.0	0.34	ug/L	ND					
Benzo(ghi)perylene			5.0	0.35	ug/L	ND					
Benzo(k)fluoranthene			5.0	0.73	ug/L	ND					
Biphenyl			5.0	0.65	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 06/02/10 (Lab Number:10F0069-BLK1, Batch: 10F0069)											
Bis(2-chloroethoxy)methane			5.0	0.35	ug/L	ND					
Bis(2-chloroethyl)ether			5.0	0.40	ug/L	ND					
2,2'-Oxybis(1-Chloropropane)			5.0	0.52	ug/L	ND					
Bis(2-ethylhexyl)phthalate			5.0	1.8	ug/L	1.8					J
Butyl benzyl phthalate			5.0	0.42	ug/L	ND					
Caprolactam			5.0	2.2	ug/L	ND					
Carbazole			5.0	0.30	ug/L	ND					
Chrysene			5.0	0.33	ug/L	ND					
Dibenzo(a,h)anthracene			5.0	0.42	ug/L	ND					
Dibenzofuran			10	0.51	ug/L	ND					
Diethyl phthalate			5.0	0.22	ug/L	ND					
Dimethyl phthalate			5.0	0.36	ug/L	ND					
Di-n-butyl phthalate			5.0	0.31	ug/L	0.36					J
Di-n-octyl phthalate			5.0	0.47	ug/L	ND					
Fluoranthene			5.0	0.40	ug/L	ND					
Fluorene			5.0	0.36	ug/L	ND					
Hexachlorobenzene			5.0	0.51	ug/L	ND					
Hexachlorobutadiene			5.0	0.68	ug/L	ND					
Hexachlorocyclopentadiene			5.0	0.59	ug/L	ND					
Hexachloroethane			5.0	0.59	ug/L	ND					
Indeno(1,2,3-cd)pyrene			5.0	0.47	ug/L	ND					
Isophorone			5.0	0.43	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Nitrobenzene			5.0	0.29	ug/L	ND					
N-Nitrosodi-n-propylamine			5.0	0.54	ug/L	ND					
N-Nitrosodiphenylamine			5.0	0.51	ug/L	ND					
Pentachlorophenol			10	2.2	ug/L	ND					
Phenanthrene			5.0	0.44	ug/L	ND					
Phenol			5.0	0.39	ug/L	ND					
Pyrene			5.0	0.34	ug/L	ND					
Surrogate: 2,4,6-Tribromophenol					ug/L		104	52-132			
Surrogate: 2-Fluorobiphenyl					ug/L		82	48-120			
Surrogate: 2-Fluorophenol					ug/L		39	20-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
Blank Analyzed: 06/02/10 (Lab Number:10F0069-BLK1, Batch: 10F0069)											
Surrogate:					ug/L		79	46-120			
Nitrobenzene-d5											
Surrogate: Phenol-d5					ug/L		32	16-120			
Surrogate:					ug/L		70	24-136			
p-Terphenyl-d14											
LCS Analyzed: 06/02/10 (Lab Number:10F0069-BS1, Batch: 10F0069)											
2,4,5-Trichlorophenol		100	5.0	0.48	ug/L	110	110	65-126			
2,4,6-Trichlorophenol		100	5.0	0.61	ug/L	110	110	64-120			
2,4-Dichlorophenol		100	5.0	0.51	ug/L	90.4	90	64-120			
2,4-Dimethylphenol		100	5.0	0.50	ug/L	83.7	84	57-120			
2,4-Dinitrophenol		100	10	2.2	ug/L	137	137	42-153			
2,4-Dinitrotoluene		100	5.0	0.45	ug/L	116	116	59-125			
2,6-Dinitrotoluene		100	5.0	0.40	ug/L	122	122	74-134			
2-Chloronaphthalene		100	5.0	0.46	ug/L	92.4	92	52-120			
2-Chlorophenol		100	5.0	0.53	ug/L	75.8	76	48-120			
2-Methylnaphthalene		100	5.0	0.60	ug/L	90.5	91	48-120			
2-Methylphenol		100	5.0	0.40	ug/L	72.1	72	39-120			
2-Nitroaniline		100	10	0.42	ug/L	119	119	67-136			
2-Nitrophenol		100	5.0	0.48	ug/L	107	107	59-120			
3,3'-Dichlorobenzidine		100	5.0	0.40	ug/L	102	102	33-140			
3-Nitroaniline		100	10	0.48	ug/L	112	112	69-129			
4,6-Dinitro-2-methylphenol		100	10	2.2	ug/L	141	141	64-159			
4-Bromophenyl phenyl ether		100	5.0	0.45	ug/L	104	104	71-126			
4-Chloro-3-methylphenol		100	5.0	0.45	ug/L	99.3	99	64-120			
4-Chloroaniline		100	5.0	0.59	ug/L	94.2	94	60-124			
4-Chlorophenyl phenyl ether		100	5.0	0.35	ug/L	98.3	98	71-122			
4-Methylphenol		100	10	0.36	ug/L	73.5	73	36-120			
4-Nitroaniline		100	10	0.25	ug/L	102	102	64-135			
4-Nitrophenol		100	10	1.5	ug/L	55.5	56	16-120			
Acenaphthene		100	5.0	0.41	ug/L	96.6	97	60-120			
Acenaphthylene		100	5.0	0.38	ug/L	99.5	99	63-120			
Acetophenone		100	5.0	0.54	ug/L	88.2	88	45-120			
Aniline		100	10	0.61	ug/L	78.6	79	37-120			
Anthracene		100	5.0	0.28	ug/L	101	101	69-131			
Atrazine		100	5.0	0.46	ug/L	95.4	95	70-129			
Benzaldehyde		100	5.0	0.27	ug/L	91.2	91	30-140			
Benzo(a)anthracene		100	5.0	0.36	ug/L	101	101	73-138			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatiles Organics by GC/MS</u>											
LCS Analyzed: 06/02/10 (Lab Number:10F0069-BS1, Batch: 10F0069)											
Benzo(a)pyrene		100	5.0	0.47	ug/L	112	112	74-126			
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	99.5	100	75-133			
Benzo(ghi)perylene		100	5.0	0.35	ug/L	97.6	98	66-152			
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	89.3	89	75-133			
Biphenyl		100	5.0	0.65	ug/L	82.3	82	30-140			
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	82.2	82	62-120			
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	75.0	75	51-120			
2,2'-Oxybis(1-Chloropropane)		100	5.0	0.52	ug/L	92.6	93	47-120			
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	96.2	96	69-136			B
Butyl benzyl phthalate		100	5.0	0.42	ug/L	103	103	62-149			
Caprolactam		100	5.0	2.2	ug/L	36.5	36	30-140			
Carbazole		100	5.0	0.30	ug/L	101	101	68-133			
Chrysene		100	5.0	0.33	ug/L	102	102	69-140			
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	96.3	96	67-144			
Dibenzofuran		100	10	0.51	ug/L	97.8	98	66-120			
Diethyl phthalate		100	5.0	0.22	ug/L	105	105	78-128			
Dimethyl phthalate		100	5.0	0.36	ug/L	102	102	73-127			
Di-n-butyl phthalate		100	5.0	0.31	ug/L	98.9	99	67-132			B
Di-n-octyl phthalate		100	5.0	0.47	ug/L	100	100	72-145			
Fluoranthene		100	5.0	0.40	ug/L	97.6	98	67-133			
Fluorene		100	5.0	0.36	ug/L	102	102	66-129			
Hexachlorobenzene		100	5.0	0.51	ug/L	103	103	38-131			
Hexachlorobutadiene		100	5.0	0.68	ug/L	79.8	80	30-120			
Hexachlorocyclopentadiene		100	5.0	0.59	ug/L	81.1	81	23-120			
Hexachloroethane		100	5.0	0.59	ug/L	73.9	74	25-120			
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	96.4	96	69-146			
Isophorone		100	5.0	0.43	ug/L	89.7	90	64-120			
Naphthalene		100	5.0	0.76	ug/L	84.5	84	48-120			
Nitrobenzene		100	5.0	0.29	ug/L	92.2	92	52-120			
N-Nitrosodi-n-propylamine		100	5.0	0.54	ug/L	92.9	93	56-120			
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	125	125	25-125			
Pentachlorophenol		100	10	2.2	ug/L	129	129	39-136			
Phenanthrene		100	5.0	0.44	ug/L	101	101	67-130			
Phenol		100	5.0	0.39	ug/L	42.8	43	17-120			
Pyrene		100	5.0	0.34	ug/L	101	101	58-136			

