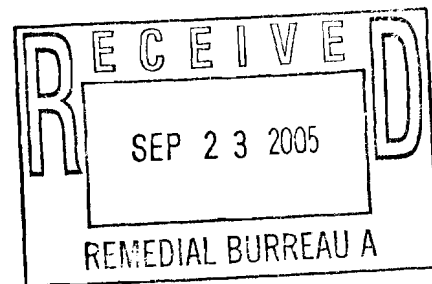


Monthly Operations and Monitoring Report



August 2005

Site:

Stanton Cleaners Area Groundwater Contamination Site Great Neck, New York

Prepared for:

Environmental Chemical Corporation
1293 Broad Street, Suite 200
Bloomfield, New Jersey 07003

Prepared by:

Earth Tech, Inc.
7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

September 12, 2005

ET Project No. 70536.02.01.02

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Earth Tech, Inc.
7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Author: Robert Derrick

Title: Environmental Scientist

Date: September 9, 2005

Reviewer: James Kearns

Title: Environmental Scientist

Date: September 12, 2005

ET Project No. 70536.02.01.02

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1.0 INTRODUCTION

This Monthly Operations and Monitoring Report, August 2005 (Monthly Report) has been prepared by Earth Tech, Inc., as a subcontractor to Environmental Chemical Corporation (ECC), under Contract No.5442-001-001.

The Stanton Cleaners Area Groundwater Contamination (Stanton) site is located at 110 Cutter Mill Road in Great Neck, Nassau County, New York. The Stanton Cleaner Property (SCP) is approximately ¼ acre in size and includes a two-story building in which a dry-cleaning business operates and an adjacent one-story boiler/storage building as well as a two-story treatment building. The site is bordered by an indoor tennis facility, a synagogue and school facility.

Improper handling and disposal of spent dry cleaning solvents, including Tetrachloroethylene (PCE), resulted in the release of hazardous substances at the site. PCE migrated from the site's subsurface soils into the indoor air environments of the surrounding buildings and into groundwater beneath the site, resulting in a significant threat to human health.

In 1983, approximately 20 cubic yards of PCE-contaminated soil was removed from behind the Stanton Cleaners property.

In 1989, a groundwater extraction and treatment system was installed by the original Site operator to address groundwater contamination which resulted from improper disposal of spent PCE behind the SCP building. This system is not currently operational.

In 1998, the New York State Department of Environmental Conservation (NYSDEC) funded the construction of a new air stripper treatment system for the WAGNN water supply wells, which are impacted by contamination from the Site. This treatment system is currently in operation. In October 1998, as an immediate response action, the EPA installed a temporary soil vapor interceptor system, adjacent to the tennis club, to mitigate impacts from PCE vapors to the indoor air of this facility.

In 2001, the EPA completed the construction and installation of a soil vapor extraction (SVE) system and a ground water treatment (GWT) system on the SCP. Both the SVE and GWT systems are housed in the treatment building that was constructed on the SCP. The SVE was installed to remediate the VOC-contaminated soils, thus reducing the indoor air contamination in the adjacent affected buildings to safe levels. The GWT system was installed to remediate the VOC-contaminated groundwater and to remove the threat of vapors through the Site soils. Both systems are currently operating at the Site. The collected VOC-contaminated vapors and groundwater from both systems are treated through separate granular activated carbon (GAC) systems.

The site is presently under the jurisdiction of the Remedial Branch of the USEPA, Region II; USACE provides oversight to USEPA for the remedial action and the long-term remedial action programs. ECC provides oversight to the USACE to perform long-term remediation actions. Earth Tech, as a subcontractor to ECC, provides support on the following tasks as described in the Work Plan:

- Operation and maintenance (O&M) of the GWTS and SVE, including sampling and reporting;
 - Sampling of monitoring wells associated with the site in order to track the migration of the contaminant plume, along with reporting.
-

- Sampling of indoor air quality of buildings adjacent to the site in order to identify all the adjacent buildings being impacted by site related contaminants and the effectiveness of the remedial actions being instituted at the site.

All work under this contract is performed in accordance with the following documents:

- Work Plan for Long-Term Remedial Action Support;
- Site-Specific Health and Safety Plan (HASP), dated July 23, 2001 and
- Sampling Quality Assurance Project Plan (SQAPP) dated August 22, 2000.

As required by the Scope of Work for this project, monthly summary reports are prepared to document and summarize the activities taking place. These reports provide a concise description of work performed during the reporting period and include pertinent deliverables as appendices. This monthly summary report covers the period between August 1, and August 31, 2005.

2.0 SUMMARY OF ACTIVITIES DURING AUGUST 2005

The following list summarizes activities performed and milestone dates under this contract during the reporting period, August 2005:

- August 2 – Weekly O&M Inspection
- August 2 – Bi-weekly system air monitoring
- August 4 – Monthly water level measurements
- August 9 – Weekly O&M Inspection
- August 9 – Bi-weekly system air monitoring
- August 15 – Weekly O&M Inspection
- August 24 – Weekly O&M Inspection
- August 24 – Bi-weekly system air monitoring
- August 29 – Weekly O&M Inspection
- August 29-September 1 – Quarterly Groundwater Sampling Event

Details of system shutdowns and alarms during the month of August 2005 are discussed in section 3.1. Daily Quality Control Reports (DQCRs), which include projected work for the following two weeks, are completed for each day of site activities. Copies of these reports are included as Appendix A.

3.0 GROUNDWATER TREATMENT SYSTEM ACTIVITIES

3.1 Operation and Maintenance

The GWTS treated and discharged 2,635,860.6 gallons during the month of August 2005. The system was operational (recovery well pumps running) for approximately 740 of the 744 hours during the month,

for an average operating flow of 59.4 gallons per minute (gpm). The system has treated a total of 103,492,557 gallons since the plant startup in November 2001.

There are currently two recovery wells pumping water into the system (EPA-EXT-02 and EPA-EXT-4R). EPA-EXT-02 is located in the triangle, the corner of New Cutter Mill Road and Mirrielees Road. Extraction well MW-24 was also pumping from the triangle location until it was turned off and April 20, 2005. Extraction well EPA-EXT-4R was activated on April 20, 2005. This new extraction well is located in the parking lot directly in front of the Stanton Dry Cleaners building. The decision to turn off extraction well MW-24 and replace it with EPA-ECT-4R was made by the USEPA.

The facility is equipped with a remote monitoring and control system that was accessed a minimum of three times per week, by the lead engineer, during the reporting period to ensure proper system operation and notify response personnel if a problem or abnormal condition was observed. The system also provides remote notification of alarm conditions via automatic e-mail and text messaging.

The Treatment System Operation and Maintenance Checklist were completed during each O&M inspection event and the checklists for August 2, 9, 15, 24 and 29, 2005 are provided in Appendix B. When the system is operational, any abnormal conditions or parameters outside of the normal operating range are addressed by the lead operator and/or monitoring/environmental technician on site (Jim Simmonds/Tom Williams or James Kearns). If they require guidance or notes any serious conditions, the inspector notifies the task manager (Tom Williams). The checklists are completed on site and sent to the task manager for review and scheduling of additional work if needed. Abnormal conditions and/or parameters outside the operating range are addressed, including repairs, cleaning, and continued monitoring.

System operational and alarm conditions are automatically stored by the PLC. This data is downloaded every two weeks. The August 2005 operational data is included in Appendix C. While operational, the system data are within the normal ranges and are consistent with visual observations, with any exceptions as described above.

The effluent flow data table in Appendix C shows daily discharge flows from each day of system operation and cumulative treated water discharge for each day during the reporting period, as well as a summary of total monthly flow and average daily flow since the system was started up in October 2001.

3.2 Sampling and Analysis

3.2.1 Raw and Treated Groundwater

In accordance with the SQAPP, GWTS sampling is conducted on a monthly basis to monitor plant efficiency, to determine whether liquid carbon breakthrough has occurred, and to verify that contract-specific discharge parameters (in accordance with National Pollutant Discharge Elimination System (NPDES) permit equivalency) are met. The combined GWTS influent, along with the GWTS effluent (discharge), will be sampled by the 15th of each month. Collected samples will be shipped to a designated EPA, CLP lab for analysis of TCL volatile organic compounds.

Earth Tech personnel conducted the GWTS influent and effluent sampling for this report period on August 15, 2005. The samples were shipped to the USEP Region II DESA Laboratory, located in Edison, NJ for analysis of low concentration TCL volatile organic compounds. A copy of the full sampling trip report containing the chain of custody forms and FedEx air bill is included in Appendix D. Laboratory

analytical results for the GWTS sampling event during this reporting period will be forwarded to ECC under separate cover from the laboratory.

Measurements of influent and effluent pH and turbidity, along with effluent conductivity, are automatically monitored and recorded by the GWTS PLC on a daily basis; this information is included with the downloaded data in Appendix C.

The next GWTS influent / effluent sampling event is scheduled for September 7, 2005.

3.2.2 Process Air Stream Monitoring

Air monitoring of the SVE and Pump and Treat System is performed on a bi-weekly basis. It includes monitoring for VOCs, air velocity, temperature, humidity, dew point, vacuum pressure and other parameters, as specified in the O&M manual. Air monitoring is performed at the following locations within the system:

- Combined SVE - Influent (pre-treatment),
- Post groundwater Air-Stripper (pre-treatment),
- Post vapor phase carbon vessel 1 – Air Stripper air discharge (post-treatment).
- Post vapor phase carbon vessel 2 – SVE air discharge (post-treatment).
- Sub-slab monitoring points (pre-treatment)

Bi-weekly air monitoring activities were conducted on August 2, 9 and 24 2005. The bi-weekly air monitoring logs are included in Appendix F. Estimated PCE removal rates for the SVE system are presented in Table 1. A Graph showing the estimated PCE removal rate trend over time is presented in Figure 2. The next bi-weekly air-monitoring event is scheduled for September 7, 2005.

4.0 Monitoring Well Sampling

Groundwater samples from select monitoring wells both on and off-site are collected on a quarterly basis and shipped to a designated EPA, CLP lab for analysis. Groundwater sampling activities are performed in accordance with the USEPA Groundwater Sampling SOP #2007 and the USEPA Low-Stress Purging and Sampling SOP provided in the SQAPP. Each quarterly sampling event is coordinated with the local water authority to schedule the event when local water supply drawdown conditions do not impact the measurements. The location and number of monitoring wells as well as analytical parameters will be determined before each event by the USPEA, USACE, and ECC.

The first semi-annual groundwater sampling event of 2005 was conducted by Earth Tech personnel on February 7 through 11, 2005. A total of 25 groundwater monitoring wells were sampled for analysis of the presence of TCL volatiles only. A copy of the full sampling trip report containing the chain of custody forms and FedEx air bills is included in Appendix D.

Laboratory analytical results for this semi-annual groundwater sampling event will be forwarded to ECC under separate cover from the laboratory. The semi-annual groundwater sampling event was performed the week of August 29, 2005. It included sampling 29 monitoring wells, 15 of which had natural attenuation perimeter analyses.

5.0 PLUME PERIMETER MONITORING

Groundwater level measurements are obtained from both on-site and offsite wells once a month in order to evaluate capture zone(s) around the groundwater extraction wells. The event is coordinated with the local water authority so the event can be scheduled when the local water supply drawdown conditions will have minimal impact to the measurements.

Water level measurements were collected on August 4, 2005. The location and number of monitoring wells was determined by the USEPA based on the site Capture Zone Analysis Plan. Groundwater level measurements for August 4, 2005 and historical groundwater level measurements are provided in Appendix H.

6.0 INDOOR AIR QUALITY SAMPLING

Indoor air quality samples from select locations within the treatment building and buildings along the perimeter of the site are collected using summa canisters on a quarterly basis and shipped to a designated EPA, CLP lab for analysis. The location and number of indoor air quality samples to be collected as well as analytical parameters will be determined by the USEPA, USACE and ECC.

The last indoor air quality sampling event was conducted on July 27, 2005 by Earth Tech personnel. This sampling event was conducted to address air quality issues within the groundwater treatment building. The sampling report for this event was included in the July 2005 submittal.

7.0 FUTURE EVENTS PLANNED

The following scheduled events are planned (or have since occurred) during the next three reporting periods:

- Continue to perform GWTS inspection and maintenance as required;
- Continue to perform bi-weekly system air monitoring;
- Collect system influent and effluent samples as directed by USACE/ECC/USEPA;
- Obtain groundwater level measurements as directed by USACE/ECC/USEPA;
- Collect groundwater samples from monitoring wells as directed by USACE/ECC/USEPA;
- Collect indoor air quality samples as directed by USACE/ECC/USEPA;
- HVAC Filter Change Out (Long Island Hebrew Academy Roof)
- Semi-Annual Groundwater Monitoring Well Sampling Event (January/August)

8.0 PROBLEM AREAS AND RECOMMENDED SOLUTIONS (OUTSTANDING ISSUES)

An Action List of ongoing and completed items is provided in Appendix J to track work tasks that have been targeted as issues to be addressed.

Tables

TABLE 1
ESTIMATED PCE RECOVERY RATES
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
250 CFM SVE SYSTEM
September 2003 - August 2005

Date	# of Days	Flow Rate		VOC			
		(cfm)	Avg (cfm)	Concentration (ppm)	Average (ppm)	Discharge Rate (lbs/day)	Total Discharge (lbs)
9/11/2003	1	225	225	4.2	4.20	0.6	0.6
9/25/2003	13	210	217.5	4.7	4.45	0.6	7.8
10/8/2003	13	213	211.5	5	4.85	0.6	8.2
10/23/2003	15	210	210	12.2	8.6	1.1	16.7
11/5/2003	13	215	212.5	6.8	9.5	1.2	16.2
11/22/2003	17	211	213	6	6.4	0.8	14.3
12/4/2003	12	205	208	5.9	5.95	0.8	9.2
12/17/2003	13	200	202.5	4	4.95	0.6	8.0
12/30/2003	13	210	205	4	4.95	0.6	8.1
1/15/2004	16	205	207.5	4.1	4.05	0.5	8.3
2/5/2004	SVE System Manually Shutdown Since 1/16/04						
2/12/2004	8	200	200	3.5	3.5	0.4	3.5
2/26/2004	14	205	202.5	5.3	4.4	0.6	7.7
3/10/2004	12	200	202.5	5	5.15	0.6	7.7
3/25/2004	15	199	199.5	5.1	5.05	0.6	9.3
4/13/2004	19	175	187	6.3	5.7	0.7	12.5
4/29/2004	16	170	172.5	6	6.15	0.7	10.5
Total							148.7

Notes:

VOC readings taken before vapor phase carbon off-gas treatment.
 Deep SVE Wells Closed on 12/10/03 Per OSC's Request

Formula provided by EPA in the "Elements for Effective Management of Operating Pump and Treatment Systems" publication.

$$M_{air} = Q_{air} \times C_{air} \times 0.0283 \frac{m^3}{ft.^3} \times \frac{1440 \text{ min.}}{\text{day}} \times \frac{2.2 \text{ lbs.}}{1000000 \text{ mg}}$$

$$C_{air} (mg/m^3) = \frac{Conc (ppmv)}{1E+06} \times \frac{1 \text{ mole air}}{24.1 \text{ L}} \times \frac{1000 \text{ L}}{m^3} \times \frac{1000 \text{ mg}}{g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)
 Q_{air} = flow rate in air (cfm)
 C_{air} = contaminant concentration (mg/m³)
 MW_x = molecular weight in grams/mole, for PCE is 166

Note: The conversion factor (1 mole air)/(24.1 L) varies with both temperature and pressure. At a pressure of 1 atmosphere and a temperature of 32 degrees Fahrenheit (0 degrees Celsius), the conversion is (1 mole air)/(22.4 L).

TABLE 1 (continued)
ESTIMATED PCE RECOVERY RATES
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
250 CFM SVE SYSTEM
September 2003 - August 2005

Date	# of Days	Flow Rate		VOC			
		(cfm)	Avg (cfm)	Concentration (ppm)	Average (ppm)	Discharge Rate (lbs/day)	Total Discharge (lbs)
5/13/2004	14	150	160	6	6	0.6	8.3
5/30/2004	17	147	148.5	5.9	5.95	0.5	9.3
6/10/2004	11	150	148.5	4.4	5.15	0.5	5.2
6/30/2004	20	145	147.5	5.6	5	0.5	9.1
7/8/2004	8	140	142.5	4.9	5.25	0.5	3.7
7/22/2004	14	139	139.5	4.8	4.85	0.4	5.8
8/9/2004	18	140	139.5	3.1	3.95	0.3	6.1
8/31/2004	1	135	137.5	3	3.05	0.3	0.3
9/8/2004	8	120	127.5	2.9	2.95	0.2	1.9
9/30/2004	22	121	120.5	3.1	3	0.2	4.9
10/4/2004	5	121	121	2.9	3	0.2	1.1
10/20/2004	15	120	120.5	2.8	2.85	0.2	3.2
11/1/2004	12	121	120.5	3	2.9	0.2	2.6
11/17/2004	16	125	123	4.1	3.55	0.3	4.3
11/29/2004	12	120	122.5	4.2	4.15	0.3	3.8
12/7/2004	8	121	120.5	4.2	4.2	0.3	2.5
12/16/2004	9	120	120.5	4.1	4.15	0.3	2.8
1/12/2005	27	120	120	4.5	4.3	0.3	8.6
1/17/2005	5	120	120	4.5	4.5	0.3	1.7
2/9/2005	23	120	120	3.9	4.2	0.3	7.2
2/23/2005	14	120	120	3.5	3.7	0.3	3.8
3/2/2005	7	120	120	3.2	3.35	0.2	1.7
3/16/2005	14	120	120	3.5	3.35	0.2	3.5
4/4/2005	19	120	120	3	3.25	0.2	4.6
4/20/2005	16	120	120	2.9	2.95	0.2	3.5
5/3/2005	13	120	120	3.1	3.00	0.2	2.9
5/19/2005	16	120	120	2.9	3.00	0.2	3.6
						Total	264.5

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

New SVE well EPA-EXT-04 on-line 11/04/2004

VOC readings taken before vapor phase carbon off-gas treatment.