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Semivolatiles Organics by GC/MS

LCS Analyzed: 06/02/10 (Lab Number:10F0069-BS1, Batch: 10F0069)

Surrogate:					ug/L	111	52-132				
2,4,6-Tribromophenol					ug/L	90	48-120				
Surrogate:					ug/L	41	20-120				
2-Fluorobiphenyl					ug/L	89	46-120				
Surrogate:					ug/L	34	16-120				
2-Fluorophenol					ug/L	81	24-136				
Surrogate:											
Nitrobenzene-d5											
Surrogate: Phenol-d5											
Surrogate:											
p-Terphenyl-d14											

LCS Dup Analyzed: 06/02/10 (Lab Number:10F0069-BSD1, Batch: 10F0069)

2,4,5-Trichlorophenol	100	5.0	0.48	ug/L	108	108	65-126	2	18	
2,4,6-Trichlorophenol	100	5.0	0.61	ug/L	108	108	64-120	1	19	
2,4-Dichlorophenol	100	5.0	0.51	ug/L	88.2	88	64-120	3	19	
2,4-Dimethylphenol	100	5.0	0.50	ug/L	80.3	80	57-120	4	42	
2,4-Dinitrophenol	100	10	2.2	ug/L	140	140	42-153	2	22	
2,4-Dinitrotoluene	100	5.0	0.45	ug/L	113	113	59-125	3	20	
2,6-Dinitrotoluene	100	5.0	0.40	ug/L	125	125	74-134	2	15	
2-Chloronaphthalene	100	5.0	0.46	ug/L	89.9	90	52-120	3	21	
2-Chlorophenol	100	5.0	0.53	ug/L	75.0	75	48-120	1	25	
2-Methylnaphthalene	100	5.0	0.60	ug/L	87.9	88	48-120	3	21	
2-Methylphenol	100	5.0	0.40	ug/L	72.4	72	39-120	0.4	27	
2-Nitroaniline	100	10	0.42	ug/L	117	117	67-136	2	15	
2-Nitrophenol	100	5.0	0.48	ug/L	102	102	59-120	4	18	
3,3'-Dichlorobenzidine	100	5.0	0.40	ug/L	108	108	33-140	6	25	
3-Nitroaniline	100	10	0.48	ug/L	112	112	69-129	0.5	19	
4,6-Dinitro-2-methylphenol	100	10	2.2	ug/L	147	147	64-159	4	15	
4-Bromophenyl phenyl ether	100	5.0	0.45	ug/L	102	102	71-126	2	15	
4-Chloro-3-methylphenol	100	5.0	0.45	ug/L	96.2	96	64-120	3	27	
4-Chloroaniline	100	5.0	0.59	ug/L	89.3	89	60-124	5	22	
4-Chlorophenyl phenyl ether	100	5.0	0.35	ug/L	97.7	98	71-122	0.6	16	
4-Methylphenol	100	10	0.36	ug/L	71.3	71	36-120	3	24	
4-Nitroaniline	100	10	0.25	ug/L	103	103	64-135	0.8	24	
4-Nitrophenol	100	10	1.5	ug/L	53.3	53	16-120	4	48	
Acenaphthene	100	5.0	0.41	ug/L	95.9	96	60-120	0.7	24	
Acenaphthylene	100	5.0	0.38	ug/L	97.1	97	63-120	2	18	
Acetophenone	100	5.0	0.54	ug/L	85.5	86	45-120	3	20	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

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Reported: 06/02/10 17:28

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Dup Analyzed: 06/02/10 (Lab Number:10F0069-BSD1, Batch: 10F0069)											
Aniline		100	10	0.61	ug/L	75.4	75	37-120	4	30	
Anthracene		100	5.0	0.28	ug/L	99.9	100	69-131	1	15	
Atrazine		100	5.0	0.46	ug/L	94.9	95	70-129	0.5	20	
Benzaldehyde		100	5.0	0.27	ug/L	89.9	90	30-140	1	20	
Benzo(a)anthracene		100	5.0	0.36	ug/L	105	105	73-138	3	15	
Benzo(a)pyrene		100	5.0	0.47	ug/L	115	115	74-126	2	15	
Benzo(b)fluoranthene		100	5.0	0.34	ug/L	99.6	100	75-133	0.07	15	
Benzo(ghi)perylene		100	5.0	0.35	ug/L	98.9	99	66-152	1	15	
Benzo(k)fluoranthene		100	5.0	0.73	ug/L	94.9	95	75-133	6	22	
Biphenyl		100	5.0	0.65	ug/L	79.3	79	30-140	4	20	
Bis(2-chloroethoxy)methane		100	5.0	0.35	ug/L	78.7	79	62-120	4	17	
Bis(2-chloroethyl)ether		100	5.0	0.40	ug/L	74.0	74	51-120	1	21	
2,2'-Oxybis(1-Chloropropane)		100	5.0	0.52	ug/L	91.0	91	47-120	2	24	
Bis(2-ethylhexyl)phthalate		100	5.0	1.8	ug/L	99.2	99	69-136	3	15	B
Butyl benzyl phthalate		100	5.0	0.42	ug/L	108	108	62-149	4	16	
Caprolactam		100	5.0	2.2	ug/L	36.5	36	30-140	0	20	
Carbazole		100	5.0	0.30	ug/L	102	102	68-133	0.3	20	
Chrysene		100	5.0	0.33	ug/L	106	106	69-140	4	15	
Dibenzo(a,h)anthracene		100	5.0	0.42	ug/L	96.2	96	67-144	0.04	15	
Dibenzofuran		100	10	0.51	ug/L	95.2	95	66-120	3	15	
Diethyl phthalate		100	5.0	0.22	ug/L	103	103	78-128	2	15	
Dimethyl phthalate		100	5.0	0.36	ug/L	102	102	73-127	0.8	15	
Di-n-butyl phthalate		100	5.0	0.31	ug/L	100	100	67-132	1	15	B
Di-n-octyl phthalate		100	5.0	0.47	ug/L	104	104	72-145	4	16	
Fluoranthene		100	5.0	0.40	ug/L	98.0	98	67-133	0.4	15	
Fluorene		100	5.0	0.36	ug/L	98.8	99	66-129	3	15	
Hexachlorobenzene		100	5.0	0.51	ug/L	104	104	38-131	0.9	15	
Hexachlorobutadiene		100	5.0	0.68	ug/L	81.6	82	30-120	2	44	
Hexachlorocyclopentadiene		100	5.0	0.59	ug/L	81.4	81	23-120	0.4	49	
Hexachloroethane		100	5.0	0.59	ug/L	72.4	72	25-120	2	46	
Indeno(1,2,3-cd)pyrene		100	5.0	0.47	ug/L	98.0	98	69-146	2	15	
Isophorone		100	5.0	0.43	ug/L	85.9	86	64-120	4	17	
Naphthalene		100	5.0	0.76	ug/L	83.9	84	48-120	0.7	29	
Nitrobenzene		100	5.0	0.29	ug/L	88.3	88	52-120	4	24	
N-Nitrosodi-n-propylamine		100	5.0	0.54	ug/L	89.6	90	56-120	4	31	

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 05/26/10
Reported: 06/02/10 17:28

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Semivolatile Organics by GC/MS</u>											
LCS Dup Analyzed: 06/02/10 (Lab Number:10F0069-BSD1, Batch: 10F0069)											
N-Nitrosodiphenylamine		100	5.0	0.51	ug/L	124	124	25-125	0.4	15	
Pentachlorophenol		100	10	2.2	ug/L	129	129	39-136	0.2	37	
Phenanthrene		100	5.0	0.44	ug/L	102	102	67-130	0.5	15	
Phenol		100	5.0	0.39	ug/L	41.2	41	17-120	4	34	
Pyrene		100	5.0	0.34	ug/L	105	105	58-136	3	19	
<i>Surrogate:</i>					ug/L	112		52-132			
<i>2,4,6-Tribromophenol</i>					ug/L	89		48-120			
<i>Surrogate:</i>					ug/L	42		20-120			
<i>2-Fluorobiphenyl</i>					ug/L	86		46-120			
<i>Surrogate:</i>					ug/L	35		16-120			
<i>Nitrobenzene-d5</i>					ug/L	87		24-136			
<i>Surrogate: Phenol-d5</i>					ug/L						
<i>Surrogate:</i>					ug/L						
<i>p-Terphenyl-d14</i>					ug/L						

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/27/10 (Lab Number:10E2071-BLK1, Batch: 10E2071)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/27/10 (Lab Number:10E2071-BS1, Batch: 10E2071)

Mercury		0.00667	0.0002	NR	mg/L	0.00688	103	80-120			

Total Metals by SW 846 Series Methods

Blank Analyzed: 05/28/10 (Lab Number:10E2095-BLK1, Batch: 10E2095)

Antimony			0.0200	NR	mg/L	ND					
Arsenic			0.0100	NR	mg/L	ND					
Barium			0.0020	NR	mg/L	ND					
Cadmium			0.0010	NR	mg/L	ND					
Chromium			0.0040	NR	mg/L	ND					
Copper			0.0100	NR	mg/L	ND					
Lead			0.0050	NR	mg/L	ND					
Nickel			0.0100	NR	mg/L	ND					
Selenium			0.0150	NR	mg/L	ND					
Silver			0.0030	NR	mg/L	ND					
Tin			0.0100	NR	mg/L	ND					
Zinc			0.0100	NR	mg/L	ND					

LCS Analyzed: 05/28/10 (Lab Number:10E2095-BS1, Batch: 10E2095)