Deep SVE Wells Closed on 12/10/03 Per OSC's Request

Formula provided by EPA in the "Elements for Effective Management of Operating Pump and Treatment Systems" publication.

$$M_{air} = Q_{air} \times C_{air} \times 0.0283 \frac{m^3}{ft^3} \times \frac{1440 \text{ min}}{\text{day}} \times \frac{2.2 \text{ lbs}}{1000000 \text{ mg}}$$

$$C_{air} \text{ (mg/m}^3\text{)} = \frac{\text{Conc (ppmv)}}{1E+06} \times \frac{1 \text{ mole air}}{24.1 \text{ L}} \times \frac{1000 \text{ L}}{m^3} \times \frac{1000 \text{ mg}}{g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = molecular weight in grams/mole, for PCE is 166

Note: The conversion factor (1 mole air)/(24.1 L) varies with both temperature and pressure. At a pressure of 1 atmosphere and a temperature of 32 degrees Fahrenheit (0 degrees Celsius), the conversion is (1 mole air)/(22.4 L).

TABLE 1 (continued)
ESTIMATED PCE RECOVERY RATES
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
250 CFM SVE SYSTEM
September 2003 - August 2005

Date	# of Days	Flow Rate		VOC			
		(cfm)	Avg (cfm)	Concentration (ppm)	Average (ppm)	Discharge Rate (lbs/day)	Total Discharge (lbs)
6/15/2005	26	120	120	1	1.95	0.1	3.8
6/22/2005	7	270	120	8.3	4.65	0.3	2.4
7/25/2005	33	280	275	8.3	8.30	1.4	46.5
8/9/2005	15	290	285	5.0	6.65	1.2	17.6
8/24/2005	15	290	290	6.0	5.50	1.0	14.8
						Total	349.6

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.
New SVE well EPA-EXT-04 on-line 11/04/2004
VOC readings taken before vapor phase carbon off-gas treatment.
Deep SVE Wells Closed on 12/10/03 Per OSC's Request

Formula provided by EPA in the "Elements for Effective Management of Operating Pump and Treatment Systems" publication.

$$M_{air} = Q_{air} \times C_{air} \times 0.0283 \frac{m^3}{ft.^3} \times \frac{1440 \text{ min.}}{\text{day}} \times \frac{2.2 \text{ lbs.}}{1000000 \text{ mg}}$$

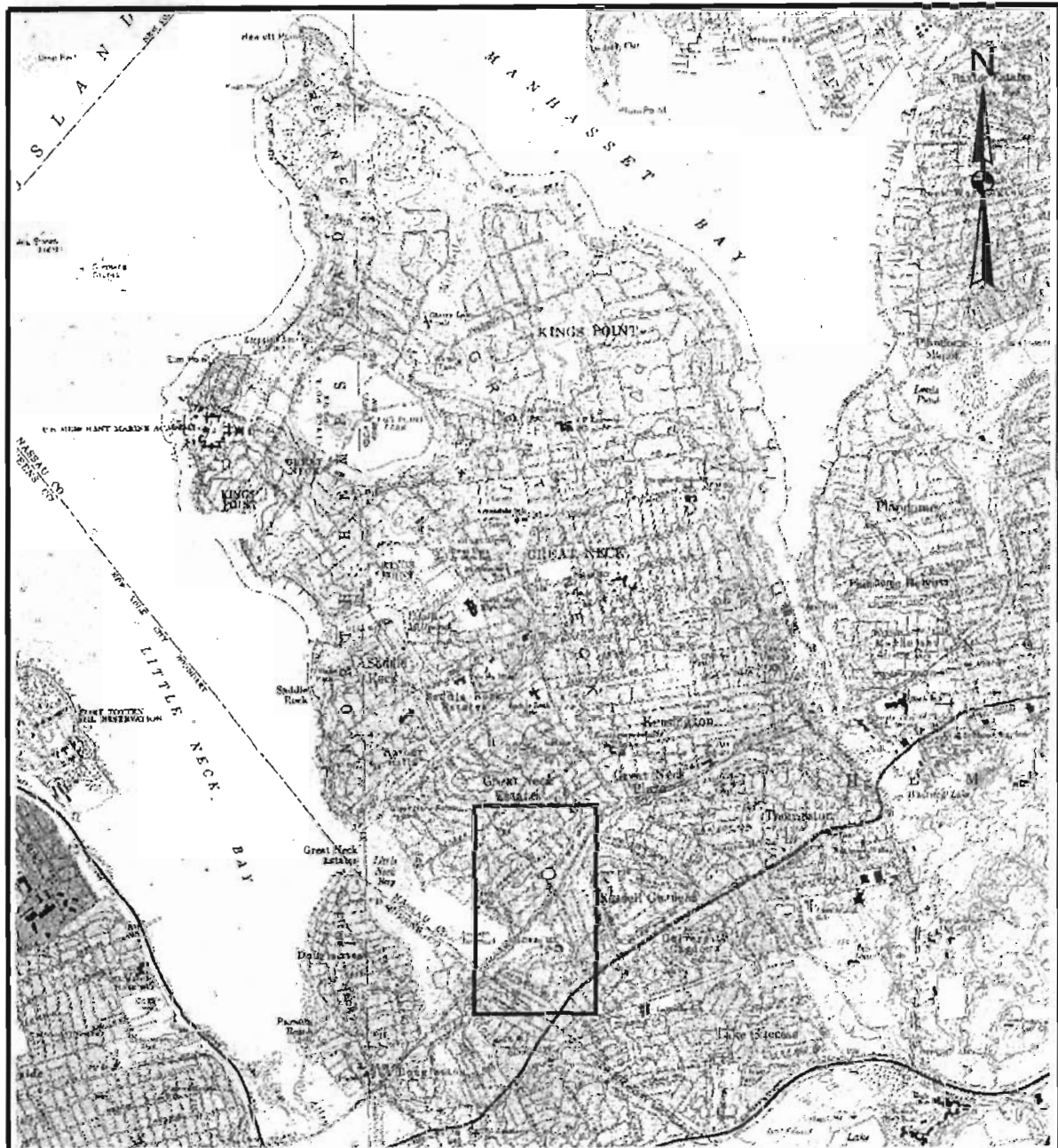
$$C_{air} \text{ (mg/m}^3\text{)} = \frac{\text{Conc (ppmv)}}{1E+06} \times \frac{1 \text{ mole air}}{24.1 \text{ L}} \times \frac{1000 \text{ L}}{m^3} \times \frac{1000 \text{ mg}}{g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)
 Q_{air} = flow rate in air (cfm)
 C_{air} = contaminant concentration (mg/m³)
 MW_x = molecular weight in grams/mole, for PCE is 166

Note: The conversion factor (1 mole air)/(24.1 L) varies with both temperature and pressure. At a pressure of 1 atmosphere and a temperature of 32 degrees Fahrenheit (0 degrees Celsius), the conversion is (1 mole air)/(22.4 L).

Figures

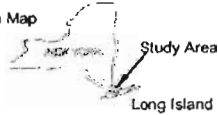


USGS 7.5 Minute Topographic Quadrangle:
Sea Cliff, N.Y., 1968, Photorevised 1979

Legend

- Stanton Cleaners Study Area
- Stanton Cleaners Site

Location Map



2000 0 2000 4000 Feet

EARTH TECH

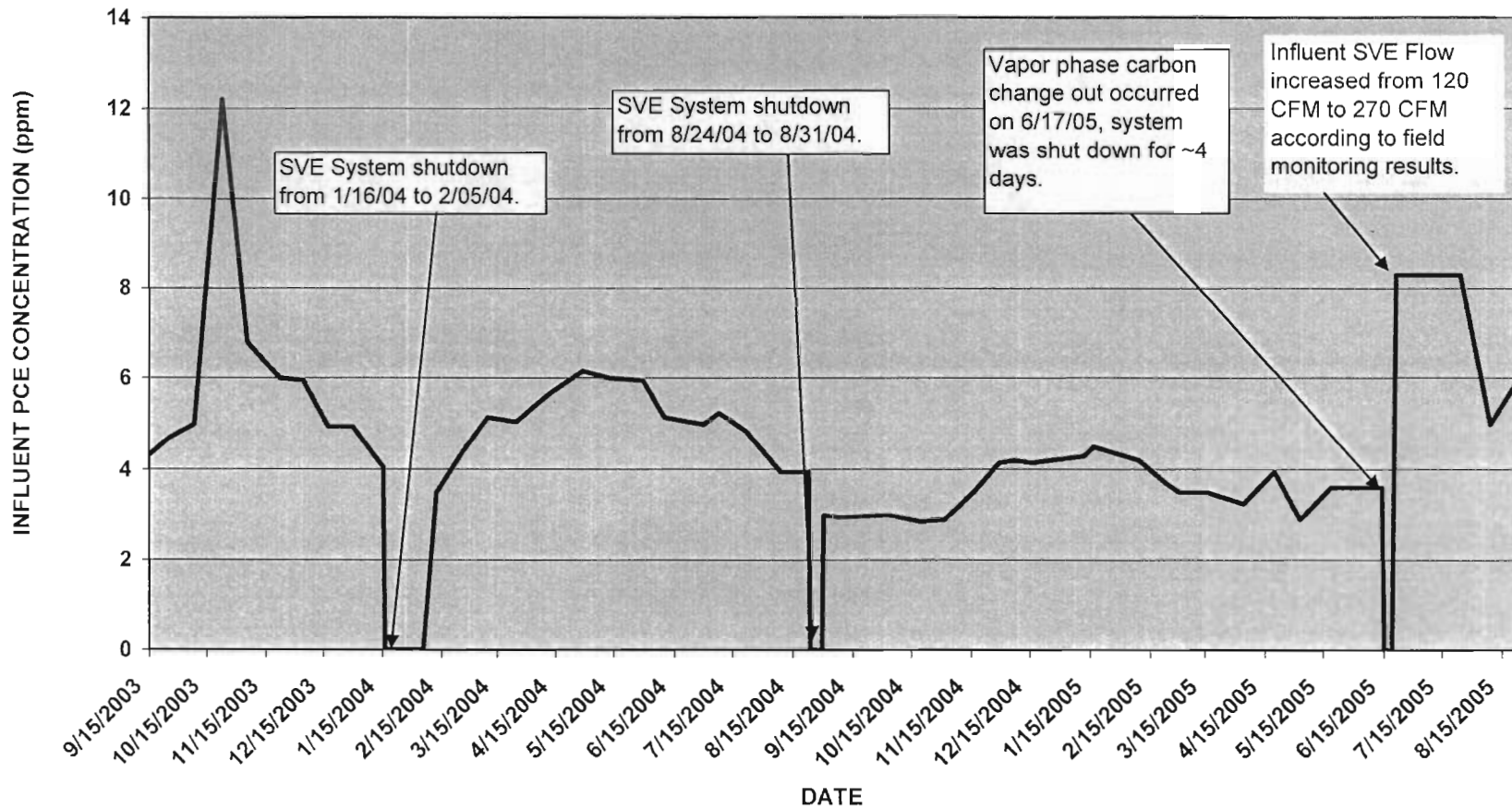


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Figure 1
Site Location Map
Stanton Cleaners Area
Groundwater Contamination Site

Stanton Cleaners Area
Groundwater Contamination Site
Great Neck, Nassau County, New York

Figure 2
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
AVERAGE PCE CONCENTRATIONS (ppm)
250 CFM FINAL SVE SYSTEM
September 2003 - August 2005



Appendix A

Daily Quality Control Reports (DQCRs)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/2/05

Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather			SUNNY				
Temp.			85°				
Wind			0-3 MPH				
Humidity			59.4				

Earth Tech Personnel On-Site: **Rob Derrick, Frank Mahalski**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **Ford Explorer, Veloci-Calc, PID, FID and general hand tools.**

Work Performed (include sampling; list by NAS number if applicable):

Bi-weekly air monitoring of SVE wells, sub slabs (except D), air stripper and the influent and system using PID and VelociCalc. Sub Slab D was blocked by a truck.

Quality Control Activities (including field calibrations): **Calibrated PID**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT	
Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc.	
Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228	
Phone No.: (804) 515-8300	
Date: 8/2/05	Earth Tech Project No.: 70536
Has a phase hazard analysis been performed? Included in the Site Specific Health & Safety Plan	
Comments and deficiencies noted and corrective actions taken: Explained in work performed section.	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken. Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes: Air monitoring not done for Sub-slab D (blocked by vehicle)	
Tomorrow's Expectations: Weekly O&M Inspection	
By: Robert Derrick Title: Environmental Scientist	
Signature: (Quality Control Representative/Manager)	
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature: (Contractor's Authorized Representative)	

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/9/05

Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather			CLOUDY				
Temp.			75°				
Wind			5-10 MPH				
Humidity			69				

Earth Tech Personnel On-Site: **Frank Mahalski, James Kearns**

Subcontractor (include names & responsibilities): N/A

Contract Materials and Equipment on site: **Ford Explorer, Veloci-Calc, PID, FID and general hand tools.**

Work Performed (include sampling; list by NAS number if applicable):

Bi-weekly air monitoring of SVE wells, sub slabs (except D), air stripper and the influent and system using PID and VelociCalc. Sub Slab D was blocked by a truck.

Quality Control Activities (including field calibrations): **Calibrated PID**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

DAILY QUALITY CONTROL REPORT	
Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc.	
Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228	
Phone No.: (804) 515-8300	
Date: 8/9/05	Earth Tech Project No.: 70536
Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): N/A	
Has a phase hazard analysis been performed? Included in the Site Specific Health & Safety Plan	
Comments and deficiencies noted and corrective actions taken: Explained in work performed section.	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken. Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes: Air monitoring not done for Sub-slab D (blocked by vehicle)	
Tomorrow's Expectations: Weekly O&M Inspection	
By: Frank Mahalski Title: Environmental Scientist	
Signature: (Quality Control Representative/Manager)	
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature: (Contractor's Authorized Representative)	

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/16/05

Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather		CLOUDY					
Temp.		70°					
Wind		NONE					
Humidity		60%					

Earth Tech Personnel On-Site: **Rob Derrick, Frank Mahalski**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **Horiba, vials, cooler**

Work Performed (include sampling; list by NAS number if applicable):

Monthly system sampling (influent, effluent, EPA-EXT-4R, EPA-EXT-2R, Trip Blank)

Weekly system monitoring

Quality Control Activities (including field calibrations): **calibrated Horiba**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT	
Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc.	
Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228	
Phone No.: (804) 515-8300	
Date: 8/16/05	Earth Tech Project No.: 70536
Has a phase hazard analysis been performed? Included in the Site Specific Health & Safety Plan	
Comments and deficiencies noted and corrective actions taken: Explained in work performed section.	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes: System was shut down over the weekend probably due to short power outage. It was restarted around 8AM.	
Tomorrow's Expectations:	
Weekly system monitoring	
Bi-weekly air monitoring	
By: Rob Derrick	Title: Environmental Scientist
Signature:	(Quality Control Representative/Manager)
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature:	(Contractor's Authorized Representative)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/24/05

Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather				SUNNY			
Temp.				85°			
Wind				10-15			
Humidity				50%			

Earth Tech Personnel On-Site: **Rob Derrick**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **PID, VelociCalc, pump, F-150**

Work Performed (include sampling; list by NAS number if applicable):

Bi-weekly air monitoring

Weekly system monitoring

Quality Control Activities (including field calibrations): **fresh-air calibrated PID**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT	
Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc.	
Address: 7870 Villa Park Drive, Suite 400	
Richmond, Virginia 23228	
Phone No.: (804) 515-8300	
Date: 8/24/05	Earth Tech Project No.: 70536
Has a phase hazard analysis been performed? Included in the Site Specific Health & Safety Plan	
Comments and deficiencies noted and corrective actions taken: Explained in work performed section.	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes: none	
Tomorrow's Expectations:	
Weekly system monitoring	
Bi-weekly air monitoring	
By: Rob Derrick Title: Environmental Scientist	
Signature: (Quality Control Representative/Manager)	
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature: (Contractor's Authorized Representative)	

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/29/05

Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather		CLOUDY					
Temp.		82°					
Wind		NONE					
Humidity							

Earth Tech Personnel On-Site: **James Kearns, Frank Mahalski, Rob Derrick, Leslee Alexander, Russ Reynolds, Todd Plating**

Subcontractor (include names & responsibilities): N/A

Contract Materials and Equipment on site: **PID, VelociCalc, pump, F-150, Ford Explorer, Mini-vans(2), Water sampling supplies(Grundfos pumps, gloves, bottles, vials etc.)**

Work Performed (include sampling; list by NAS number if applicable):

Weekly O&M ; Water sampling

Quality Control Activities (including field calibrations):

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC

Contract No: 5442-001-001

Contractor: Earth Tech, Inc.

Address: 7870 Villa Park Drive, Suite 400

Richmond, Virginia 23228

Phone No.: (804) 515-8300

Date: 8/29/05

Earth Tech Project No.: 70536

Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**

Comments and deficiencies noted and corrective actions taken: **Explained in work performed section.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Explained in work performed section.

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Special Notes: **none**

Tomorrow's Expectations:

Continuation of water sampling; cleaning equipment

By: Frank Mahalski

Title: Environmental Scientist

Signature:

(Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature:

(Contractor's Authorized Representative)

Appendix B

Groundwater Treatment System Operation & Maintenance Checklists

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION
AND MAINTENANCE 8-02-05

1. A. Is any part of the system leaking? YES ☒ NO
If so, list where. _____
- B. Is there water on the floor? ☒ YES NO
If so, list where.
A little water on the floor near the air stripper.
- C. Are all three (3) floor sump level switches in place? ☒ YES NO
- D. Is there any evidence of water in any of these floor sumps? YES ☒ NO
Note: If water is present, remove with shop vac or paper towels.
2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

- | | | |
|---|-------------------------|-----------------------|
| 1. Recovery Well EPA-EXT-02 flow ¹ | _____ 19 _____ | GPM |
| 2. Recovery Well EPA-EXT-02 valve open | _____ 100 _____ | % |
| 3. Recovery Well EPA-EXT-4R flow | _____ 35 _____ | GPM |
| 4. Recovery Well EPA-EXT-4R valve open | _____ 40 _____ | % |
| 5. Recovery Well pH | _____ 6.8 _____ | pH |
| 6. Recovery Well conductivity | _____ 55 _____ | cond |
| 7. Air Stripper pH | _____ 7.4 _____ | pH |
| 8. Air Stripper temperature | _____ 158 _____ | deg. F |
| 9. Air Stripper air flow | _____ 135 _____ | CFM |
| 10. Pre-vapor carbon pressure | _____ 0 _____ | "wc (inches of water) |
| 11. Post carbon air flow | _____ 1138 _____ | CFM |
| 12. Discharge conductivity | _____ 119 _____ | micromhos |
| 13. Discharge pH | _____ 7.7 _____ | pH |
| 14. Discharge flow | _____ 72 _____ | GPM |
| 15. Discharge total gallons | _____ 100,984,936 _____ | Gal |
| 16. SVE inlet vacuum | _____ 4 _____ | "Hg |

¹ Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.