Antimony	0.200	0.0200	NR	mg/L	0.207	103	80-120				
Arsenic	0.200	0.0100	NR	mg/L	0.203	102	80-120				
Barium	0.200	0.0020	NR	mg/L	0.196	98	80-120				
Cadmium	0.200	0.0010	NR	mg/L	0.191	96	80-120				
Chromium	0.200	0.0040	NR	mg/L	0.199	100	80-120				
Copper	0.200	0.0100	NR	mg/L	0.194	97	80-120				
Lead	0.200	0.0050	NR	mg/L	0.200	100	80-120				
Nickel	0.200	0.0100	NR	mg/L	0.196	98	80-120				
Selenium	0.200	0.0150	NR	mg/L	0.203	102	80-120				
Silver	0.0500	0.0030	NR	mg/L	0.0493	99	80-120				
Tin	0.200	0.0100	NR	mg/L	0.196	98	80-120				
Zinc	0.200	0.0100	NR	mg/L	0.196	98	80-120				

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/27/10 (Lab Number:10E2224-BLK1, Batch: 10E2224)

Mercury			0.0002	NR	mg/L	ND					

LCS Analyzed: 05/27/10 (Lab Number:10E2224-BS1, Batch: 10E2224)

Mercury		0.00667	0.0002	NR	mg/L	0.00690	104	80-120			

Matrix Spike Analyzed: 05/27/10 (Lab Number:10E2224-MS1, Batch: 10E2224)

QC Source Sample: RTE1260-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00693	104	75-125			

Matrix Spike Dup Analyzed: 05/27/10 (Lab Number:10E2224-MSD1, Batch: 10E2224)

QC Source Sample: RTE1260-01

Mercury	ND	0.00667	0.0002	NR	mg/L	0.00692	104	75-125	0.2	20	

Dissolved Metals by SW 846 Series Methods

Blank Analyzed: 05/28/10 (Lab Number:10E2233-BLK1, Batch: 10E2233)

Antimony			0.0200	NR	mg/L	ND					P7
Arsenic			0.0100	NR	mg/L	ND					P7
Barium			0.0020	NR	mg/L	ND					P7
Cadmium			0.0010	NR	mg/L	ND					P7
Chromium			0.0040	NR	mg/L	ND					P7
Copper			0.0100	NR	mg/L	ND					P7
Lead			0.0050	NR	mg/L	ND					P7
Nickel			0.0100	NR	mg/L	ND					P7
Selenium			0.0150	NR	mg/L	ND					P7
Silver			0.0030	NR	mg/L	ND					P7
Tin			0.0100	NR	mg/L	ND					P7
Zinc			0.0100	NR	mg/L	ND					P7

LCS Analyzed: 05/28/10 (Lab Number:10E2233-BS1, Batch: 10E2233)

Antimony		0.200	0.0200	NR	mg/L	0.201	100	80-120			P7
Arsenic		0.200	0.0100	NR	mg/L	0.199	99	80-120			P7
Barium		0.200	0.0020	NR	mg/L	0.192	96	80-120			P7
Cadmium		0.200	0.0010	NR	mg/L	0.197	98	80-120			P7
Chromium		0.200	0.0040	NR	mg/L	0.203	102	80-120			P7
Copper		0.200	0.0100	NR	mg/L	0.197	98	80-120			P7
Lead		0.200	0.0050	NR	mg/L	0.200	100	80-120			P7
Nickel		0.200	0.0100	NR	mg/L	0.200	100	80-120			P7
Selenium		0.200	0.0150	NR	mg/L	0.200	100	80-120			P7
Silver		0.0500	0.0030	NR	mg/L	0.0494	99	80-120			P7
Tin		0.200	0.0100	NR	mg/L	0.208	104	80-120			P7

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTE1260
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Dissolved Metals by SW 846 Series Methods</u>											
LCS Analyzed: 05/28/10 (Lab Number:10E2233-BS1, Batch: 10E2233)											
Zinc		0.200	0.0100	NR	mg/L	0.204	102	80-120			P7

TestAmerica

Temperature on Receipt: --

Chain of Custody Record

Drinking Water? Yes ☐ No ☒

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (11/07)

Client MACTEC ENGR + CONS	Project Manager SCOTT KEESLING	Date 5/25/10	Chain of Custody Number 139921
Address 3200 TOWN POINT DR. NW SUITE 200 (770) 421-3441	Telephone Number (Area Code)/Fax Number (770) 421-3441	Lab Number	Page 1 of 1
City KENNESAW	State GA	Zip Code 30144	Analysis (Attach list if more space is needed)
Project Name and Location (State) PROJECT YANKEE - CONFIDENTIAL NY STATE PROJECT	Site Contact RICK WALZAK	Lab Contact BRIAN FISCHER	Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No. QUOTE # 48002071-2 PO # 201006714	Summary/Notes/Reference		
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Containers & Preservatives	Matrix	
B-3	PLASTIC	PLASTIC	
Date 5/25/10	Time 0915	Analysis	
		VOC 8260B	X
		SVOC 8270C	X
		HEAVY METALS	X
		DISSOLVED METALS	X
		NEED LAB FILTER	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return to Client ☒ Dispose/By Lab ☐ Archive For
 (A fee may be assessed if samples are returned longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other **3 DAY**

1. Requisitioned By
Theresa P. Ambler to **FED Ex** Date **5/25/10** Time **1500**

2. Requisitioned By
 Date Time

3. Requisitioned By
 Date Time

Comments
METALS (Ag, As, Ba, Cd, Cr, Hg, Pb, Se, Cu, Ni, Sb, Zn, Sn) AQUEOUS DISSOLVED METALS LAB FILTER + PRESERVE.
 DISTRIBUTION: WHITE Returned to Client with Report. CANNOT STAY with the Sample. Please, Field Only
 CUSTODY SEAL # **20**

Analytical Report

Work Order: RTF0699

Project Description
New York State Project

For:

Scott Keesling

MACTEC Engineering & Consultants - Alpharetta, GA

3200 Town Point Drive Northwest, Ste 100

Kennesaw, GA 30144



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, June 14, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
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DATA QUALIFIERS AND DEFINITIONS

D08 Dilution required due to high concentration of target analyte(s)
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
QGP Gel Permeation (EPA 3640) clean-up performed on extract.
Z1 Surrogate recovery was above acceptance limits.
NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-01 (S-1 - Solid)						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS</u>										
2-Chlorophenol	37	QGP,J	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Methylnaphthalene	80	QGP,J	530	6.4	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Methylphenol	28	QGP,J	530	16	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acenaphthene	730	QGP	530	6.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acenaphthylene	210	QGP,J	530	4.3	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acetophenone	340	QGP,J	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Anthracene	1900	QGP	530	14	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzaldehyde	70	QGP,J	530	58	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(a)anthracene	13000	QGP	530	9.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(a)pyrene	16000	QGP	530	13	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(ghi)perylene	12000	QGP	530	6.4	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Biphenyl	60	QGP,J	530	33	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Bis(2-ethylhexyl) phthalate	1500	QGP	530	170	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Butyl benzyl phthalate	440	QGP,J	530	140	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Carbazole	1900	QGP	530	6.1	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Chrysene	16000	QGP	530	5.3	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Dibenzo(a,h)anthracene	4700	QGP	530	6.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Dibenzofuran	310	QGP,J	530	5.5	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Di-n-butyl phthalate	180	QGP,J	530	180	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Fluorene	840	QGP	530	12	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Indeno(1,2,3-cd)pyrene	13000	QGP	530	15	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Naphthalene	88	QGP,J	530	8.8	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
N-Nitrosodiphenylamine	40	QGP,J	530	29	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Phenanthrene	13000	QGP	530	11	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Phenol	120	QGP,J	530	56	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C

General Chemistry Parameters

Percent Solids	62	0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

Sample ID: RTF0699-01RE1 (S-1 - Solid)

Sampled: 05/12/10 12:45

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS

Benzo(b)fluoranthene	25000	D08, QGP	2100	41	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Benzo(k)fluoranthene	7100	D08, QGP	2100	23	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Fluoranthene	35000	D08, QGP	2100	31	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Pyrene	27000	D08, QGP	2100	14	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C

Sample ID: RTF0699-02 (S-2 - Solid)

Sampled: 05/12/10 13:00

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS

2-Chlorophenol	42	QGP,J	740	37	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Methylnaphthalene	38	QGP,J	740	8.9	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acenaphthene	81	QGP,J	740	8.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acenaphthylene	140	QGP,J	740	6.0	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acetophenone	360	QGP,J	740	38	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Anthracene	260	QGP,J	740	19	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(a)anthracene	2300	QGP	740	13	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(a)pyrene	5100	QGP	740	18	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method

Sample ID: RTF0699-02 (S-2 - Solid) - cont.

Sampled: 05/12/10 13:00

Recvd: 05/13/10 08:40

Semivolatile Organics by GC/MS - cont.

Benzo(b)fluoranthene	10000	QGP	740	14	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(ghi)perylene	5400	QGP	740	8.8	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(k)fluoranthene	2400	QGP	740	8.1	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Bis(2-ethylhexyl) phthalate	500	QGP,J	740	240	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Carbazole	580	QGP,J	740	8.5	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Chrysene	5600	QGP	740	7.3	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Dibenzo(a,h)anthracene	1400	QGP	740	8.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Dibenzofuran	62	QGP,J	740	7.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Fluoranthene	8500	QGP	740	11	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Fluorene	97	QGP,J	740	17	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Indeno(1,2,3-cd)pyrene	5800	QGP	740	20	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Naphthalene	65	QGP,J	740	12	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Phenanthrene	2400	QGP	740	15	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Phenol	130	QGP,J	740	77	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Pyrene	6700	QGP	740	4.8	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C

General Chemistry Parameters

Percent Solids	45		0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

Sample ID: RTF0699-03 (B-100001 - Solid)

Sampled: 05/19/10 09:00

Recvd: 05/20/10 09:00

Semivolatile Organics by GC/MS

Acenaphthene	36	QGP,J	430	5.1	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Acetophenone	76	QGP,J	430	22	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Anthracene	72	QGP,J	430	11	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(a)anthracene	830	QGP	430	7.4	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(a)pyrene	1100	QGP	430	10	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(b)fluoranthene	1400	QGP	430	8.3	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(ghi)perylene	770	QGP	430	5.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(k)fluoranthene	660	QGP	430	4.7	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Bis(2-ethylhexyl) phthalate	190	QGP,J	430	140	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Carbazole	110	QGP,J	430	5.0	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Chrysene	1200	QGP	430	4.3	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Dibenzo(a,h)anthracene	190	QGP,J	430	5.1	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Fluoranthene	2400	QGP	430	6.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Fluorene	37	QGP,J	430	9.9	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Indeno(1,2,3-cd)pyrene	750	QGP	430	12	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Phenanthrene	1000	QGP	430	9.0	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Pyrene	1900	QGP	430	2.8	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C

General Chemistry Parameters

Percent Solids	78		0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
S-1	RTF0699-01	Solid	05/12/10 12:45	06/09/10 16:45	
S-2	RTF0699-02	Solid	05/12/10 13:00	06/09/10 16:45	
B-100001	RTF0699-03	Solid	05/19/10 09:00	06/09/10 16:45	