19. SVE air flow _____ 76 _____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____ 249100 _____ Gal
2. Recovery Well EPA-EXT-4R total flow _____ 5962800 _____ Gal
3. Recovery Well pH _____ 6.80 _____ Ph
4. Recovery Well conductivity _____ 0.57 _____ cond
5. Air Stripper pH _____ 7.44 _____ pH
6. Air Stripper temperature _____ 15.7 _____ deg. F
7. Air Stripper Pump water flow _____ 60 _____ GPM
8. Air Stripper Pump pressure _____ 32 _____ PSI
9. Discharge conductivity _____ 1.13 _____ cond
10. Discharge pH _____ 7.77 _____ pH
11. SVE inlet vacuum (digital readout) _____ 02.2 _____ "Hg
12. SVE inlet vacuum _____ 4.5 _____ "Hg
13. SVE post knockout vacuum _____ -5.8 _____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION
AND MAINTENANCE 8-09-05

1. A. Is any part of the system leaking? YES ☒ NO
If so, list where. _____
- B. Is there water on the floor? ☒ YES NO
If so, list where.
Near aqueous carbon vessels.
- C. Are all three (3) floor sump level switches in place? ☒ YES NO
- D. Is there any evidence of water in any of these floor sumps? YES ☒ NO
Note: If water is present, remove with shop vac or paper towels.
2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

- | | | |
|---|-------------------------|-----------------------|
| 1. Recovery Well EPA-EXT-02 flow ¹ | _____ 19 _____ | GPM |
| 2. Recovery Well EPA-EXT-02 valve open | _____ 100 _____ | % |
| 3. Recovery Well EPA-EXT-4R flow | _____ 37 _____ | GPM |
| 4. Recovery Well EPA-EXT-4R valve open | _____ 40 _____ | % |
| 5. Recovery Well pH | _____ 6.8 _____ | pH |
| 6. Recovery Well conductivity | _____ 56 _____ | cond |
| 7. Air Stripper pH | _____ 7.9 _____ | pH |
| 8. Air Stripper temperature | _____ 158 _____ | deg. F |
| 9. Air Stripper air flow | _____ 367 _____ | CFM |
| 10. Pre-vapor carbon pressure | _____ 0 _____ | "wc (inches of water) |
| 11. Post carbon air flow | _____ 2300 _____ | CFM |
| 12. Discharge conductivity | _____ 121 _____ | micromhos |
| 13. Discharge pH | _____ 8.2 _____ | pH |
| 14. Discharge flow | _____ 66 _____ | GPM |
| 15. Discharge total gallons | _____ 101,587,112 _____ | Gal |
| 16. SVE inlet vacuum | _____ 4 _____ | "Hg |

¹ Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.

19. SVE air flow _____ 82 _____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____ 621,500 _____ Gal
2. Recovery Well EPA-EXT-4R total flow _____ 6,161,100 _____ Gal
3. Recovery Well pH _____ 6.80 _____ Ph
4. Recovery Well conductivity _____ 0.57 _____ cond
5. Air Stripper pH _____ 8.00 _____ pH
6. Air Stripper temperature _____ 15.8 _____ deg. F
7. Air Stripper Pump water flow _____ 550 _____ GPM
8. Air Stripper Pump pressure _____ 33 _____ PSI
9. Discharge conductivity _____ 1.14 _____ cond
10. Discharge pH _____ 8.20 _____ pH
11. SVE inlet vacuum (digital readout) _____ 0.22 _____ "Hg
12. SVE inlet vacuum _____ 4.5 _____ "Hg
13. SVE post knockout vacuum _____ -6 _____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION
AND MAINTENANCE 8-15-05

1. A. Is any part of the system leaking? YES ☒ NO
If so, list where. _____
- B. Is there water on the floor? ☒ YES NO
If so, list where.
Some at base of air stripper.
- C. Are all three (3) floor sump level switches in place? ☒ YES NO
- D. Is there any evidence of water in any of these floor sumps? YES ☒ NO
Note: If water is present, remove with shop vac or paper towels.
2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

- | | | |
|---|-------------------------|-----------------------|
| 1. Recovery Well EPA-EXT-02 flow ¹ | _____ 19 _____ | GPM |
| 2. Recovery Well EPA-EXT-02 valve open | _____ 100 _____ | % |
| 3. Recovery Well EPA-EXT-4R flow | _____ 38 _____ | GPM |
| 4. Recovery Well EPA-EXT-4R valve open | _____ 40 _____ | % |
| 5. Recovery Well pH | _____ 6.8 _____ | pH |
| 6. Recovery Well conductivity | _____ 55 _____ | cond |
| 7. Air Stripper pH | _____ 7.9 _____ | pH |
| 8. Air Stripper temperature | _____ 159 _____ | deg. F |
| 9. Air Stripper air flow | _____ 350 _____ | CFM |
| 10. Pre-vapor carbon pressure | _____ 4 _____ | "wc (inches of water) |
| 11. Post carbon air flow | _____ 2500 _____ | CFM |
| 12. Discharge conductivity | _____ 125 _____ | micromhos |
| 13. Discharge pH | _____ 7.9 _____ | pH |
| 14. Discharge flow | _____ 65 _____ | GPM |
| 15. Discharge total gallons | _____ 102,207,035 _____ | Gal |
| 16. SVE inlet vacuum | _____ 4 _____ | "Hg |

¹ Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.

19. SVE air flow _____ 72 _____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____ 912,700 _____ Gal
2. Recovery Well EPA-EXT-4R total flow _____ 6,316,600 _____ Gal
3. Recovery Well pH _____ 6.18 _____ Ph
4. Recovery Well conductivity _____ 0.57 _____ cond
5. Air Stripper pH _____ 7.97 _____ pH
6. Air Stripper temperature _____ 15.8 _____ deg. C
7. Air Stripper Pump water flow _____ 550 _____ GPM
8. Air Stripper Pump pressure _____ 34 _____ PSI
9. Discharge conductivity _____ 1.14 _____ cond
10. Discharge pH _____ 7.98 _____ pH
11. SVE inlet vacuum (digital readout) _____ 02.2 _____ "Hg
12. SVE inlet vacuum _____ 4.0 _____ "Hg
13. SVE post knockout vacuum _____ 5.0 _____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE 8-24-05

1. A. Is any part of the system leaking? YES ☒ NO
If so, list where. _____
- B. Is there water on the floor? YES ☒ NO
If so, list where. _____
- C. Are all three (3) floor sump level switches in place? ☒ YES NO
- D. Is there any evidence of water in any of these floor sumps? YES ☒ NO
Note: If water is present, remove with shop vac or paper towels.
2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow¹ _____ 37 _____ GPM
2. Recovery Well EPA-EXT-02 valve open _____ 40 _____ %
3. Recovery Well EPA-EXT-4R flow _____ 19 _____ GPM
4. Recovery Well EPA-EXT-4R valve open _____ 100 _____ %
5. Recovery Well pH _____ 6.8 _____ pH
6. Recovery Well conductivity _____ 56 _____ cond
7. Air Stripper pH _____ 8.0 _____ pH
8. Air Stripper temperature _____ 155 _____ deg. F
9. Air Stripper air flow _____ 366 _____ CFM
10. Pre-vapor carbon pressure _____ 0 _____ "wc (inches of water)
11. Post carbon air flow _____ 2447 _____ CFM
12. Discharge conductivity _____ 118 _____ micromhos
13. Discharge pH _____ 8.2 _____ pH
14. Discharge flow _____ 60 _____ GPM
15. Discharge total gallons _____ 102870783 _____ Gal
16. SVE inlet vacuum _____ 4 _____ "Hg
19. SVE air flow _____ 75 _____ CFM

¹ Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _1398400_____ Gal
2. Recovery Well EPA-EXT-4R total flow _____6576500_____ Gal
3. Recovery Well pH _____6.81_____ Ph
4. Recovery Well conductivity _____0.57_____ cond
5. Air Stripper pH _____8.05_____ pH
6. Air Stripper temperature _____15.6_____ deg. F
7. Air Stripper Pump water flow _____60_____ GPM
8. Air Stripper Pump pressure _____30_____ PSI
9. Discharge conductivity _____1.10_____ cond
10. Discharge pH _____8.25_____ pH
11. SVE inlet vacuum (digital readout) _____2.2_____ "Hg
12. SVE inlet vacuum _____4.5_____ "Hg
13. SVE post knockout vacuum _____-6_____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE 8-29-05

1. A. Is any part of the system leaking? YES ☒ NO
If so, list where. _____
- B. Is there water on the floor? YES ☒ NO
If so, list where. _____
- C. Are all three (3) floor sump level switches in place? ☒ YES NO
- D. Is there any evidence of water in any of these floor sumps? YES ☒ NO
Note: If water is present, remove with shop vac or paper towels.

2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow¹ _____ 19 _____ GPM
2. Recovery Well EPA-EXT-02 valve open _____ 100 _____ %
3. Recovery Well EPA-EXT-4R flow _____ 36 _____ GPM
4. Recovery Well EPA-EXT-4R valve open _____ 40 _____ %
5. Recovery Well pH _____ 6.8 _____ pH
6. Recovery Well conductivity _____ 56 _____ cond
7. Air Stripper pH _____ 8.0 _____ pH
8. Air Stripper temperature _____ 159 _____ deg. F
9. Air Stripper air flow _____ 397 _____ CFM
10. Pre-vapor carbon pressure _____ 0 _____ "wc (inches of water)
11. Post carbon air flow _____ 2554 _____ CFM
12. Discharge conductivity _____ 123 _____ micromhos
13. Discharge pH _____ 8.2 _____ pH
14. Discharge flow _____ 60 _____ GPM
15. Discharge total gallons _____ 103300747 _____ Gal
16. SVE inlet vacuum _____ 4 _____ "Hg
19. SVE air flow _____ 86 _____ CFM

¹ Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow 1659500 Gal
2. Recovery Well EPA-EXT-4R total flow 6716700 Gal
3. Recovery Well pH 6.85 Ph
4. Recovery Well conductivity 0.58 cond
5. Air Stripper pH 8.09 pH
6. Air Stripper temperature 15.96 deg. F
7. Air Stripper Pump water flow 550 GPM
8. Air Stripper Pump pressure 35 PSI
9. Discharge conductivity 1.15 cond
10. Discharge pH 8.27 pH
11. SVE inlet vacuum (digital readout) 2.1 "Hg
12. SVE inlet vacuum 5.5 "Hg
13. SVE post knockout vacuum -7 "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

Appendix C

Groundwater Treatment System Downloaded Operational Data

Stanton Cleaners Groundwater Contamination Site - August 2005 - Site Operation Data

	Recovery Well 1	Recovery Well 2	Recovery Well 3	Discharge	Discharge	Influent water	Influent conductivity	Effluent conductivity	Influent water	Air Stripper water	Discharge water	Total gallons discharged	Air Stripper Air Flow	Combined Discharge Air Flow	SVE Air Flow
	Flow (GPM)	Flow (GPM)	Flow (GPM)	Flow (GPM)	Flow (CFM)	Temperature (deg F)			pH	pH	pH				
R12005 0.00	19	0	36	69	1136	156	55	117	6.8	7.4	7.8	100871033.5	157	1136	76
R12005 4.00	19	0	36	68	1095	156	55	117	6.8	7.3	7.8	100885608.5	110	1095	75
R12005 8.00	19	0	37	66	1094	156	54	117	6.8	7.4	7.8	100899393.1	150	1094	87
R12005 12.00	19	0	36	0	961	157	55	119	6.8	7.4	7.8	100914360.5	109	961	82
R12005 16.00	19	0	36	66	991	157	55	121	6.8	7.4	7.8	100928189.1	118	991	85
R12005 20.00	19	0	36	66	1164	156	55	118	6.8	7.4	7.8	100942487.5	152	1164	75
R12005 0.00	19	0	36	65	991	157	54	118	6.8	7.4	7.8	100956542.5	81	991	76
R12005 4.00	19	0	36	70	991	157	55	119	6.8	7.4	7.7	100971082.1	87	991	72
R12005 8.00	19	0	36	70	1062	157	55	119	6.8	7.4	7.7	100986528.4	82	1062	66
R12005 12.00	19	0	36	65	2568	159	55	122	6.8	7.8	7.8	101000786.6	366	2568	75
R12005 16.00	19	0	35	37	1741	158	56	120	6.8	8	8	101015272.8	128	1741	73
R12005 20.00	19	0	37	65	3518	159	56	122	6.8	8	8	101029810.6	342	3518	74
R12005 0.00	19	0	37	66	3155	159	55	121	6.8	8	8	101043866.9	307	3155	69
R12005 4.00	19	0	37	67	2744	158	54	120	6.8	7.9	8	101058367.9	326	2744	75
R12005 8.00	19	0	37	66	2400	158	55	120	6.8	7.9	8	101072590.3	326	2400	76
R12005 12.00	19	0	37	69	2111	157	55	120	6.8	8	8.1	101087034.5	291	2111	70
R12005 16.00	19	0	37	68	3855	158	56	122	6.8	8	8.2	101101180.8	291	3855	74
R12005 20.00	19	0	37	66	2155	158	56	121	6.8	8	8.2	101115600.1	350	2155	69
R12005 0.00	19	0	37	66	3147	158	55	120	6.8	8	8.1	101129758	290	3147	76
R12005 4.00	19	0	37	65	3183	158	55	120	6.8	7.9	8.1	101144270.4	308	3183	86
R12005 8.00	19	0	37	6	3166	158	55	121	6.8	8	8.1	101158701.5	327	3166	71
R12005 12.00	19	0	36	67	3157	159	55	122	6.8	8	8.2	101173224.4	340	3157	69
R12005 16.00	19	0	36	67	2100	158	56	121	6.8	8	8.2	101187427.2	303	2100	78
R12005 20.00	19	0	36	69	2015	159	55	122	6.8	8	8.2	101191511.8	333	2015	62
R12005 0.00	19	0	36	68	2155	159	55	122	6.8	8	8.2	101205925.5	273	2155	73
R12005 4.00	19	0	36	70	3541	159	55	121	6.8	8	8.2	101220355.1	298	3541	84
R12005 8.00	19	0	36	66	2100	159	55	122	6.8	8	8.2	101234787.3	309	2100	71
R12005 12.00	19	0	37	66	1490	159	55	122	6.8	8	8.2	101249155.5	308	1490	70
R12005 16.00	19	0	36	65	2185	159	56	121	6.8	8	8.2	101263519.5	312	2185	81
R12005 20.00	19	0	36	66	2100	158	55	121	6.8	8	8.2	101277946.7	308	2100	82
R12005 0.00	19	0	36	65	3157	158	55	120	6.8	8	8.2	101292211.3	338	3157	69
R12005 4.00	19	0	36	66	3180	157	55	118	6.8	8	8.2	101306451.9	306	3180	78
R12005 8.00	19	0	37	64	2157	157	55	118	6.8	8	8.2	101320691.8	386	2157	70
R12005 12.00	19	0	35	67	3160	157	55	119	6.8	8	8.2	101334921.2	286	3160	75
R12005 16.00	19	0	36	64	2075	158	56	119	6.8	8	8.2	101349149.8	320	2075	76
R12005 20.00	19	0	37	64	1881	157	55	119	6.8	8	8.2	101363396.9	328	1881	80
R12005 0.00	19	0	36	66	2000	158	55	120	6.8	8	8.2	101377646.5	333	2000	70
R12005 4.00	19	0	36	67	2183	158	54	120	6.8	8	8.2	101391896.1	354	2183	76
R12005 8.00	19	0	35	67	2183	158	55	119	6.8	8	8.2	101406251.1	354	2183	77
R12005 12.00	19	0	35	66	2155	157	55	119	6.8	8	8.2	101420511.9	328	2155	77
R12005 16.00	19	0	36	64	2183	157	55	121	6.8	8	8.2	101434761.1	340	2183	75
R12005 20.00	19	0	37	68	2100	157	55	121	6.8	8	8.2	101449009.3	342	2100	81
R12005 0.00	19	0	37	64	2208	158	55	120	6.8	8	8.2	101463259	361	2208	71
R12005 4.00	19	0	36	66	2183	158	55	121	6.8	8	8.2	101477484.8	377	2183	71
R12005 8.00	19	0	37	6	2183	158	55	121	6.8	8	8.2	101491735.1	322	2183	76
R12005 12.00	19	0	37	6	2183	158	55	121	6.8	8	8.2	101505980.1	302	2183	75
R12005 16.00	19	0	37	66	2097	159	56	122	6.8	8	8.2	101520225.7	313	2097	70
R12005 20.00	19	0	36	66	2180	158	55	121	6.8	8	8.2	101534470.8	294	2180	86
R12005 0.00	19	0	38	68	2017	158	55	121	6.8	8	8.2	101548715.3	292	2017	71
R12005 4.00	19	0	39	68	2183	158	55	121	6.8	8	8.2	101562959.8	285	2183	74
R12005 8.00	19	0	39	67	2155	158	55	120	6.8	8	8.2	101577204.1	344	2155	76
R12005 12.00	19	0	35	66	2157	158	56	121	6.8	7.9	8.2	101591448.3	283	2157	76
R12005 16.00	19	0	36	68	2100	157	56	120	6.8	8	8.2	101605692.7	358	2100	70
R12005 20.00	19	0	36	69	2100	157	55	118	6.8	8	8.2	101620042.1	366	2100	69
R12005 0.00	19	0	35	70	1862	157	56	120	6.8	8	8.2	101634286.9	319	1862	70
R12005 4.00	19	0	38	68	2212	158	56	119	6.8	8	8.2	101648531	361	2212	79
R12005 8.00	19	0	36	67	2155	158	55	120	6.8	7.9	8	101662776	354	2155	80
R12005 12.00	19	0	38	65	2256	158	55	120	6.8	7.9	8	101677026.4	293	2256	74
R12005 16.00	19	0	36	66	2101	158	55	121	6.8	8	8.2	101691271.1	351	2101	70
R12005 20.00	19	0	37	64	2142	158	55	121	6.8	8	8.2	101705516.2	336	2142	76
R12005 0.00	19	0	37	64	2158	158	56	121	6.8	8	8.2	101719761.9	302	2158	70
R12005 4.00	19	0	36	66	2447	158	56	121	6.8	8	8.2	101734007.3	359	2447	72
R12005 8.00	19	0	37	66	2453	158	55	121	6.8	7.9	8	101748252.8	428	2453	78
R12005 12.00	19	0	37	66	2196	159	55	121	6.8	7.9	8	101762497.3	412	2196	75
R12005 16.00	19	0	37	65	2511	159	56	122	6.8	8	8.2	101776742.4	321	2511	71
R12005 20.00	19	0	36	64	2017	159	56	121	6.8	8	8.2	101790987.7	300	2017	76
R12005 0.00	19	0	37	64	2601	159	55	123	6.8	8	8.2	101805233.9	307	2601	74
R12005 4.00	19	0	36	64	2306	159	56	123	6.8	7.9	8	101819479.9	374	2306	68
R12005 8.00	19	0	37	64	2311	158	56	121	6.8	7.9	8	101833726.1	408	2311	76
R12005 12.00	19	0	36	6	2400	158	56	120	6.8	7.9	8	101847971.5	403	2400	71
R12005 16.00	19	0	36	68	2347	159	56	123	6.8	8	8.2	101862216.3	434	2347	70
R12005 20.00	19	0	36	64	2254	158	56	124	6.8	8	8.2	101876461.6	467	2254	74
R12005 0.00	19	0	35	64	2445	160	56	123	6.8	8	8.2	101890706.8	347	2445	77
R12005 4.00	19	0	35	64	2386	160	55	123	6.8	8	8.2	101904952.2	366	2386	75
R12005 8.00	19	0	36	6	2445	160	55	124	6.8	8	8.2	101919197.6	407	2445	77
R12005 12.00	19	0	37	64	2183	160	56	123	6.8	8	8.2	101933442.8	478	2183	86
R12005 16.00	19	0	36	64	2142	160	56	121	6.8	8	8.2	101947687.6	401	2142	75
R12005 20.00	19	0	36	64	2147	160	56	121	6.8	8	8.2	101961932.7	406	2147	80