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3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
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Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-01 (S-1 - Solid)						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	QGP	530	120	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4,6-Trichlorophenol	ND	QGP	530	35	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4-Dichlorophenol	ND	QGP	530	28	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4-Dimethylphenol	ND	QGP	530	140	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4-Dinitrophenol	ND	QGP	1000	190	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4-Dinitrotoluene	ND	QGP	530	82	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,6-Dinitrotoluene	ND	QGP	530	130	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Chloronaphthalene	ND	QGP	530	36	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Chlorophenol	37	QGP,J	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Methylnaphthalene	80	QGP,J	530	6.4	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Methylphenol	28	QGP,J	530	16	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Nitroaniline	ND	QGP	1000	170	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2-Nitrophenol	ND	QGP	530	24	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
3,3'-Dichlorobenzidine	ND	QGP	530	470	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
3-Nitroaniline	ND	QGP	1000	120	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4,6-Dinitro-2-methylphenol	ND	QGP	1000	180	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Bromophenyl phenyl ether	ND	QGP	530	170	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Chloro-3-methylphenol	ND	QGP	530	22	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Chloroaniline	ND	QGP	530	160	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Chlorophenyl phenyl ether	ND	QGP	530	11	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Methylphenol	ND	QGP	1000	30	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Nitroaniline	ND	QGP	1000	59	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
4-Nitrophenol	ND	QGP	1000	130	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acenaphthene	730	QGP	530	6.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acenaphthylene	210	QGP,J	530	4.3	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Acetophenone	340	QGP,J	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Anthracene	1900	QGP	530	14	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Atrazine	ND	QGP	530	24	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzaldehyde	70	QGP,J	530	58	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(a)anthracene	13000	QGP	530	9.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(a)pyrene	16000	QGP	530	13	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Benzo(ghi)perylene	12000	QGP	530	6.4	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Biphenyl	60	QGP,J	530	33	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Bis(2-chloroethoxy)methane	ND	QGP	530	29	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Bis(2-chloroethyl)ether	ND	QGP	530	46	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,2'-Oxybis(1-Chloropropylane)	ND	QGP	530	55	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Bis(2-ethylhexyl)phthalate	1500	QGP	530	170	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Butyl benzyl phthalate	440	QGP,J	530	140	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Caprolactam	ND	QGP	530	230	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Carbazole	1900	QGP	530	6.1	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Chrysene	16000	QGP	530	5.3	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Dibenzo(a,h)anthracene	4700	QGP	530	6.2	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Dibenzofuran	310	QGP,J	530	5.5	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Diethyl phthalate	ND	QGP	530	16	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Dimethyl phthalate	ND	QGP	530	14	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
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Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-01 (S-1 - Solid) - cont.						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Di-n-butyl phthalate	180	QGP,J	530	180	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Di-n-octyl phthalate	ND	QGP	530	12	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Fluorene	840	QGP	530	12	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Hexachlorobenzene	ND	QGP	530	26	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Hexachlorobutadiene	ND	QGP	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Hexachlorocyclopentadiene	ND	QGP	530	160	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Hexachloroethane	ND	QGP	530	41	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Indeno(1,2,3-cd)pyrene	13000	QGP	530	15	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Isophorone	ND	QGP	530	27	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Naphthalene	88	QGP,J	530	8.8	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Nitrobenzene	ND	QGP	530	24	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
N-Nitrosodi-n-propylamine	ND	QGP	530	42	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
N-Nitrosodiphenylamine	40	QGP,J	530	29	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Pentachlorophenol	ND	QGP	1000	180	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Phenanthrene	13000	QGP	530	11	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
Phenol	120	QGP,J	530	56	ug/kg dry	1.00	06/11/10 12:08	RAR	10F0837	8270C
2,4,6-Tribromophenol	139 %	QGP	Surr Limits: (39-146%)				06/11/10 12:08	RAR	10F0837	8270C
2-Fluorobiphenyl	119 %	QGP	Surr Limits: (37-120%)				06/11/10 12:08	RAR	10F0837	8270C
2-Fluorophenol	67 %	QGP	Surr Limits: (18-120%)				06/11/10 12:08	RAR	10F0837	8270C
Nitrobenzene-d5	91 %	QGP	Surr Limits: (34-132%)				06/11/10 12:08	RAR	10F0837	8270C
Phenol-d5	96 %	QGP	Surr Limits: (11-120%)				06/11/10 12:08	RAR	10F0837	8270C
p-Terphenyl-d14	124 %	QGP	Surr Limits: (58-147%)				06/11/10 12:08	RAR	10F0837	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	62		0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-01RE1 (S-1 - Solid)						Sampled: 05/12/10 12:45		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS</u>										
Benzo(b)fluoranthene	25000	D08, QGP	2100	41	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Benzo(k)fluoranthene	7100	D08, QGP	2100	23	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Fluoranthene	35000	D08, QGP	2100	31	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
Pyrene	27000	D08, QGP	2100	14	ug/kg dry	4.00	06/11/10 12:57	RAR	10F0837	8270C
2,4,6-Tribromophenol	134 %	D08, QGP	Surr Limits: (39-146%)				06/11/10 12:57	RAR	10F0837	8270C
2-Fluorobiphenyl	119 %	D08, QGP	Surr Limits: (37-120%)				06/11/10 12:57	RAR	10F0837	8270C
2-Fluorophenol	66 %	D08, QGP	Surr Limits: (18-120%)				06/11/10 12:57	RAR	10F0837	8270C
Nitrobenzene-d5	90 %	D08, QGP	Surr Limits: (34-132%)				06/11/10 12:57	RAR	10F0837	8270C
Phenol-d5	99 %	D08, QGP	Surr Limits: (11-120%)				06/11/10 12:57	RAR	10F0837	8270C
p-Terphenyl-d14	124 %	D08, QGP	Surr Limits: (58-147%)				06/11/10 12:57	RAR	10F0837	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-02 (S-2 - Solid)						Sampled: 05/12/10 13:00		Recvd: 05/13/10 08:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	QGP	740	160	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4,6-Trichlorophenol	ND	QGP	740	48	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4-Dichlorophenol	ND	QGP	740	39	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4-Dimethylphenol	ND	QGP	740	200	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4-Dinitrophenol	ND	QGP	1400	260	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4-Dinitrotoluene	ND	QGP	740	110	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,6-Dinitrotoluene	ND	QGP	740	180	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Chloronaphthalene	ND	QGP	740	49	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Chlorophenol	42	QGP,J	740	37	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Methylnaphthalene	38	QGP,J	740	8.9	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Methylphenol	ND	QGP	740	23	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Nitroaniline	ND	QGP	1400	240	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2-Nitrophenol	ND	QGP	740	34	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
3,3'-Dichlorobenzidine	ND	QGP	740	640	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
3-Nitroaniline	ND	QGP	1400	170	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4,6-Dinitro-2-methylphenol	ND	QGP	1400	250	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Bromophenyl phenyl ether	ND	QGP	740	230	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Chloro-3-methylphenol	ND	QGP	740	30	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Chloroaniline	ND	QGP	740	220	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Chlorophenyl phenyl ether	ND	QGP	740	16	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Methylphenol	ND	QGP	1400	41	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Nitroaniline	ND	QGP	1400	82	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