[illegible]

Appendix D
Sampling Trip Reports

SAMPLING TRIP REPORT

Site Name: STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE

CERCLIS ID Number: NYD047650197

Sampling Dates: August 15, 2005

CLP Case Number: N/A

Site Location: 110 Cutter Mill Road, Great Neck, New York, 11021

Sample Descriptions: Groundwater Treatment System Influent / Effluent.

Laboratories Receiving Samples (Table 1):

Case Number	Sample Type	Name and Address of Laboratory
N/A	TCL-VOAs OLC03.2	USEPA Region II DESA LAB Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837

Sample Dispatch Data (Table 2):

On August 15, 2005, six (6) groundwater samples, including one (1) duplicate sample and one (1) trip blank were shipped to the U.S. Environmental Protection Agency Region II Lab (USEPA) for TCL-VOAs analysis.

FedEx Air Bill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
851611551479	1	6 Aqueous Samples including 1 duplicate sample, and 1 Trip Blank for TCL-VOAs	8/15/05 @ 11:00 TO: USEPA

Sampling Personnel (Table 3): Sample Numbers and Collection Points (Table 4):

Name	Organization	Site Duties
Tom Williams	Earth Tech, Inc.	Earth Tech Project Manager
James Kearns	Earth Tech, Inc.	Earth Tech Task Manager/ Health and Safety
Robert Derrick	Earth Tech, Inc.	Sampler
Frank Mahalski	Earth Tech, Inc.	Sampling Assistant

Laboratory	Analyses	Sample Type	CLP Sample #	Sample Collection Point(SCP)
------------	----------	-------------	--------------	------------------------------

USEPA Region II DESA LAB Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837	TCL-VOAs	Aqueous Groundwater	EPA-EXT-02	EPA-EXT-02
			EPA-EXT-4R	EPA-EXT-4R
			INFLUENT	Influent
			EFFLUENT	Effluent
			TB	Trip Blank
			EFFLUENT-A	Duplicate of Effluent

Additional Comments:

All groundwater samples were collected after a five gallon purge from the sample ports located within the treatment system. Volumes were collected from the influent (INFLUENT), effluent (EFFLUENT), extraction wells EPA-EXT-02 and EPA-EXT-4R, of the treatment system for the following analysis: Target Compound List (TCL) Volatile Organic Compounds. In addition, one duplicate sample (EFFLUENT-A) was collected from the effluent of the groundwater treatment process and was a duplicate sample of sample EFFLUENT. One trip blank (TB) was also included in the shipment. Copies of the Chain of Custody forms and a copy of the FedEx air bill are included in Appendix A and B, respectively.

Earth Tech personnel also collected real time water quality parameters from the raw water for all the sampling locations (Influent, Effluent, EPA-EXT-02 and EPA-EXT-4R) and the results are included in Appendix C.

Appendix A
Chain of Custody
(August 15, 2005 System Sampling Event)

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:

DAS No:

R

Region: 2	Date Shipped: 8/15/2005	Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 <i>[Signature]</i> 8-15-05/11:00AM 2 3 4	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Alrbill: 851611551479		
CERCLIS ID: NYD047650197	Shipped to: USEPA Region II DESA Lab		
Spill ID: 02LH	Building 209, MS-230		
Site Name/State: Stanton Cleaners Area Groundwater Contai	2890 Woodbridge Avenue		
Project Leader: James Kearns	Edison NJ 08837		
Action: Operations and Maintenance	(732) 906-6886		
Sampling Co: Earth Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
EFFLUENT-A	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Effluent-A	S: 8/15/2005 8:56		Field Duplicate
EPA-EXT-02	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	EPA-EXT-02	S: 8/15/2005 8:24		--
EPA-EXT-4R	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	EPA-EXT-4R	S: 8/15/2005 8:26		--
INFLUENT	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Influent	S: 8/15/2005 8:29		--
TB	Field QC/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Trip Blank	S: 8/15/2005 8:25		Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: EFFLUENT-A, TB	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: **2-411563104-080805-0001**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:
DAS No:
SDG No:

L

Date Shipped: 8/15/2005 Carrier Name: FedEx Airbill: 851611551479 Shipped to: USEPA Region II DESA Lab Building 209, MS-230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	8-15-05 11:00 AM			
	2				
	3				
4					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
EFFLUENT-A	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Effluent-A	S: 8/15/2005	8:56	
EPA-EXT-02	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	EPA-EXT-02	S: 8/15/2005	8:24	
EPA-EXT-4R	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	EPA-EXT-4R	S: 8/15/2005	8:26	
INFLUENT	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Influent	S: 8/15/2005	8:29	
TB	Field QC/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Trip Blank	S: 8/15/2005	8:25	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: EFFLUENT-A, TB	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ____	Shipment Iced? ____
VOA = CLP TCL Volatiles				

TR Number: 2-411563104-080805-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Hailey Dr., Reston, VA, 20191-3400 Phone 703/264-9348 Fax 703/264-9222

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:

DAS No:

R

Region: 2	Date Shipped: 8/15/2005	Chain of Custody Record	Sampler Signature: <i>Robert Derrick</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 851611551479	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYD047650197	Shipped to: USEPA Region II DESA Lab	1 <i>Robert Derrick</i> 8-15-05/11:00 AM	
Spill ID: 02LH	Building 209, MS-230	2	
Site Name/State: Stanton Cleaners Area Groundwater Contam	2890 Woodbridge Avenue	3	
Project Leader: James Kearns	Edison NJ 08837	4	
Action: Operations and Maintenance	(732) 906-6886		
Sampling Co: Earth Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
EFFLUENT	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Effluent	S: 8/15/2005	8:58		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
VOA = CLP TCL Volatiles			

TR Number: 2-411563104-080905-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:
DAS No:
SDG No:

L

Date Shipped: 8/15/2005 Carrier Name: FedEx Airbill: 851611551479 Shipped to: USEPA Region II DESA Lab Building 209, MS-230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
	Relinquished By (Date / Time)		Received By (Date / Time)	
	1 <i>[Signature]</i>	8-15-05 / 11:00 AM		
	2			
	3			
4				

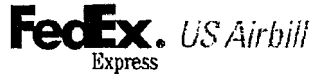
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
EFFLUENT	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Effluent	S: 8/15/2005 8.58		

Shipment for Case Complete? ☐	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Iced? ☐

TR Number: 2-411563104-080905-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Haller Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

Appendix B
FedEx Air Bill
(August 15, 2005 System Sampling Event)



FedEx Tracking Number 851611551479

Form 10 No.

0200

1 From Please print and print hard
Date 8-15-05 Sender's FedEx Account Number 2374-4259-8
Sender's Name James Kearny Phone (804) 283-5981
Company Earth Tech, Inc.
Address 110 Cutler Mill Rd.
City Great Neck State NY ZIP 11021
2 Your Internal Billing Reference 5441001
3 To
Recipient's Name Sample Custodian Phone (732) 900-6886
Company USEPA Region II DEGA Lab
Recipient's Address Building 209 MS 230
We ship to delivery to P.O. boxes or P.O. ZIP codes.
Address 2890 Woodbridge Avenue
In request a package be held at a specific FedEx location, print FedEx address here.
City Edison State NJ ZIP 08837

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.
Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

4a Express Package Service
☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon ☐ FedEx First Overnight Earliest next business morning delivery to select locations*
☐ FedEx 2Day Second business day* ☐ FedEx Express Saver Third business day*
* FedEx envelope rate not available. Minimum charge. One-pound rate.
4b Express Freight Service Packages over 150 lbs. ** To most locations
☐ FedEx 1Day Freight* ☐ FedEx 2Day Freight Second business day* ☐ FedEx 3Day Freight Third business day*
* Call for Confirmation.
5 Packaging * Declared value limit \$500
☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak ☐ FedEx Box ☐ FedEx Tube ☒ Other
6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes. ☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
☒ No ☐ Yes See box must be checked. ☐ Yes Shopper's Declaration Not Required ☐ Dry Ice Dry Ice 5, UN 1845 ☐ Cargo Aircraft Only
Dangerous goods including Dry Ice cannot be shipped in FedEx packaging.
7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date
Total Packages 1 Total Weight 7.8 Total Declared Value* \$.00
* Our liability is limited to \$100 unless you declare a higher value. See back for details.
8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Print Date 1/03/05 11:02:05 AM 2025 1025 1025 1025 1025 1025 1025 1025 1025 1025

467

Appendix C
Water Quality Parameters
(August 15, 2005 System Sampling Event)

STANTON CLEANERS SITE LTRA

Groundwater Pump and Treatment System

Water Quality Parameters Log

Date: 8/15/05

Project # 70536

	pH	COND.	TURB.	DO	TEMP.	SALINITY
EPA-EXT-02	6.35	0.735	107	11.7	16.6	0
EPA-EXT-4R	6.77	0.527	69	11.8	15.7	0
Discharge	7.07	0.597	0	10.5	18.5	0

Total Gallons pumped: 102070035 gallons

Flow rate: 65 gpm

Equipment Calibrated by: Rob Derrick

Comments:

Water samples collected

by: Rob Derrick

Water monitoring performed by: Robert Derrick/ Frank Mahalski

TEMP. - Temperature measured in degrees Celsius.

COND. - Conductivity measured in milliSiemens per centimeter (mS/cm).

TURB. - Turbidity measure in nephelometric turbidity units (NTU).

DO - Dissolved Oxygen measured in milligrams per liter (mg/L).

SALINITY - Salinity in percentage.

SAMPLING TRIP REPORT

Site Name: Stanton Cleaners Area Groundwater Contamination Site

CERCLIS ID Number:

Sampling Dates: August 29 – September 1, 2005

CLP Case Number: 34578

Site Location: 110 Cutter Mill Road, Great Neck, NY 11021

Sample Descriptions: Semi-annual Monitoring Well Sampling Event

Laboratories Receiving Samples:

Case Number	Sample Type	Name and Address of Laboratory
33578	CLP TCL-VOAs	A4 Scientific (A4) 1544 Sawdust Road Suite 505 The Woodlands TX 77380 Tel (281)-292-5277
34578	Methane, Ethane, Ethene	Analytical Management Laboratory, Inc.(AML) 5130 South Keeler Street Olathe, KS 66062-2716 Tel (913) 829-0101
34578	Total Organic Carbon (TOC), Alkalinity, Sulfide, Nitrate, Chloride, and Sulfate	USEPA Region II DESA Lab (DESA) Building 209, MS-230 2890 Woodbridge Avenue Edison, NJ 08837 Tel (732) 906-6886

Sample Dispatch Data:

On August 29, 2005, three monitoring well samples (EPA-MW-11D, EPA-MW-32, and EPA-MW-33) were shipped to A4, AML, and DESA for analysis of TCL Volatiles, Methane/Ethane/Ethene, TOC, Alkalinity, Nitrate, Sulfate, Sulfide, and Chloride.

Extra volume was collected from EPA-MW-11D for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis and one Field Duplicate sample (EPA-MW-11D-A) was collected from monitoring well EPA-MW-11D. One Field Blank (FB-1), one Equipment Rinsate (Equipment Blank-1) and one Trip Blank (TB1) were included in the August 29, 2005 shipment. Equipment Blanks, Field Blanks, Trip Blanks, and Duplicate samples were submitted for VOA analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
851113789558	1	Three monitoring well samples for the following analyses; Alkalinity; Sulfide; TOC; Chloride; Nitrate; and Sulfate.	8/29/05 @ 18:00 TO: DESA
846894693893	1	Three monitoring well samples for the following analyses: Methane; Ethane; and Ethene.	8/29/05 @ 18:00 TO: AML
853166420760	1	Three monitoring well samples, one Field Duplicate, one Field Blank, one Equipment Blank, one Trip Blank, and one additional volume for MS/MSD for TCL VOA analysis.	8/29/05 @ 18:00 TO: A4

On August 30, 2005, six monitoring well samples (EPA-MW-31, CL-4D, CL-4S, CL-1D, CL-3, and EPA-MW-29) were shipped to A4, AML, and DESA for analysis of TCL Volatiles, Methane/Ethane/Ethene, TOC, Alkalinity, Nitrate, Sulfate, Sulfide, and Chloride. In addition, three monitoring well samples (ST-MW-18, ST-MW-11 and CL-1S) were shipped to A4 for analysis of TCL volatiles only.

One Field Blank (FB-2), one Equipment Rinsate (Equipment Blank-2) and one Trip Blank (TB-2) were included in the August 30, 2005 shipment. Equipment Blanks, Field Blanks, and Trip Blanks were submitted to A4 for VOA analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
853166420818	1	Six monitoring well samples for the following analyses; Alkalinity; Sulfide; TOC; Chloride; Nitrate; and Sulfate.	8/30/05 @ 18:00 TO: DESA
846894693908	1	Six monitoring well samples for the following analyses: Methane; Ethane; and Ethene.	8/30/05 @ 17:45 TO: AML
853166420760	1	Nine monitoring well samples, one Field Blank, one Equipment Blank, and one Trip Blank for TCL VOA analysis.	8/30/05 @ 18:00 TO: A4

On August 31, 2005, seven monitoring well samples (ST-MW-12, ST-MW-17, ST-MW-20, ST-MW-19, EPA-MW-9A, EPA-MW-27, EPA-MW-26) were shipped to AML, and DESA for analysis of TCL Volatiles, Methane/Ethane/Ethene, TOC, Alkalinity, Nitrate, Sulfate, Sulfide, and Chloride. In addition, two monitoring well samples (ST-MW-06 and ST-MW-14) were shipped to A4 for analysis of TCL volatiles only.

Extra volume was collected from EPA-MW-27 for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis. One Field Duplicate sample (EPA-MW-27-A) was collected from monitoring well EPA-MW-27. One Field Blank (FB-3), one Equipment Rinsate (Equipment Blank-3) and one Trip Blank (TB3) were included in the August 31, 2005 shipment. Equipment Blanks, Field Blanks, Trip Blanks, and duplicate samples were submitted for VOA analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
853166420829	1	Seven monitoring well samples for the following analyses; Alkalinity; Sulfide; TOC; Chloride; Nitrate; and Sulfate.	8/31/05 @ 18:00 TO: DESA
846894693919	1	Seven monitoring well samples for the following analyses: Methane; Ethane; and Ethene.	8/31/05 @ 18:00 TO: AML
853166420781	1	Nine monitoring well samples, one Field Duplicate, one Field Blank, one Equipment Blank, one Trip Blank, and one additional volume for MS/MSD for TCL VOA analysis.	8/31/05 @ 18:00 TO: A4

On September 1, 2005, eight monitoring well samples (EPA-MW-25, ST-MW-16, EPA-MW-22, EPA-MW-23, ST-MW-15, ST-MW-13, EPA-MW-21, and ST-MW-02) were shipped to A4 for analysis of TCL volatiles only.