4-Nitrophenol	ND	QGP	1400	180	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acenaphthene	81	QGP,J	740	8.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acenaphthylene	140	QGP,J	740	6.0	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Acetophenone	360	QGP,J	740	38	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Anthracene	260	QGP,J	740	19	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Atrazine	ND	QGP	740	33	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzaldehyde	ND	QGP	740	81	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(a)anthracene	2300	QGP	740	13	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(a)pyrene	5100	QGP	740	18	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(b)fluoranthene	10000	QGP	740	14	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(ghi)perylene	5400	QGP	740	8.8	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Benzo(k)fluoranthene	2400	QGP	740	8.1	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Biphenyl	ND	QGP	740	46	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Bis(2-chloroethoxy)methane	ND	QGP	740	40	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Bis(2-chloroethyl)ether	ND	QGP	740	63	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,2'-Oxybis(1-Chloropropene)	ND	QGP	740	77	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Bis(2-ethylhexyl)phthalate	500	QGP,J	740	240	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Butyl benzyl phthalate	ND	QGP	740	200	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Caprolactam	ND	QGP	740	320	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Carbazole	580	QGP,J	740	8.5	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Chrysene	5600	QGP	740	7.3	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Dibenzo(a,h)anthracene	1400	QGP	740	8.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Dibenzofuran	62	QGP,J	740	7.6	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-02 (S-2 - Solid) - cont.						Sampled: 05/12/10 13:00		Recvd: 05/13/10 08:40		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND	QGP	740	22	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Dimethyl phthalate	ND	QGP	740	19	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Di-n-butyl phthalate	ND	QGP	740	250	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Di-n-octyl phthalate	ND	QGP	740	17	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Fluoranthene	8500	QGP	740	11	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Fluorene	97	QGP,J	740	17	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Hexachlorobenzene	ND	QGP	740	37	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Hexachlorobutadiene	ND	QGP	740	38	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Hexachlorocyclopentadiene	ND	QGP	740	220	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Hexachloroethane	ND	QGP	740	57	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Indeno(1,2,3-cd)pyrene	5800	QGP	740	20	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Isophorone	ND	QGP	740	37	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Naphthalene	65	QGP,J	740	12	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Nitrobenzene	ND	QGP	740	33	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
N-Nitrosodi-n-propylamine	ND	QGP	740	58	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
N-Nitrosodiphenylamine	ND	QGP	740	40	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Pentachlorophenol	ND	QGP	1400	250	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Phenanthrene	2400	QGP	740	15	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Phenol	130	QGP,J	740	77	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
Pyrene	6700	QGP	740	4.8	ug/kg dry	1.00	06/11/10 12:32	RAR	10F0837	8270C
2,4,6-Tribromophenol	172 %	QGP,Z1	Surr Limits: (39-146%)				06/11/10 12:32	RAR	10F0837	8270C
2-Fluorobiphenyl	123 %	QGP,Z1	Surr Limits: (37-120%)				06/11/10 12:32	RAR	10F0837	8270C
2-Fluorophenol	73 %	QGP	Surr Limits: (18-120%)				06/11/10 12:32	RAR	10F0837	8270C
Nitrobenzene-d5	94 %	QGP	Surr Limits: (34-132%)				06/11/10 12:32	RAR	10F0837	8270C
Phenol-d5	108 %	QGP	Surr Limits: (11-120%)				06/11/10 12:32	RAR	10F0837	8270C
p-Terphenyl-d14	140 %	QGP	Surr Limits: (58-147%)				06/11/10 12:32	RAR	10F0837	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	45		0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-03 (B-100001 - Solid)						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	QGP	430	94	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4,6-Trichlorophenol	ND	QGP	430	28	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4-Dichlorophenol	ND	QGP	430	23	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4-Dimethylphenol	ND	QGP	430	120	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4-Dinitrophenol	ND	QGP	840	150	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4-Dinitrotoluene	ND	QGP	430	67	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,6-Dinitrotoluene	ND	QGP	430	110	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Chloronaphthalene	ND	QGP	430	29	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Chlorophenol	ND	QGP	430	22	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Methylnaphthalene	ND	QGP	430	5.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Methylphenol	ND	QGP	430	13	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Nitroaniline	ND	QGP	840	140	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2-Nitrophenol	ND	QGP	430	20	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
3,3'-Dichlorobenzidine	ND	QGP	430	380	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
3-Nitroaniline	ND	QGP	840	99	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4,6-Dinitro-2-methylphenol	ND	QGP	840	150	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Bromophenyl phenyl ether	ND	QGP	430	140	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Chloro-3-methylphenol	ND	QGP	430	18	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Chloroaniline	ND	QGP	430	130	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Chlorophenyl phenyl ether	ND	QGP	430	9.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Methylphenol	ND	QGP	840	24	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Nitroaniline	ND	QGP	840	48	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
4-Nitrophenol	ND	QGP	840	100	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Acenaphthene	36	QGP,J	430	5.1	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Acenaphthylene	ND	QGP	430	3.5	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Acetophenone	76	QGP,J	430	22	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Anthracene	72	QGP,J	430	11	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Atrazine	ND	QGP	430	19	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzaldehyde	ND	QGP	430	47	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(a)anthracene	830	QGP	430	7.4	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(a)pyrene	1100	QGP	430	10	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(b)fluoranthene	1400	QGP	430	8.3	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(ghi)perylene	770	QGP	430	5.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Benzo(k)fluoranthene	660	QGP	430	4.7	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Biphenyl	ND	QGP	430	27	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Bis(2-chloroethoxy)methane	ND	QGP	430	23	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Bis(2-chloroethyl)ether	ND	QGP	430	37	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND	QGP	430	45	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Bis(2-ethylhexyl)phthalate	190	QGP,J	430	140	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Butyl benzyl phthalate	ND	QGP	430	120	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Caprolactam	ND	QGP	430	190	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Carbazole	110	QGP,J	430	5.0	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Chrysene	1200	QGP	430	4.3	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Dibenzo(a,h)anthracene	190	QGP,J	430	5.1	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Dibenzofuran	ND	QGP	430	4.5	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0699-03 (B-100001 - Solid) - cont.						Sampled: 05/19/10 09:00		Recvd: 05/20/10 09:00		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Diethyl phthalate	ND	QGP	430	13	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Dimethyl phthalate	ND	QGP	430	11	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Di-n-butyl phthalate	ND	QGP	430	150	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Di-n-octyl phthalate	ND	QGP	430	10	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Fluoranthene	2400	QGP	430	6.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Fluorene	37	QGP,J	430	9.9	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Hexachlorobenzene	ND	QGP	430	21	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Hexachlorobutadiene	ND	QGP	430	22	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Hexachlorocyclopentadiene	ND	QGP	430	130	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Hexachloroethane	ND	QGP	430	33	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Indeno(1,2,3-cd)pyrene	750	QGP	430	12	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Isophorone	ND	QGP	430	21	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Naphthalene	ND	QGP	430	7.2	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Nitrobenzene	ND	QGP	430	19	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
N-Nitrosodi-n-propylamine	ND	QGP	430	34	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
N-Nitrosodiphenylamine	ND	QGP	430	24	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Pentachlorophenol	ND	QGP	840	150	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Phenanthrene	1000	QGP	430	9.0	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Phenol	ND	QGP	430	45	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
Pyrene	1900	QGP	430	2.8	ug/kg dry	1.00	06/11/10 13:42	MKP	10F0837	8270C
2,4,6-Tribromophenol	77 %	QGP	Surr Limits: (39-146%)				06/11/10 13:42	MKP	10F0837	8270C
2-Fluorobiphenyl	75 %	QGP	Surr Limits: (37-120%)				06/11/10 13:42	MKP	10F0837	8270C
2-Fluorophenol	46 %	QGP	Surr Limits: (18-120%)				06/11/10 13:42	MKP	10F0837	8270C
Nitrobenzene-d5	61 %	QGP	Surr Limits: (34-132%)				06/11/10 13:42	MKP	10F0837	8270C
Phenol-d5	60 %	QGP	Surr Limits: (11-120%)				06/11/10 13:42	MKP	10F0837	8270C
p-Terphenyl-d14	83 %	QGP	Surr Limits: (58-147%)				06/11/10 13:42	MKP	10F0837	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	78		0.010	NR	%	1.00	06/10/10 09:56	CJM	10F0870	Dry Weight