Extra volume was collected from EPA-MW-23 for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis. One Field Duplicate sample (EPA-MW-23-A) was collected from monitoring well EPA-MW-23. One Field Blank (FB-4), one Equipment Rinsate (Equipment Blank-4) and one Trip Blank (TB4) were included in the September 1, 2005 shipment. Equipment Blanks, Field Blanks, Trip Blanks, and duplicate samples were submitted for VOA analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
853166420792	1	Eight monitoring well samples, one Field Duplicate, one Field Blank, one Equipment Blank, one Trip Blank, and one additional volume for MS/MSD for TCL VOA analysis.	9/1/05 @ 18:00 TO: A4

Sampling Personnel:

Name	Organization	Site Duties
Tom Williams	Earth Tech, Inc	Response Manager
Dave Miller	ECC	Project Manager
Leslee Alexander	Earth Tech, Inc.	Health and Safety/Sampling Team Leader /Sample Management
James Kearns	Earth Tech, Inc.	Task Manager
Frank Mahalski	NEIE	Forms II Lite/Sampling Assistant
Elio Romero	ECC	Sampler
Russ Reynolds	Earth Tech, Inc.	Sampler
Todd Plating	Earth Tech, Inc.	Sampler
Robert Derrick	Earth Tech, Inc.	Sampling Assistant

Sample Numbers and Collection Points:

Attachment A includes a table with a list of all the groundwater monitoring well collection points and their assigned CLP sample numbers.

Additional Comments:

During the groundwater sampling event that occurred from August 29 through September 1, 2005, a total of twenty-nine (29) groundwater monitoring wells were sampled. In addition, extra volumes were collected for three duplicate samples (EPA-MW-11D-A, EPA-MW-27-A, and EPA-MW-23-A) and extra volumes for three MS/MSD analysis from monitoring wells EPA-MW-11D, EPA-MW-27, and EPA-MW-23 were collected and shipped to A4 laboratory for TCL VOA analysis. A total of four Trip Blanks, four Equipment Blanks, and four Field Blanks were also collected and shipped to A4 laboratory for TCL VOA analysis.

Please note that monitoring wells EPA-MW-30 and ST-MW-09 were not sampled as they were observed to have been asphalted over and grouted up, respectively.

The groundwater sampling/sample management procedures were conducted in accordance with the USEPA Region II Groundwater Sampling Low Flow (Minimal Drawdown) Groundwater Sampling Procedures (dated March 16, 1998), Contract Laboratory Program Guidance for Field Samplers (dated April 2003), Groundwater Sampling Guidelines for Superfund and RCRA Project Managers from the USEPA Office of Solid Waste and Emergency Response (dated May 2002), the USEPA Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater (dated September 1998), and the site Operations and Maintenance Manual (dated April 2004). Copies of the Chains of Custody Records are included in Attachment B. FedEx Airbills are included in Attachment C. Copies of Daily Tailgate Safety Briefing Sign-In Logs are included as Attachment D. A Water Level Data Summary sheet is included as Attachment E.

Attachment A

August 29 – September 1, 2005 Sampling Event

Stanton Cleaners Area Groundwater Contamination Site

**CLP Sample Numbers and Collection Points for Monitoring Well sampling Event
(August 2005)**

MONITORING WELL ID	CLP SAMPLE #	DATE COLLECTED	COMMENTS
EPA-MW-33	B36W4	8/29/05	
EPA-MW-11D	B36X2	8/29/05	MS/MSD
EPA-MW-11D-A	B3710	8/29/05	FIELD DUPLICATE
EPA-MW-32	B36W3	8/29/05	
EPA-MW-31	B36W2	8/30/05	
CL-4D	B36W6	8/30/05	
CL-4S	B36W5	8/30/05	
ST-MW-18	B36Z0	8/30/05	
CL-1D	B36W9	8/30/05	
CL-1S	B36X8	8/30/05	
EPA-MW-29	B36X0	8/30/05	
CL-3	B36W7	8/30/05	
ST-MW-11	B36Y4	8/30/05	
ST-MW-12	B36X6	8/31/05	
ST-MW-17	B36X5	8/31/05	
ST-MW-20	B36X1	8/31/05	
ST-MW-19	B36Z1	8/31/05	
EPA-MW-9A	B36X7	8/31/05	
ST-MW-06	B36Y3	8/31/05	
ST-MW-14	B36Y6	8/31/05	
EPA-MW-27	B36X3	8/31/05	MS/MSD
EPA-MW-27-A	B3709	8/31/05	FIELD DUPLICATE
EPA-MW-26	B36X4	8/31/05	
EPA-MW-25	B3712	9/01/05	
ST-MW-16	B36Y8	9/01/05	
EPA-MW-22	B3711	9/01/05	
EPA-MW-23	B36Y0	9/01/05	MS/MSD
EPA-MW-23-A	B3708	9/01/05	FIELD DUPLICATE
ST-MW-15	B36Y7	9/01/05	
ST-MW-13	B36Y5	9/01/05	
EPA-MW-21	B36X9	9/01/05	
ST-MW-02	B36Y2	9/01/05	
Equipment Blanks, Field Blanks, and Trip Blanks			
TB-1	B36Z3	8/29/05	TRIP BLANK
EB-1	B3703	8/29/05	EQUIPMENT BLANK
FB-1	B36Z8	8/29/05	FIELD BLANK
TB-2	B36Z4	8/30/05	TRIP BLANK
FB-2	B36Z9	8/30/05	FIELD BLANK
EB-2	B3704	8/30/05	EQUIPMENT BLANK
TB-3	B36Z5	8/31/05	TRIP BLANK
EB-3	B3705	8/31/05	EQUIPMENT BLANK
FB-3	B3700	8/31/05	FIELD BLANK
TB-4	B36Z6	9/01/05	TRIP BLANK
FB-4	B3701	9/01/05	FIELD BLANK
EB-4	B3706	9/01/05	EQUIPMENT BLANK

Attachment B

August 29 – September 1, 2005 Sampling Event



USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: 34570

Client No:

R

Region: 2	Date Shipped: 8/29/2005	Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 <i>James H...</i> 8/29/05 18:00 2 3 4	Sampler Signature: <i>James H...</i>
Project Code:	Carrier Name: FedEx		Received By (Date / Time)
Account Code:	Airbill: 651113789558		
CERCLIS ID: NYD047650197	Shipped to: USEPA Region II DESA Lab		
Spill ID: 02LH	Building 209, MS-230		
Site Name/State: Stanton Cleaners Area Groundwater Contam	2890 Woodbridge Avenue		
Project Leader: Leslee Alexander	Edison NJ 08837		
Action: Operations and Maintenance	(732) 905-6886		
Sampling Co: Earth Tech			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Notes	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
EPA-MW-11D	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Zinc Acetate Sodium Hydroxide) <i>see note</i>	EPA-MW-11D	S: 8/29/2005 14:00	Spike
EPA-MW-32	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	<i>see note</i>	EPA-MW-32	S: 8/28/2005 16:15	--
EPA-MW-33	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	<i>see note</i>	EPA-MW-33	S: 8/28/2005 14:20	--

The following are the requested analyses, # of bottles for analyses and preservative.

Analysis	# of Bottles	Preservative
Alkalinity	1	unpreserved
Nitrate	1	unpreserved
Sulfide	2	Zinc acetate or Sodium Hydroxide
Sulfate/Chloride	1	unpreserved
TOC	1	Sulfuric acid

Shipment for Case Complete? N	Sample(s) to be used for Laboratory QC: <i>EPA MW-11D 8/29/05</i>	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysts Key: Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4/Cl = Sulfate/Chloride, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-411563104-082905-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

F2V51.045 Page 1 of 1

EPA USEPA Contract Laboratory Program Generic Chain of Custody

Date Shipped: 8/20/2005 Carrier Name: FedEx Altbill: 851113780568 Shipped to: USEPA Region II DESA Building 209, MS-230 2800 Woodbridge Avenue Edison NJ 08837 (732) 906-6805		Chain of Custody Record Retained By: <u>Jan Kim</u> (Date / Time) <u>8/17/05 18:00</u> 1 2 3 4		Sampler Signature: <u>Jan Kim</u> (Date / Time) <u>8/20/2005 14:00</u> Received By: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____		Reference Case 34578 Client No: _____ SDG No: L
--	--	--	--	---	--	---

SAMPLE NO.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG NO/ PRESERVATIVE/ Bottle	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
EPA-MW-11D	Monitor Well/ Leslie Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/GI (14), TOC (14)	USEPA-MW-11D (see note)	EPA-MW-11D	8/20/2005 14:00	
EPA-MW-32	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/GI (14), TOC (14)	USEPA-MW-32 (see note)	EPA-MW-32	8/20/2005 16:15	
EPA-MW-33	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/GI (14), TOC (14)	USEPA-MW-33 (see note)	EPA-MW-33	8/20/2005 14:20	

The following are the requested analyses, # of bottles for analyses, and preservative.

Analysis	# of bottles	Preservative
Alkalinity	1	Unpreserved
Nitrate	1	Unpreserved
Sulfide	2	Zinc acetate or sodium hydroxide
Sulfate/chloride	1	Unpreserved
TOC	1	Sulfuric Acid

Shipment for Case Complete 7N Sample(s) to be used for laboratory QC: <u>See note 11D - 1st trip only</u>	Additional Sampler Signatures: _____ Chain of Custody Seal Number: _____
Analysis Key: Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4/GI = Sulfate/Chloride, TOC = Total Organic Carbon	Cooler Temperature Upon Receipt: _____ Custody Seal Intact? ☐ Shipment Load? ☐

TR Number: 2-411563104-082905-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
 Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-2400 Phone: 703-295-1111



USEPA Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record

Case No: 34578
DAS No:
SUC No:

Date Shipped: 8/29/2005	Carrier Name: FedEx	Ship to: A4 Scientific 1544 Sawdust Head Suite 508 The Woodlands TX 77380 (281) 292-5277
Requisitioned By: (Date / Time)	Received By: (Date / Time)	Sampler Signature
Chain of Custody Record		
1	Unit Price:	For Lab Use Only
2	Transfer To:	Unit Price:
3	Lab Contract No:	Lab Contract No:
4	Unit Price:	Unit Price:

ORGANIC SAMPLE NO.	MATRIX	CONC.	ANALYSIS/ TUNAROUND	PRESERVATIVE/ Bottle	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE NO.	FOR LAB USE ONLY Sample Condition Or Receipt
B36W3	Monitor Well	L/G	VOA (14)	(HCL) (3)	EPA-MW-32	S: 8/29/2005 16:15		
B36W4	Monitor Well	L/G	VOA (14)	(HCL) (3)	EPA-MW-33	S: 8/29/2005 14:20		
B36X2	Monitor Well	L/G	VOA (14)	(HCL) (6)	EPA-MW-11D	S: 8/29/2005 14:00		
B36Z3	Field OC	L/G	VOA (14)	(HCL) (3)	TB-1	S: 8/29/2005 11:00		
B36Z6	Field OC	L/G	VOA (14)	(HCL) (3)	FB-1	S: 8/29/2005 16:15		
B3703	Field OC	L/G	VOA (14)	(HCL) (3)	Equipment Blank-1	S: 8/29/2005 13:00		
B3710	Monitor Well	L/G	VOA (14)	(HCL) (3)	EPA-MW-11DA	S: 8/29/2005 14:00		

Station for Case Completion	Samples to be used for Laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number
1305X2, B3710				
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal intact?	Shipment Level?

R Number: 2-411563104-082906-0002

and Copy for: Sample Management Office, 2000 Edmund Haller Dr., Reston, VA 20191-7000 Phone 703/264-9348 Fax 703/264-9222

EPA USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 34578

Client No:

R

Region: 2	Date Shipped: 8/30/2005	Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 <u>James Dean</u> 9/30/05 18:00 2 3 4	Sampler Signature: <u>James Dean (James Dean)</u>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 853166420818		
CERCLIS ID: NYD047850107	Shipped to: USEPA REGION II DESA LAB		
Split ID: 02LM	Building 209, MS-230 2890 Woodbridge Ave. Edison NJ 08837 (732) 906-6550		
Site Name/State: Stanton Cleaners Area Groundwater Contam			
Project Leader: Leslee Alexander			
Action: Operations and Maintenance			
Sampling Co: Earth Tech			

SAMPLE No.	MATRIX/SAMPLER	CONC/TYPE	ANALYSIS/TURNAROUND	TAG No./PRESERVATIVE/BOTTLE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
CL-1D	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Zinc Acetate) Sodium Hydroxide (5) 100 mL	CL-1D	S: 8/30/2005 9:10	--
CL-3	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Zinc Acetate) Sodium Hydroxide (5) 100 mL	CL-3	S: 8/30/2005 13:25	--
CL-4D	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Ice Only) (5) 500 mL	CL-4D	S: 8/30/2005 11:25	--
CL-4S	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Ice Only) (5) 500 mL	CL-4S	S: 8/30/2005 12:15	--
EPA-MW-20	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Ice Only) (5) 500 mL	EPA-MW-20	S: 8/30/2005 11:30	--
EPA-MW-31	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Ice Only) (5) 500 mL	EPA-MW-31	S: 8/30/2005 9:30	--

Notes: The following are the requested analyses, # of bottles for each analysis, and preservative

Analysis	# of bottles	Preservative
Alkalinity	1	Ice only
Nitrate	1	Ice only
Sulfide	2	Zinc Acetate and Sodium Hydroxide
Sulfate	1	Zinc Acetate and Sodium Hydroxide
Sulfate/chloride	1	Ice only
TOC	1	Sulfuric Acid

CL-1D and EPA-MW-31 had a 500 mL preserved bottle for sulfide
 # CL-3D, CL-4D, CL-4S and EPA-MW-20 had 1 bottle 500 mL preserved for S

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment used?
Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4/CI = Sulfate/Chloride, TOC = Total Organic Carbon			

TR Number: 2-500684269-083005-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
 Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578

DAS No:

R

Region: 2	Date Shipped: 8/30/2005	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By	(Date / Time)	Received By (Date / Time)
Account Code:	Alt Bill: 853186420770	1		
CERCLIS ID: NYD047650197	Shipped to: A4 Scientific	2		
Spill ID: OZLH	1544 Sawdust Road	3		
Site Name/State: Stanton Cleaners Area Groundwater Contam	Suite 505	4		
Project Leader: Leslee Alexander	The Woodlands TX 77380			
Action: Operations and Maintenance	(281) 292-5277			
Sampling Co: Earth Tech				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B36W2	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-31	S: 8/30/2005 9:30		--
B36W5	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	CL-4S	S: 8/30/2005 12:15		--
B36W6	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	CL-4D	S: 8/30/2005 11:28		--
B36W7	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	CL-3	S: 8/30/2005 13:25		--
B36W9	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	CL-1D	S: 8/30/2005 9:10		--
B36X0	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-29	S: 8/30/2005 11:30		--
B36X8	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	CL-1S	S: 8/30/2005 10:05		--
B36Y4	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-11	S: 8/30/2005 15:20		--
B36Z0	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-18	S: 8/30/2005 15:30		--
B36Z4	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	TB-2	S: 8/30/2005 7:00		Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-500684269-083005-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

USEPA Contract Laboratory Program, 2000 Edmund Hallway Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578

DAS No:

K

Region: 2	Date Shipped: 8/30/2005	Chain of Custody Record <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	1				2				3				4			
Relinquished By	(Date / Time)		Received By	(Date / Time)																		
1																						
2																						
3																						
4																						
Project Code:	Carrier Name: FedEx																					
Account Code:	Airbill: 853166420770																					
CERCLIS ID: NYD047660197	Shipped to: A4 Scientific																					
Spill ID: O2LH	1544 Sawdust Road																					
Site Name/State: Stanton Cleaners Area Groundwater Contami	Suite 505																					
Project Leader: Leslee Alexander	The Woodlands TX 77380																					
Action: Operations and Maintenance	(281) 292-5277																					
Sampling Co: Earth Tech																						

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE TIME	INORGANIC SAMPLE No.	QC Type
B36Z9	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	FB-2	S: 8/30/2005 8:10		Lab QC
B3704	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-2	S: 8/30/2005 12:00		Rinsate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Used? _____

TR Number: 2-500684269-083005-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34578

DAS No:

SDG No:

L

Date Shipped: 9/30/2005 Carrier Name: FedEx Airbill: 853186420770 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 282-5277	Chain of Custody Record	Sampler Signature:	For Lab Use Only
	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
	1		Unit Price:
	2		Transfer To:
	3		Lab Contract No:
4		Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B36W2	Monitor Well/ Leslee Alexander	L/G	VOA (14) (HCL) (3)		EPA-MW-31	S: 8/30/2005 9:30		
B36W5	Monitor Well/ Leslee Alexander	L/G	VOA (14) (HCL) (3)		CL-4S	S: 8/30/2005 12:15		
B36W6	Monitor Well/ Leslee Alexander	L/G	VOA (14) (HCL) (3)		CL-4D	S: 8/30/2005 11:25		
B36W7	Monitor Well/ Russ Reynolds	L/G	VOA (14) (HCL) (3)		CL-3	S: 8/30/2005 13:25		
B36W8	Monitor Well/ Russ Reynolds	L/G	VOA (14) (HCL) (3)		CL-1D	S: 8/30/2005 9:10		
B36X0	Monitor Well/ Russ Reynolds	L/G	VOA (14) (HCL) (3)		EPA-MW-29	S: 8/30/2005 11:30		
B36X8	Monitor Well/ Russ Reynolds	L/G	VOA (14) (HCL) (3)		CL-1S	S: 8/30/2005 10:05		
B36Y4	Monitor Well/ Russ Reynolds	L/G	VOA (14) (HCL) (3)		ST-MW-11	S: 8/30/2005 15:20		
B38Z0	Monitor Well/ Leslee Alexander	L/G	VOA (14) (HCL) (3)		ST-MW-18	S: 8/30/2005 15:30		
B38Z4	Field QC/ Leslee Alexander	L/G	VOA (14) (HCL) (3)		TB-2	S: 8/30/2005 7:00		

Shipment for Case Complete? ☐	Sample(s) to be used for Laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Iced? ☐
VOA = CLP TCL Volatiles				

R Number: 2-500684269-083005-0002

R provides preliminary results. Requests for preliminary results will increase analytical costs.
and Copy to: Sample Management Office, 2000 Edmund Haller Dr., Reston, VA, 20191-3400 Phone 703/264-9348 Fax 703/264-9722

ANALYST: J27



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578

DAS No:

SDG No:

L

Date Shipped: 8/30/2005 Carrier Name: FedEx Airbill: 853166420770 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
	4				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B3628	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	FB-2	S: 8/30/2005	8:10	
B3704	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-2	S: 8/30/2005	12:00	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Iced? ☐
VOA = CLP TCL Volatiles				

TR Number: 2-500684269-083005-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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12/15/11 09:55

Page 2 of 2



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 34578

Client No:

SDG No:

L

Date Shipped: 8/30/2005 Carrier Name: FedEx Airbill: 853166420818 Shipped to: USEPA REGION II DESA LAB Building 209, MS-230 2890 Woodbridge Ave. Edison NJ 08837 (732) 806-6866	Chain of Custody Record		Sampler Signature: <i>James K. Reynolds</i> Earth Tech	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>James K. Reynolds</i>	8/30/05 18:00			
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
CL-1D	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Zinc Acetate Sodium Hydroxide) (6) <i>see note</i>	CL-1D	S: 8/30/2005 9:10	
CL-3	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Zinc Acetate Sodium Hydroxide) (6) <i>see note</i>	CL-3	S: 8/30/2005 13:25	
CL-4D	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Ice Only) (6) <i>see note</i>	CL-4D	S: 8/30/2005 11:25	
CL-4S	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Ice Only) (6) <i>see note</i>	CL-4S	S: 8/30/2005 12:15	
EPA-MW-29	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Ice Only) (6) <i>see note</i>	EPA-MW-29	S: 8/30/2005 11:30	
EPA-MW-31	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Ice Only) (6) <i>see note</i>	EPA-MW-31	S: 8/30/2005 9:30	

Notes

The following are the requested analyses, # of bottles for each analysis, and preservative.

	Analysis	# of Bottles	preservative
CL-1D, EPA-MW-31 had 2 ²⁵⁰ mL preserved bottles for sulfide	Alkalinity	1	Ice only
CL-3, CL-4D, CL-4S and EPA-MW-29 had 1 500mL preserved bottle for sulfide	Nitrate	1	Ice only
	Sulfide	2	Zinc Acetate or Sodium Hydroxide
	Sulfide/Sulfate	1	Zinc Acetate or Sodium Hydroxide
	TOC	1	Ice only
			Sulfuric Acid

Shipment for Case Complete? ☒	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☒	Shipment Iced? ☒
Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4/Cl = Sulfate/Chloride, TOC = Total Organic Carbon				

TR Number: 2-500684269-083005-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Haller Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9779

EPA/600/1-11/05

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USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case 44370
Client No:
SOS No:

Date Shipped: 8/31/2005		Chain of Custody Record		Shipper Signature: <i>[Signature]</i>		For Lab Use Only	
Carrier Name: FedEx		Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		Lab Contract No:	
Address: 85316420829		Date/Time: 8/31/2005 13:58:00				Unit Price:	
Shipped to: LAB		2				Transfer To:	
Building 203, NS-230		3				Lab Contract No:	
2890 Woodbridge Ave.		4				Unit Price:	
Edison NJ 08837							
(732) 900-8860							

SAMPLE NO.	BATCH	SAMPLER	CONC	TYPE	ANALYSIS	TURNAROUND	TAG No	STATION	LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
EPA-MW-26	Monitor Well	Rues Reynolds	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			EPA-MW-26		8/31/2005 15:45	
EPA-MW-27	Monitor Well	Rues Reynolds	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			EPA-MW-27		8/31/2005 12:15	
EPA-MW-28	Monitor Well	Rues Reynolds	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			EPA-MW-28		8/31/2005 9:00	
ST-MW-12	Monitor Well	Lee Alexander	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			ST-MW-12		8/31/2005 12:05	
ST-MW-17	Monitor Well	Lee Alexander	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			ST-MW-17		8/31/2005 10:35	
ST-MW-18	Monitor Well	Lee Alexander	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			ST-MW-18		8/31/2005 16:30	
ST-MW-20	Monitor Well	Lee Alexander	LG		Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)			ST-MW-20		8/31/2005 14:35	

Note - The following are the requested analyses, # of bottles for analyses, and corresponding preservation:

Analysis	# of bottles	Preservation
Alkalinity	1	Ice only
NO3	1	Ice only
SO4CI	1	Ice only
TOC	1	Ice only

Shipment for Use Completion	Sample(s) to be used for laboratory QC:	Additional Sampler Signatures:	Colder Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key: Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4CI = Sulfate/Chloride, TOC = Total Organic Carbon	Concentrations: L = Low, M = Medium, H = High	Typical Designator: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Intact? ☐

IR Number: 2-500684269-083105-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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VEPA **Generic Chain of Custody**

Reference Case: 34578

Client No:

R

Region: 2	Date Shipped: 8/31/2005	Chain of Custody Record Relinquished By: <i>[Signature]</i> (Date / Time) 8/31/05 18:00 Received By: _____ (Date / Time) 2 3 4	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 853188420828		
CERCLIS ID: NYD047850197	Shipped to: USEPA REGION II DESA LAB		
Spill ID: O2LH	Building 209, MS-230 2990 Woodbridge Ave. Edison NJ 08837 (732) 908-6886		
Site Name/State: Stanton Cleaners Area Groundwater Contami			
Project Leader: Leslee Alexander			
Action: Operations and Maintenance			
Sampling Co: Earth Tech			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
EPA-MW-26	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Zinc Acetate Sodium Hydroxide) (5) <i>See note</i>	EPA-MW-26	S: 8/31/2005 15:45	--
EPA-MW-27	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Ice Only) (5) <i>See note</i>	EPA-MW-27	S: 8/31/2005 12:15	Spire <i>(Fr)</i>
EPA-MW-9A	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(H2SO4) (5) <i>See note</i>	EPA-MW-9A	S: 8/31/2005 9:00	--
ST-MW-12	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Ice Only) (5) <i>See note</i>	ST-MW-12	S: 8/31/2005 12:08	--
ST-MW-17	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Ice Only) (5) <i>See note</i>	ST-MW-17	S: 8/31/2005 10:35	--
ST-MW-19	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Ice Only) (5) <i>See note</i>	ST-MW-19	S: 8/31/2005 16:30	--
ST-MW-20	Monitor Well/ Leslee Alexander	L/G	Alkalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(Ice Only) (5) <i>See note</i>	ST-MW-20	S: 8/31/2005 14:35	--

The following are the requested analyses, # of bottles for analysis, and preservation

Analysis	# of bottles	Preservation
Alkalinity	1	Ice only
Nitrate	1	Ice only
Sulfide	1	zinc acetate; sodium hydroxide
TOC	1	Sulfuric acid
Sulfate/Chloride	1	Ice only

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment/Lead 1
Alkalinity = Alkalinity, NO3 = Nitrate, S- = Sulfide, SO4Cl = Sulfate/Chloride, TOC = Total Organic Carbon			

IR Number: 2-500684269-083105-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No.
DAS No:
SDG No: L

Date Shipped: 8/31/2005 Carrier Name: FedEx Airbill: 853186420781 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 232-5277	Chain of Custody Record		Sampler Signature: <i>[Signature]</i> 8/31/05	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	<i>[Signature]</i>	8/31/05			
	2				
3					
4					

ORGANIC SAMPLE No.	MATRIX SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B36X1	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-20	S: 8/31/2005 14:35		
B36X3	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (6)	EPA-MW-27	S: 8/31/2005 12:15		
B36X4	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-26	S: 8/31/2005 15:45		
B36X5	Monitor Well/ <i>[Signature]</i>	L/G	VOA (14)	(HCL) (3)	ST-MW-17	S: 8/31/2005 10:35		
B36X6	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-12	S: 8/31/2005 12:05		
B36X7	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-9A	S: 8/31/2005 9:00		
B36Y3	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-06	S: 8/31/2005 10:20		
B36Y6	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-14	S: 8/31/2005 11:20		
B36Z1	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-19	S: 8/31/2005 16:30		
B36Z5	Field QCI/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	TB-3	S: 8/31/2005 9:00		

Shipment for Case Completeness	Sample(s) to be used for laboratory QC: B36X3, B3709	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key: Concentration: L = Low, M = Low/Medium, H = High VOA = GLP TCL Volatiles		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ☐ Shipment Iced? ☐

IR Number: 2-500684269-083105-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No. 04910
DAS No:
SDG No: L

Date Shipped: 8/31/2006	Chain of Custody Record	Sampler Signature: <i>[Signature]</i>	For Lab Use Only
Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
Airbill: 853166420781	<i>[Signature]</i> 8/31/05 1800		Unit Price:
Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 282-5277	2		Transfer To:
	3		Lab Contract No:
	4		Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B3700	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	FB-3	S: 8/31/2005 12:15		
B3705	Field QC/ Leslie Alexander	L/G	VOA (14)	(HCL) (3)	Equipment Blank-3	S: 8/31/2005 9:00		
B3709	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-27-A	S: 8/31/2005 12:15		

Shipment for Cases Complete? Y	Sample(s) to be used for laboratory QC: B36X3, B3709	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Iced? ☐
VOA = CLP TCL Volatiles				

TR Number: 2-500684269-083105-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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USEPA Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record

Case No: 34578

R

Region: 2	Date Shipped: 8/31/2005	Carrier Name: FedEx	Signature: <i>[Signature]</i>
Project Code: Account Code:	Carrier Name: 853188420781	Received By: <i>[Signature]</i>	(Date / Time) 8/31/2005
CERCUS ID: NY0047650197	Address: AA Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277		
Spill ID: OZLH	Shipped to:		
Site Name/State: Slantier Cleaners Area Groundwater Contam			
Project Leader: Leslee Alexander			
Action: Operations and Maintenance			
Sampling Co: Earth Tech			

ORGANIC SAMPLE NO.	MATRIX	CONC	ANALYSIS/ TURNDOWN	TAG ID/ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE NO.	QC Type
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B36X1	Monitor Well Leslee	L/G	VOA (14)	(HCL) (3)	ST-MW-20	S: 8/31/2005 14:35		
B36X3	Alexander Monitor Well Russ Reynolds	L/G	VOA (14)	(HCL) (6)	EPA-MW-27	S: 8/31/2005 12:15		Spike
B36X4	Monitor Well Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-28	S: 8/31/2005 15:45		
B36X5	Monitor Well Leslee	L/G	VOA (14)	(HCL) (3)	ST-MW-17	S: 8/31/2005 10:35		
B36X6	Monitor Well Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-12	S: 8/31/2005 12:05		
B36X7	Monitor Well Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-3A	S: 8/31/2005 9:00		
B36Y3	Monitor Well Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-06	S: 8/31/2005 10:20		
B36Y6	Monitor Well Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-14	S: 8/31/2005 11:20		
B36Z1	Monitor Well Leslee	L/G	VOA (14)	(HCL) (3)	ST-MW-18	S: 8/31/2005 18:30		
B36Z5	Alexander Field OC/ Leslee	L/G	VOA (14)	(HCL) (3)	TB-3	S: 8/31/2005 8:00		Trip Blank

Shipment for Case Completed Y	Sample(s) to be used for laboratory QC: B36X3, B37Y9	Additional Sample Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CL, TCL Volatiles	Concentration: L = Low, M = Medium, H = High	Type/Designation: Composite = C, Grab = G	Shipment Lead?

IR Number: 2-500684269-083105-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Huey Dr., Reston, VA, 20191-3400 Phone 703/264-9348 Fax 703/264-9222

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578

CAS No:

R

Region: 2	Date Shipped: 6/31/2005	Chain of Custody Record Sampler Signature: <i>[Signature]</i> <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td><i>[Signature]</i></td> <td>8/31/05 1800</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	<i>[Signature]</i>	8/31/05 1800			2				3				4			
Relinquished By	(Date / Time)		Received By	(Date / Time)																		
<i>[Signature]</i>	8/31/05 1800																					
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3																						
4																						
Project Code:	Carrier Name: FedEx																					
Account Code:	Airbill: 863166420781																					
CERCLIS ID: NYD047650197	Shipped to: A4 Scientific																					
Spill ID: 02LH	1544 Sawdust Road																					
Site Name/State: Stanton Cleaners Area Groundwater Contami	Suite 505																					
Project Leader: Leslee Alexander	The Woodlands TX 77380																					
Action: Operations and Maintenance	(281) 292-5277																					
Sampling Co: Earth Tech																						

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B3700	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	FB-3	S: 8/31/2005 12:15		Lab QC
B3705	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	Equipment Blank-3	S: 8/31/2005 9:00		Rinsata
B3709	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-27-A	S: 8/31/2005 12:15		Field Duplicate

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: B36X3, B3709	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
VOA = CLP TCL Volatiles			

TR Number: 2-500684269-083105-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222

Organic Traffic Report & Chain of Custody



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578
DAS No:
SDG No:

L

Date Shipped: 9/1/2005	Chain of Custody Record Relinquished By (Date / Time) <i>Leslie Alexander 9/1/05 1500</i> 2 3 4	Sampler Signature: <i>Leslie Alexander</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
Carrier Name: FedEx		Received By (Date / Time)	
Airbill#: 853168420782			
Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B36X8	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-21	S: 9/1/2005 13:55		
B36Y0	Monitor Well/ Leslie Alexander	L/G	VOA (14)	(HCL) (6)	EPA-MW-23	S: 9/1/2005 14:05		
B36Y2	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-02	S: 9/1/2005 15:10		
B36Y5	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-13	S: 9/1/2005 11:55		
B36Y7	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-15	S: 9/1/2005 9:15		
B36Y8	Monitor Well/ Leslie Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-16	S: 9/1/2005 10:10		
B36Z6	Field QC/ Leslie Alexander	L/G	VOA (14)	(HCL) (3)	TB-4	S: 9/1/2005 7:50		
B3701	Field QC/ Leslie Alexander	L/G	VOA (14)	(HCL) (3)	FB-4	S: 9/1/2005 8:00		
B3705	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-4	S: 9/1/2005 10:00		
B3708	Monitor Well/ Leslie Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-23-A	S: 9/1/2005 14:05		

Shipment for Case Complete? ☒	Sample(s) to be used for laboratory QC: B36Y0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☒	Shipment lost? ☐
VOA = CLP TCL Volatiles				

IR Number: 2-500684269-090105-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Bailey Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case NO: 345/0
DAS No:
SDG No:

L

Date Shipped: 9/1/2005 Carrier Name: FedEx Airbill#: 853168420782 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	<i>[Signature]</i>	9/1/05/1:00			
	2				
	3				
	4				

ORGANIC SAMPLE No.	MATRIX SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B3711	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-22	S: 9/1/2005 11:30		
B3712	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-25	S: 9/1/2005 9:00		

Shipment for Case Completion	Sample(s) to be used for laboratory QC: B36Y0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ☐	Shipment Issued? ☐
VOA = CLP TCL Volatiles				

TR Number: 2-500684269-090105-0001

TR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578
 DAS No: R

Region: 2	Date Shipped: 9/1/2005	Chain of Custody Record	Sample Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 853166420792	<i>[Signature]</i> 8/26/05 1:00	
CERCLIS ID: NYD047650197	Shipped to: A4 Scientific	2	
Split ID: 02LH	1544 Sawdust Road	3	
Site Name/State: Stanton Cleaners Area Groundwater Contami	Suite 505	4	
Project Leader: Leslee Alexander	The Woodlands TX 77380		
Action: Operations and Maintenance	(281) 292-5277		
Sampling Co: Earth Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B36X9	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-21	S: 9/1/2005 13:55		--
B36Y0	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (6)	EPA-MW-23	S: 9/1/2005 14:05		Spike
B36Y2	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-02	S: 9/1/2005 15:10		--
B36Y5	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-13	S: 9/1/2005 11:55		--
B36Y7	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	ST-MW-15	S: 9/1/2005 9:15		--
B36Y8	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-18	S: 9/1/2005 10:10		--
B36Z8	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	TB-4	S: 9/1/2005 7:50		Trip Blank
B3701	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	FB-4	S: 9/1/2005 8:00		Lab QC
B3706	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-4	S: 9/1/2005 10:00		Reinstate
B3708	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-23-A	S: 9/1/2005 14:05		Field Duplicate

Shipment for Case Complete? ☐	Sample(s) to be used for laboratory QC: B36Y0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment loaded? ☐
VOA = CLP TCL Volatiles			

TR Number: 2-500684269-090105-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
 Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston VA 20191



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34578

R

DAS No:

Region: 2	Date Shipped: 9/1/2005	Chain of Custody Record	Sampler Signature: <i>Leslee Alexander</i>
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 853166420792	<i>Leslee Alexander</i> 9/1/05 1:00	
CERCLIS ID: NYD047650197	Shipped to: A4 Scientific	2	
Split ID: O2LH	1544 Sawdust Road	3	
Site Name/State: Stanton Cleaners Area Groundwater Contam	Suite 505	4	
Project Leader: Leslee Alexander	The Woodlands TX 77380		
Action: Operations and Maintenance	(281) 282-5277		
Sampling Co: Earth Tech			

ORGANIC SAMPLE No.	MATRIX SAMPLER	CONC TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B3711	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-22	S: 9/1/2005 11:30		--
B3712	Monitor Well/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-25	S: 9/1/2005 9:00		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B36Y0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

IR Number: 2-500684269-090105-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Hallway Dr. Paeon, VA 20129-5400

Attachment C

August 29-September 1 Sampling Event

FedEx *US Airbill*
Express

FedEx
Tracking
Number 8468 9469 3893

Form
ID No. 0215

MUR13

1 From *Earth Tech*
Date *12/15/03* Sender's FedEx
Account Number *2374-4259-8*
Sender's Name *James Kearns* Phone *(801) 283-5981*
Company *Earth Tech*
Address *110 Coppermill Road*
City *Great Neck* State *NY* ZIP *11021*

2 Your Internal Billing Reference
FedEx #00000000000000000000

3 To
Recipient's Name *Sample Custodian* Phone *(913) 629-0101*
Company *ANALYTICAL MONT LAB INC*
Recipient's Address *5100 S WHEELER ST*
City *Overland Park* State *KO* ZIP *66062-2716*

4a Express Package Service
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
☐ FedEx First Overnight
☐ FedEx 2Day
☐ FedEx Express Saver
☐ FedEx International Economy

4b Express Freight Service
☐ FedEx 1Day Freight
☐ FedEx 2Day Freight
☐ FedEx 3Day Freight

5 Packaging
☐ FedEx Envelope
☐ FedEx Pak
☐ FedEx Box
☐ FedEx Tube
☒ Other

6 Special Handling
☐ SATURDAY Delivery
☐ HOLD Weekday
☐ HOLD Saturday
☒ No
☐ Yes
☐ Dry Ice
☐ Cargo Aircraft Only

7 Payment Bill to:
☒ Sender
☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check
Total Packages Total Weight Total Declared Value \$.00

8 Sign to Authorize Delivery Without a Signature
By signing this bill, you agree to the service conditions on the back of this Airbill and agree to indemnify and hold us harmless from any loss or damage.