MACTEC Engineering & Consultants - Alpharetta, GA Work Order: RTF0699
3200 Town Point Drive Northwest, Ste 100
Kennesaw, GA 30144

Project: New York State Project
Project Number: MACTEC-0006

Received: 06/09/10
Reported: 06/14/10 16:23

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
Dry Weight	10F0870	RTF0699-01	10.00	g	10.00	g	06/10/10 09:55	CJM	Dry Weight
Dry Weight	10F0870	RTF0699-02	10.00	g	10.00	g	06/10/10 09:55	CJM	Dry Weight
Dry Weight	10F0870	RTF0699-03	10.00	g	10.00	g	06/10/10 09:55	CJM	Dry Weight
Semivolatile Organics by GC/MS									
8270C	10F0837	RTF0699-02	30.45	g	1.00	mL	05/13/10 10:00	BML	3550B MB
8270C	10F0837	RTF0699-01	30.70	g	1.00	mL	05/13/10 10:00	BML	3550B MB
8270C	10F0837	RTF0699-01RE1	30.70	g	1.00	mL	05/13/10 10:00	BML	3550B MB
8270C	10F0837	RTF0699-03	30.11	g	1.00	mL	05/20/10 10:00	BML	3550B MB

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAA-4124 (1/02/07)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Project Manager: Scott Keesling Date: 5/19/10 Chain of Custody Number: 139915

Client: Mactec Engineering + Consulting Lab Number: _____

Address: 3200 Town Point Dr NW, Suite 100 Telephone Number (Area Code) / Fax Number: 770-481-3441

City: Kennesaw State: GA Zip Code: 30144 Site Contact: Rick Walyak Lab Contact: Brian Fischer

Project Name and Location (Site): Project Yankee - Confidential NY State Project Carrier/Vehicle Number: Fed-ex

Contract/Purchase Order/Quote No.: Quote # 4802071-2 P.O. # 201006714

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Preservative	Containers & Vials	Analysis (Attach list if more than 10)	Special Instructions/Conditions of Receipt
B-11920	5/19/10	14:30	X	1	3	Metals SVOCs 8270C Total Metals YOCs 8021 Disolved Metals SVOCs 8270C	
B-101920	↓	9:40	X	1	3	X X X	
B-100001	↓	9:00	X	1	3	X X X	
B-92025	↓	8:25	X	1	3	X X X	
B-6	5/19/10	16:00	X	1	113	X X X	Disolved metal
B-7	↓	17:40	X	1	113	X X X	samples to be
B-10	↓	17:00	X	1	113	X X X	lab filtered
B-9	↓	14:30	X	1	116	X X X	
B-8	↓	15:15	X	1	16	X X X	

Sample Disposal: RMW 5/19/10

Possible Hazard Identification:
☐ Non-Hazard ☐ Flammable ☐ Solid Material ☐ Poison B ☒ Unknown ☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____
 (A fee may be assessed if samples are returned moving longer than 1 month)

Turn Around Time Required:
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other: 3 day TAT

1. Analyzed By: Rick Walyak Date: 5/19/10 Time: 20:00

2. Requisitioned By: _____ Date: _____ Time: _____

3. Requisitioned By: _____ Date: _____ Time: _____

1. Received By: _____ Date: _____ Time: _____

2. Received By: _____ Date: _____ Time: _____

3. Received By: _____ Date: _____ Time: _____

Comments: Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, Se, Ca, Ni, Sb, Zn, Sn) Custody See/S 617696

DISTRIBUTION: NY TE - Returned to client with Report. California days with the Samples. PHAK - Field Copy

617697