Try online shipping at fedex.com
By using FedEx's Airbill, you agree to the service conditions on the back of this Airbill and agree to indemnify and hold us harmless from any loss or damage.
Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339

0285645730

466

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.



Tracking Number 8531 6642 0760

Form No. 0200

1 From *James Kearns*
Date *8/29/05* Sender's FedEx Account Number *237422598*
Sender's Name *James Kearns* Phone *804 283-5981*
Company *Earth Tech*
Address *110 Cutter Mill Rd.*
City *Great Neck* State *NY* ZIP *11021*

2 Your Internal Billing Reference
Fill in characters with appropriate zeros.

3 To Recipient's Name *Sample Cryptodiana* Phone *2381 292-5277*
Company *A4 Scientific*
Recipient's Address *1544 Sundurst Rd. Suite 505*
Via cannot deliver to P.O. boxes or P.O. Locks.
Address *The Woodlands* State *TX* ZIP *77380*

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and our current Service Guide, including terms that limit our liability.
Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.483.3339.

4a Express Package Service

☒ FedEx Priority Overnight ☐ FedEx Standard Overnight ☐ FedEx First Overnight
Next business morning* Next business day** To next business morning delivery to select locations*

☐ FedEx 2Day ☒ FedEx Express Saver
Second business day* Third business day*

4b Express Freight Service

☐ FedEx 1Day Freight* ☐ FedEx 2Day Freight ☐ FedEx 3Day Freight
Next business day** Second business day** Third business day**
* Call for Confirmation ** Dec 29/30 value 1st 900

5 Packaging

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other
* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Small Pak

6 Special Handling

☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight services. ZIP codes.
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?
☒ No ☐ Yes (See instructions on shipping dangerous goods)
Dangerous goods (including hazardous materials) shipped in FedEx packaging.
☐ Dry Ice ☐ Cargo Aircraft Only

7 Payment Bill to

Enter FedEx Account No. or Credit Card No. below.
☒ Sender ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Account No. *237422598* Est. Date
Total Packages *1* Total Weight *2* Total Declared Value*

1 *2* *\$ 00*
* Our liability is limited to \$500 unless you declare a higher value. See back for details. FEDEX Like Dry

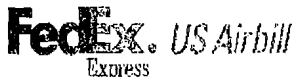
8 Sign to Authorize Delivery Without a Signature

By signing your checkmark, you authorize this shipment without obtaining a signature and agree to hold us harmless from any resulting claims.

FedEx Corp. 1100 West 1100th St. St. Louis, MO 63103-1100 U.S.A. 3075400

RETAIN THIS COPY FOR YOUR RECORDS.

467

FedEx
Tracking
Number

851113789558

Form
ID No.

0200

1 From Place price and address here
Date 8/12/05 Sender's FedEx Account Number 237442598
Sender's Name James Kearns Phone (804) 453-5981
Company Earth Tech
Address 110 Cutler Mill Rd.
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference
FedEx will bill you on this reference.

3 To
Recipient's Name Sample Customer: John Bieri Phone (732) 906-6886
Company USEPA Region II DESA Lab
Recipient's Address 2890 Woodbridge Avenue
Address Building 209, MS-230
City Edison State NJ ZIP 08837

By using this label, you agree to the service conditions on the back of this label and in our current Service Guide in clicking terms (at link.fedex.com).Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx.1.800.463.3339.

4a Express Package Service Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning* ☐ FedEx Standard Overnight Next business day* ☐ FedEx First Overnight Business day before morning pickup*
☐ FedEx 2Day Second business day* ☐ FedEx Express Saver Third business day*
4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* ☐ FedEx 2Day Freight ☐ FedEx 3Day Freight
5 Packaging (Select all that apply)
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other
6 Special Handling (Select all that apply in Condition A)
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes ☐ HOLD Weekday at FedEx location ☐ HOLD Saturday at FedEx location
Does this shipment contain dangerous goods? ☒ No ☐ Yes ☐ Yes ☐ Dry Ice
7 Payment Bill to: ☒ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
8 Sign to Authorize Delivery Without a Signature

CERTAIN THIS COPY FOR YOUR RECORDS.

467

FedEx *US Airbill*
Express

FedEx
Tracking
Number

8531 6642 0770

Form
4240

0200

From *Post Office Box 100*

Date *8/30/05*

Sender's FedEx
Account Number

237442598

Sender's
Name

James Kearns

Phone *(804) 283-5981*

Company

Earth Tech

Address

110 Cutter Mill Rd

City

Great Neck

State

NY

ZIP

11021

2 Your Internal Billing Reference

First 24 characters of your internal reference

3 To

Recipient's
Name

Elkema Corp

Phone *(281) 292-5277*

Company

AL Scientific

Recipient's
Address

1544 Sawdust Rd

On certain dates to F.O. box or P.O. box codes

Address

Suite 505

It requires a postage receipt at destination for return or prior FedEx address change

City

The Woodlands

State

TX

ZIP

77380

4a Express Package Service

Packages up to 150 lbs.
* To most locations

☒ FedEx Priority Overnight
Next business day*

☐ FedEx Standard Overnight
Next business day*

☐ FedEx First Overnight
Next business day*
* Delivery subject to local laws

☐ FedEx 2Day
Second business day*

☐ FedEx Express Saver
Third business day*

4b Express Freight Service

Packages over 150 lbs.
** To local locations

☐ FedEx 1Day Freight*
First business day**

☐ FedEx 2Day Freight
Second business day**

☐ FedEx 3Day Freight
Third business day**

* Cost by destination

5 Packaging

* Packages must meet standards

☐ FedEx Envelope*

☐ FedEx Pak*
* Includes FedEx Small Pak
FedEx Long Pak and FedEx Medium Pak

☐ FedEx Box

☐ FedEx Tube

☐ Other

6 Special Handling

Indicate FedEx address in Section 1

☒ SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 1Day
Freight Overnight, ZIP codes

☐ HOLD Weekly
at FedEx Location
NOT Available for
FedEx First Overnight

☐ HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?
(See Section 1 for checked)

☒ No

☐ Yes

As per attached
Shipper's Declaration

☐ Yes
Shipper's Declaration
is attached

☐ Dry Ice
Dry Ice, UN1845

☐ Cargo Aircraft Only

Damage charges apply according to the terms of the contract for the service.

7 Payment Method

Circle FedEx Account No. or Credit Card No. below

☒ Send to
Account No.
See back for
details

☐ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

FedEx Account No.
or Card No.

Exp.
Date

Total Packages

Total Weight

Total Declared Value*

1

1

\$ 80

* Our policy is that the total declared value must be at least \$100. See back for details.

FedEx User Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature
and agree to indemnify and hold us harmless from any liability arising therefrom.

467

Form 4240 (Rev. 05/04) © 2004 FedEx. All rights reserved.

Try online shipping at fedex.com

By using this Airbill you agree to the terms, conditions on the back of this Airbill
and to our Standard Terms and Conditions of Service.

Questions? Visit our Web site at fedex.com

or call 1.800.GoFedEx 1.800.403.3333

FedEx US Airbill

8531 6442 0818

0200

1 From **8/30/05** Sender's FedEx Account Number **237442598**

Sender's Name **James Kearns** Phone **804, 283-5981**

Company **Earth Tech**

Address **110 Carter Mill Rd.**

City **Great Neck** State **NY** ZIP **11021**

2 Your Internal Billing Reference

3 To Recipient's Name **Sample Customer: John Birm** Phone **734, 906 6886**

Company **US EPA Region II DESA Lab**

Address **2890 Woodbridge Avenue**

City **Edison** State **NJ** ZIP **08837**

Try online shipping at fedex.com

By using the Airbill you agree to the service conditions on the back of this Airbill and to our current Service Guide, including terms that limit our liability.
Questions? Visit our Web site at **fedex.com** or call 1.800.GoFedEx 1.800.468.3339

4a Express Package Service ☒ **FedEx Priority Overnight** Next business morning
☐ **FedEx Standard Overnight** Next business day after next
☐ **FedEx First Overnight** Earliest next business morning (subject to service area and destination)

4b Express Freight Service ☐ **FedEx 2Day** Second business day
☐ **FedEx 2Day Freight** Second business day
☐ **FedEx 3Day Freight** Third business day

Packages up to 150 lbs. ☐ **FedEx 3Day Freight** Third business day

5 Packaging ☐ **FedEx** ☐ **FedEx Pak** ☐ **FedEx Box** ☒ **FedEx Tube**

6 Special Handling ☐ **SATURDAY Delivery** Available ONLY for FedEx 2Day and FedEx 3Day
☐ **HOLD Location** NOT Available for FedEx 2Day and FedEx 3Day
☐ **HOLD Saturday** at FedEx Location

7 Payment Bill to: ☒ **Sender** ☐ **Recipient** ☐ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**

8 Sign to Authorize Delivery Without a Signature ☐ **Signature Required** ☐ **Signature Not Required**

Total Packages ☐ **Signature Required** ☐ **Signature Not Required**

Total Weight ☐ **Signature Required** ☐ **Signature Not Required**

Total Declared Value ☐ **Signature Required** ☐ **Signature Not Required**

9 Signature ☐ **Signature Required** ☐ **Signature Not Required**

10 Signature ☐ **Signature Required** ☐ **Signature Not Required**

11 Signature ☐ **Signature Required** ☐ **Signature Not Required**

12 Signature ☐ **Signature Required** ☐ **Signature Not Required**

13 Signature ☐ **Signature Required** ☐ **Signature Not Required**

14 Signature ☐ **Signature Required** ☐ **Signature Not Required**

15 Signature ☐ **Signature Required** ☐ **Signature Not Required**

497

FedEx Express **US Airbill** Form 3843 **8468 9469 3908**

0215 **MUR13**

1 **From** Originating Office **9136105** **Sender's FedEx Account Number** **237442518**

Sender's Name **James Keenan** **Phone** **800 283-5481**

Company **Earth Tek**

Address **110 Cedar Mill Road**

City/State/Zip **Great Neck NY 11024**

2 **Your Internal Billing Reference**

3 **To** **Recipient's Name** **Sample Corporation** **Phone** **(913) 825-0101**

Company **ANALOGICAL INSTRUMENT CO**

Address **20100 S WILLOW ST**

City/State/Zip **LA HABRA CA 91736**

4a **Express Package Service**

☒ **FedEx Priority Overnight** **FedEx Standard Overnight**

☐ **FedEx 2Day** **FedEx Express Saver**

☐ **Express Freight Service** **Packaging over 150 lbs**

5 **Weighting** **FedEx** **Freight**

6 **Special Handling** **NO HANDLING REQUIRED**

7 **Payment** **Bill Me** **Pay to Order**

8 **Sign to Authorize Delivery Without a Signature**

Total Packages **1** **Total Weight** **5** **Total Declared Value** **100**

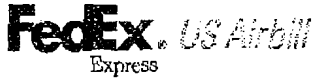
Try online shipping at fedex.com

Questions? Visit our Web site at fedex.com

0285645730

466

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE

FedEx
Tracking
Number

8531 6642 0781

Form
10 No.

0200

1 From Print name and address
Date 8/31/05 Sender's FedEx Account Number 337442598
Sender's Name James Kearns Phone 804 283-5981
Company Earth Tech
Address 110 Cutter Mill Rd.
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference
Print characters and numbers on invoice

3 To
Recipient's Name Elena Cruz Phone 281 291-5277
Company A4 Scientific
Recipient's Address 1544 Sawdust Road, Suite 505
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
To receive a package be held at a specific FedEx location, print FedEx address here.
City The Woodlands State TX ZIP 77380

4a Express Package Service

Packages up to 150 lbs.
* To most locations

☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business day ☐ FedEx First Overnight Earliest next business morning (select only select locations)
☐ FedEx 2Day Second business day ☐ FedEx Express Saver Third business day
FedEx Express Saver not available for international shipments. The ground rate applies.

4b Express Freight Service

Packages over 150 lbs.
** To most locations

☐ FedEx 1Day Freight Next business day ☐ FedEx 2Day Freight Second business day ☐ FedEx 3Day Freight Third business day
* Declare value limit \$500

5 Packaging

☐ FedEx Envelope ☐ FedEx Pak Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling

Include FedEx address in Section 2

☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight services. ZIP codes ☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain hazardous goods?
☒ No ☐ Yes One box must be checked. If per attached Shipper's Declaration, Signature required. ☐ Dry Ice Explain in UN 1845 ☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Account No. or Credit Card No. below.

☒ Sender Account No. in Section 2 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Indicate No. of Packages

Total Packages

Total Weight

Total Declared Value*

\$.00

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver the shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.
Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.453.3338.

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Tracking Number: 8531 6642 0829

Form 1016 0200

1 From Please print and print hard
Date 8/31/05 Sender's FedEx Account Number 237442598
Sender's Name James Kearns Phone (804) 283-5981
Company Earth Tech
Address 110 Cutter Mill Rd.
City Grent Neck State NY ZIP 11021

2 Your Internal Billing Reference
For 24 duplicate bills appear on invoice

3 To
Recipient's Name Sample Luridiana John B. Phone (721) 906-6886
Company USEPA Region II DESA Lab
Recipient's Address 2890 Woodbridge Avenue
We cannot deliver to P.O. boxes or P.O. ZIP codes
Address Building 209 MS-230
To request a package to hold at a specific FedEx location, print proper address below
City Edison State NJ ZIP 08837

4a Express Package Service

☒ FedEx Priority Overnight Next business morning* ☐ FedEx Standard Overnight Next business afternoon* ☐ FedEx First Overnight Earliest next business morning delivery to select locations*
☐ FedEx 2Day Second business day* ☐ FedEx Express Saver Third business day*
FedEx Express Saver not available. Minimum charge: One-second day

Packages up to 150 lbs.
* To most locations

4b Express Freight Service

☐ FedEx 10Day Freight* ☐ FedEx 2Day Freight ☐ FedEx 3Day Freight

Packages over 150 lbs.
** To most locations

* Carrier Confirmation

5 Packaging

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

* Declared value limit \$500

6 Special Handling

☒ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 10Day Freight, and FedEx 2Day Freight select ZIP codes ☐ HOLD Weekday at FedEx Location NOT Available for FedEx 10Day Freight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
☒ No ☐ Yes As indicated on Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice 2.0N 1000 ☐ Cargo Aircraft Only

7 Payment Bill to:

☒ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Account No.
Credit Card No.

Exp. Date

Total Packages

Total Weight

Total Declared Value*

\$ 00

FedEx Use Only

RETAIN THIS COPY FOR YOUR RECORDS

FedEx US Airbill

Express Tracking Number 8468 9469 3919

Form 16 No. 0215

MUR13

1 From Business customers only
 Date 06/13/05 Sender's FedEx Account Number 2374-4259-8
 Sender's Name James Kearns Phone (801) 284-5981
 Company Earth Tech
 Address 110 Cutter Mill Road
 City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference
Please enter the bill number to whom you bill.

3 To
 Recipient's Name Sample Custodian Phone (913) 829-0101
 Company ANALYTICAL MONT LAM INC
 Recipient's Address 2130 S KEELER ST
We cannot ship to PO Boxes or PO 2 Boxes.
 Address SPRING
 City MO State MO ZIP 66062-2716

4a Express Package Service
☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon* ☐ FedEx First Overnight Excludes most business destinations. Not available to destinations.
☐ FedEx 2Day Second business day* ☐ FedEx Express Saver Third business day*
*FedEx service not available. Minimum charge applies.

4b Express Freight Service
☐ FedEx 1Day Freight* ☐ FedEx 2Day Freight ☐ FedEx 3Day Freight
*Call for details.

5 Packaging
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other
*Declared value limit \$500.

6 Special Handling
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight. Add \$10 ZIP codes. ☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight. ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight, FedEx 2Day, and FedEx First Overnight.
 Does this shipment contain dangerous goods?
☒ No ☐ Yes See attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. ☐ Cargo Aircraft Only

7 Payment Bill to:
☒ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
Enter FedEx Account No. or Credit Card No. below.

FedEx Account No. 0215 Exp. Date 06/13/05
 Total Packages 1 Total Weight 1.00 Total Declared Value* \$.00
*Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

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 By using this Airbill, you agree to the service conditions on the back of this Airbill and our current Service Guide, including terms that limit our liability.
 Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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By signing, you authorize us to deliver to shipper's mark without obtaining a signature.
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Attachment D

August 29-September 1 Sampling Event

WATER LEVEL DATA SUMMARY

PROJECT:	Stanton Cleaners	JOB NUMBER:	70536
LOCATION:	Great Neck, NY	DATE:	8/29/2005
CLIENT:	USACE / USEPA	MEASURED BY:	Leslee Alexander
SURVEY DATUM:	ft msl		
MEASURING DEVICE:	Solinst Water Level Indicator S/N# 34407		

	Time (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS
		Description	Elevation (FT)			
ST-MW-02	8:45	TOC	82.03	64.42	17.61	
ST-MW-16	8:50	TOC	75.78	55.21	20.57	
EPA-MW-25	8:55	TOC	73.24	55.94	17.30	
EPA-MW-26	9:02	TOC	78.37	59.77	18.60	
ST-MW-15	9:09	TOC	90.13	73.98	16.15	
ST-MW-18	9:14	TOC	84.40	73.78	10.62	
ST-MW-12	9:17	TOC	87.20	71.61	15.59	
ST-MW-17	9:19	TOC	86.53	70.99	15.54	
ST-MW-20	9:21	TOC	84.53	71.83	12.70	
ST-MW-19	9:29	TOC	N/A	66.71		
ST-MW-09		TOC	N/A			well concreted over
EPA-MW-9A	9:33	TOC	80.24	64.09	16.15	well vault smashed,
EPA-MW-24	9:40	TOC	N/A	66.52		casing intact
ST-MW-06	10:00	TOC	69.83	46.25	23.58	extraction system
EPA-MW-27	10:06	TOC	69.32	52.11	17.21	installed
ST-MW-14	10:09	TOC	69.73	55.71	14.02	
ST-MW-01	10:03	TOC	N/A	52.72		
EPA-MW-23	10:11	TOC	82.83	65.03	17.80	at site building parking lot
EPA-MW-21	10:14	TOC	84.13	67.03	17.10	in front of cleaners
EPA-MW-22	10:18	TOC	82.20	64.52	17.68	end of site parking lot
EPA-MW-28	10:26	TOC	N/A	72.39		well cap secure, vault full
ST-MW-13	10:36	TOC	103.94	86.90	17.04	of dirt

N/A: Data not available

WATER LEVEL DATA SUMMARY

PROJECT:	Stanton Cleaners Great Neck, NY	JOB NUMBER:	70536
LOCATION:	USACE / US EPA	DATE:	8/29/2005
CLIENT:	ft msl	MEASURED BY:	Leslee Alexander
SURVEY DATUM:			
MEASURING DEVICE:	Solinst Water Level Indicator S/N# 34407		

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS
		Description	Elevation (FT)			
EPA-CL 1S	8:52	TOC	N/A	13.00		
EPA-CL 010	9:00	TOC	N/A	18.75		
EPA-MW-29	9:21	TOC	31.06	30.19	0.87	
CL-03	9:24	TOC	N/A	10.45		
CL-02			N/A			could not locate
ST-MW-20	10:00	TOC	84.53	64.03	20.50	
EPA-MW-11D			N/A	59.30		
ST-MW-11	14:20	TOC	75.25	60.03	15.22	covered by car (measured on 8-31-05)
EPA-MW-31			51.46	30.02	21.44	
EPA-MW-32			53.39	30.32	23.07	
EPA-MW-33			68.75	44.51	24.24	cover is missing
CL-4S	11:40	TOC	N/A	4.53		
CL-4D	10:40	TOC	N/A	17.53		

**N/A: Data not
available**

Appendix E

Groundwater Treatment System Raw and Treated Analytical Data

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Influent	SC-01	B0001	10/27/2003	MTBE	2	J
				cis-1,2-Dichloroethene	2	J
				Trichloroethene (TCE)	3	J
				Toluene	3	J
				Tetrachloroethene	350 (D)	
Effluent	SC-04	B0002	10/27/2003	None		
Trip Blank	SC-TB	B0003	10/27/2003	Acetone	61	J
				Methylene chloride	2	J
Influent	SC-01	B0177	11/12/2003	Tetrachloroethene (PCE)	240	
				Chlorodifluoromethane	8.6	NJ
				1,2-Dichloroethene	3.3	NJ
Effluent	SC-04	B0178	11/12/2003	Chlorodifluoromethane	22	NJ
Influent Dup	SC-60	B0179	11/12/2003	Tetrachloroethene	250	
				Chlorodifluoromethane	29	NJ
				1,2-Dichloroethene	3.4	NJ
Trip Blank	SC-TB	B0180	11/12/2003	Tetrachloroethene	9.4	
				Chlorodifluoromethane	4.3	NJ
Influent	SC-01	B17J3	12/10/2003	Tetrachloroethene	290 (D)	
				cis-1,2-Dichloroethene	2	J
				Trichloroethene	3	J
Effluent	SC-04	B17J4	12/10/2003	None		
Influent Dup	SC-61	B17J5	12/10/2003	Tetrachloroethene	280 (D)	
				cis-1,2-Dichloroethene	2	J
				Trichloroethene	3	J
Trip Blank	SC-TB	B17J6	12/10/2003	MTBE	5	J
				Toluene	2	J
				Ethylbenzene	2	J
Influent	SC-01	B1000	1/12/2004	MTBE	2.7	
				cis-1,2-Dichloroethene	1.5	
				Trichloroethene	2.5	
				Tetrachloroethene	280	
Effluent	SC-04	B1001	1/12/2004	None		
Influent Dup	SC-62	B1002	1/12/2004	MTBE	2.6	
				cis-1,2-Dichloroethene	1.5	
				Trichloroethene	2.5	
				Tetrachloroethene	300	
Trip Blank	SC-TB	B1003	1/12/2004	Methylene chloride	0.6	K
				MTBE	3.7	
				Tetrachloroethene	7.9	
				m&p-Xylene	0.7	
Influent	SC-01	B17Z0	2/12/2004	cis-1,2-Dichloroethene	1.7	
				Trichloroethene	3.0	
				Tetrachloroethene	610 (D)	
				Unknown TIC	0.53	J
Effluent	SC-04	B17Z1	2/12/2004	Acetone	3.8	J
Influent Dup	SC-63	B17Z2	2/12/2004	Acetone	25	J
				cis-1,2-Dichloroethene	1.7	
				Trichloroethene	2.8	
				Tetrachloroethene	440 (D)	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Trip Blank	SC-TB	B17Z3	2/12/2004	Methylene chloride	0.16	J
				MTBE	4.7	
				Chloroform	0.26	J
				Tetrachloroethene	7.1	
				Xylene (total)	0.56	
				1,3-Dichlorobenzene	0.40	J
				1,4-Dichlorobenzene	0.38	J
				Unknown TIC	0.58	J
Influent	SC-01	B17Z6	3/10/2004	Benzene, 1-ethyl-3-methyl-	0.72	JN
				MTBE	2.7	
				cis-1,2-Dichloroethene	1.2	
				Trichloroethene	2.3	
Effluent	SC-04	B17Z7	3/10/2004	Tetrachloroethene	260	
				Tetrachloroethene	0.70	
Influent Dup	SC-64	B17Z8	3/10/2004	MTBE	2.8	
				cis-1,2-Dichloroethene	1.2	
				Trichloroethene	2.3	
				Tetrachloroethene	260	
Trip Blank	SC-TB	B17Z9	3/10/2004	Acetone	1.8	
				Toluene	0.50	
				Isobutane	41	NJ
Influent	SC-01	B1BS2	4/14/2004	MTBE	1.9	
				cis-1,2-Dichloroethene	0.83	
				Trichloroethene	1.5	
				Tetrachloroethene	380 (D)	
Effluent	SC-04	B1BS3	4/14/2004	Tetrachloroethene	1.9	
				Acetone	1.2	J
Influent Dup	SC-65	B1BS4	4/14/2004	MTBE	1.5	
				cis-1,2-Dichloroethene	0.67	J
				Trichloroethene	1.1	
				Tetrachloroethene	260 (D)	
Trip Blank	SC-TB	B1BS5	4/14/2004	Methylene chloride	0.17	J
				Chloroform	2.8	
				Bromodichloromethane	0.80	
Influent	SC-01	B1BS6	5/20/2004	MTBE	2.1	
				cis-1,2-Dichloroethene	1.0	
				Trichloroethene	1.8	
				Tetrachloroethene	190	
Effluent	SC-04	B1BS7	5/20/2004	Acetone	1.2	
				Acetone	0	
Influent Dup	SC-66	B1BS8	5/20/2004	MTBE	2.1	
				cis-1,2-Dichloroethene	0.9	
				Trichloroethene	1.6	
				Tetrachloroethene	200	
Trip Blank	SC-TB	B1BS9	5/20/2004	Acetone	1	
				Chloroform	0	
				Bromodichloromethane	0	
Influent	SC-01	B1BS6	6/15/2004	Carbon Disulfide	1.1	
				MTBE	2.7	
				cis-1,2-Dichloroethene	1.3	
				Trichloroethene	2.4	
				Tetrachloroethene	320	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Effluent	SC-04	B1BS7	6/15/2004	Tetrachloroethene	2.1	
Influent Dup	SC-67	B1BS8	6/15/2004	MTBE	2.3	
				cis-1,2-Dichloroethene	1.2	
				Trichloroethene	2.2	
				Tetrachloroethene	330	
Trip Blank	SC-TB	B1BS9	6/15/2004	None		
Influent	SC-01	B1FJ2	7/13/2004	Acetone	0.8	
				MTBE	2.3	
				cis-1,2-Dichloroethene	1.1	
				Trichloroethene	1.7	
Effluent	SC-04	B1FJ3	7/13/2004	Tetrachloroethene	170	
				Acetone	0.72	
Influent Dup	SC-67	B1FJ4	7/13/2004	Tetrachloroethene	2	
				MTBE	2.4	
				cis-1,2-Dichloroethene	1.1	
				Trichloroethene	1.8	
Trip Blank	SC-TB	B1FJ5	7/13/2004	Tetrachloroethene	160	
				Acetone	0.73	
Influent	SC-01	B1GH2	8/16/2004	Acetic Acid, Ethyl Ester	2.5	NJ
				MTBE	1.9	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.5	
Effluent	SC-04	B1GH3	8/16/2004	Tetrachloroethene	200	
				Acetone	2	
Influent Dup	SC-69	B1GH4	8/16/2004	Tetrachloroethene	5.4	
				Acetone	1.6	
				Acetone	1.2	
				MTBE	2	
Influent	SC-01			cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.5	
				Tetrachloroethene	210	
				Chloromethane	0.80	
				Acetone	1.0	
				MTBE	1.5	
Effluent	SC-04			cis-1,2-Dichloroethene	0.70	
				Trichloroethene	1.4	
				Tetrachloroethene	200	
Influent Dup	SC-70			Chloromethane	0.80	
				Acetone	2.1	
				Tetrachloroethene	1.7	
				Acetone	1.0	
Trip Blank	SC-TB			MTBE	1.3	
				cis-1,2-Dichloroethene	0.60	
Influent	SC-01	B1LZ2	10/21/2004	Trichloroethene	1.4	
				Tetrachloroethene	210	
				Acetone	2.2	
				2-Butanone	1.5	
Influent	SC-01	B1LZ2	10/21/2004	Acetone	5	J
				Methylene chloride	0.2	J
				MTBE	0.82	
				cis-1,2-Dichloroethene	0.5	
				Trichloroethene	1.2	
				Tetrachloroethene	220	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Effluent	SC-04	B1LZ3	10/21/2004	Acetone	5	J
				Methylene chloride	0.5	UJ
				Tetrachloroethene	0.2	J
Influent Dup	SC-71	B1LZ4	10/21/2004	Acetone	5	J
				Methylene chloride	1.1	
				MTBE	1.1	
				cis-1,2-Dichloroethene	0.64	
				Trichloroethene	1.1	
				Tetrachloroethene	210	(D)
Trip Blank	SC-TB	B1LZ5	10/21/2004	Acetone	5.7	
				Methylene chloride	0.68	
				Toluene	0.39	J
Influent	SC-01	B1T22	11/17/2004	Acetone	3	J
				Methylene chloride	1.3	U
				MTBE	1.3	
				cis-1,2-Dichloroethene	0.64	
				Trichloroethene	1.2	
				Tetrachloroethene	170	(D)
Effluent	SC-04	B1T23	11/17/2004	Methyl Acetate	0.5	UJ
				Methylene chloride	0.5	U
				Methylene chloride	0.85	U
Influent Dup	SC-72	B1T24	11/17/2004	MTBE	1.3	
				cis-1,2-Dichloroethene	0.5	
				Trichloroethene	0.83	
				Tetrachloroethene	160	(D)
				Acetone	3	J
				Methyl Acetate	0.5	UJ
Trip Blank	SC-TB	B1T25	11/17/2004	Methylene chloride	0.46	J
				2-Butanone	2.4	J
				Tetrachloroethene	9.6	
				1,2,3-Trichlorobenzene	0.5	UJ
				MTBE	1.6	
				cis-1,2-Dichloroethene	0.45	J
Influent	SC-01	B1T79	12/15/2004	Trichloroethene (TCE)	1.0	J
				Tetrachloroethene	100	(D)
				Methylcyclohexane	1	UJ
				Bromomethane	1	UJ
				Bromodichloromethane	1	UJ
				Chloromethane	1	UJ
				1,2-Dichloroethene	1	UJ
				1,2-Dichloropropane	1	UJ
				2-Hexanone	10	R
				4-Methyl-2-pentanone	10	R
				Benzene	0.5	JB
				1,2,4-Trichlorobenzene	0.5	JB
Effluent	SC-04	B1T81	12/15/2004	1,2,3-Trichlorobenzene	0.5	JB
				Methyl tert-Butyl Ether	1.6	
				cis-1,2-Dichloroethene	0.48	J
Influent Dup	SC-73	B1T80	12/15/2004	Trichloroethene	0.98	J
				4-Methyl-2-pentanone	10	R
				Tetrachloroethene	98	(D)
				2-Hexanone	10	R

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Trip Blank	SC-TB	B1T82	12/15/2004	Chloroform	0.1	J
				Cyclohexane	0.15	J
				Benzene	0.5	JB
				Toluene	0.21	J
Influent	SC-01	B1W00	1/21/2005	MTBE	1.5	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene (TCE)	1.4	
				Tetrachloroethene	160	
Effluent	SC-04	B1W02	1/21/2005	Acetone	1.8	
Influent Dup	SC-74	B1W01	1/21/2005	Methyl tert-Butyl Ether	1.4	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.4	
				Tetrachloroethene	150	
Trip Blank	SC-TB	B1W03	1/21/2005	Acetone	10	
				Acetone	3.5	
				MTBE	1.4	
				cis-1,2-Dichloroethene	0.5	
Influent	SC-01	AG00197	2/3/2005	Trichloroethene (TCE)	1.1	
				Tetrachloroethene	140	
				Acetone	1.2	
				Methyl tert-Butyl Ether	1.5	
Effluent	SC-04	AG00198	2/3/2005	cis-1,2-Dichloroethene	0.54	
				Trichloroethene	1.1	
				Tetrachloroethene	140	
				Acetone	1.1	
Influent Dup	SC-75	AG00199	2/3/2005	Acetone	4.3	
				Acetone	1.2	
				4-Methyl-2-pentanone	1.2	
				MTBE	1.4	
Trip Blank	SC-TB	AG00200	2/3/2005	Acetone	2.5	
				Trichloroethene (TCE)	1.1	
				Tetrachloroethene	130	
				Acetone	1.8	
Influent	SC-01	AG00468	3/9/2005	MTBE	1.4	
				Acetone	1.2	
				Trichloroethene	1.1	
				Tetrachloroethene	130	
Effluent	SC-04	AG00469	3/9/2005	Acetone	1.7	
				Chloroform	1.6	
				MTBE	1.7	
				2-Butanone	2.2	
Influent Dup	SC-76	AG00470	3/9/2005	Acetone	2.4	
				Trichloroethene (TCE)	1.1	
				Tetrachloroethene	65	
				2-Butanone	2.5	
Trip Blank	SC-TB	AG00471	3/9/2005	Acetone	5.1	
				Trichloroethene (TCE)	1.3	
				Tetrachloroethene	9.5	
				None		
Influent (EPA-EXT-02)	SC-01	AG00825	4/22/2005	2-Butanone	2.8	
				Acetone	4.9	
				Trichloroethene	1.3	
				Tetrachloroethene	9	
Influent (EPA-EXT-4R)	SC-02	AG00826	4/22/2005	2-Butanone	2.8	
				Acetone	4.9	
				Trichloroethene	1.3	
				Tetrachloroethene	9	
Effluent	SC-04	AG00827	4/22/2005	2-Butanone	2.8	
				Acetone	4.9	
				Trichloroethene	1.3	
				Tetrachloroethene	9	
Influent Dup (EPA-EXT-02) (EPA-EXT-4R)	SC-77	AG00828	4/22/2005	2-Butanone	2.8	
				Acetone	4.9	
				Trichloroethene	1.3	
				Tetrachloroethene	9	

**Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data**

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Trip Blank	SC-TB	AG00829	4/22/2005	Acetone	1	
				Chloroform	1.7	
				Trichloroethene (TCE)	0.84	
Influent (EPA-EXT-02)	SC-01	AG01320	5/24/2005	MTBE	1.1	
				Trichloroethene (TCE)	1.0	
				Tetrachloroethene	100	
Influent (EPA-EXT-4R)	SC-02	AG01321	5/24/2005	Tetrachloroethene	8.8	
Effluent	SC-04	AG01322	5/24/2005	Acetone	1.3	
Influent Dup (EPA-EXT-02) (EPA-EXT-4R)	SC-78	AG01323	5/24/2005	Tetrachloroethene	8.6	
Trip Blank	SC-TB	AG01324	5/24/2005	Acetone	1.3	
				Chloroform	13	
				Bromodichloromethane	2.5	

Notes:

* = Unless otherwise noted, samples collected from ECC ID SC-04 were used as the matrix spike / matrix spike duplicate sample.

** = Data validation was performed by EPA Region II. ECC carried over assigned qualifiers and did not perform a separate review or validation of the data.

(D) = Detection from a dilution of the sample.

J = qualified as estimated

JN = Presumptive evidence for the presence of the material at an estimated value.

K = The reported value may be biased high.

µg/L = micrograms per liter

MTBE = Tert-butyl-methyl-ether

NJ = TIC. The reported value is estimated.

TIC = Tentatively Identified Compound.

Appendix F

Soil Vapor Extraction and Pump and Treat System Bi-weekly Air Monitoring Logs

**STANTON CLEANERS AREA GROUNDWATER
CONTAMINATION SITE
Soil-Vapor Extraction and Pump and Treat System
Bi-Weekly Air Monitoring Log**

Date: 8/2/05
Project #
70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE (Post Blower)	0.0	0	20.9%	9%	0	73.3	N/A	68.2%	62.1	270
Post Air Stripper	0.0	0	21.1%	12%	0	60.7	N/A	95.5%	59.4	120
Post SVE Carbon	9.3	0	19.8%	4%	0	124.7	N/A	19.2%	70.4	255
Post AS Carbon	0.0	0	19.8%	2%	0	101.4	N/A	37.0%	70.4	55
Sub-Slab A	1.9	0	20.9%	0%	0	90.6	N/A	60.8%	74.7	18.0
Sub-Slab B	2.6	1	20.7%	0%	0	89.4	N/A	63.5%	74.5	30.0
Sub-Slab C	1.2	0	20.9%	0%	0	90.2	N/A	63.5%	75.5	18.0
Background	0.0	0	20.9%	0%	0	84.5	N/A	59.4%	69.0	N/A
SVE-EXT-4R	1.4	0	20.9%	0%	0	89.4	N/A	57.6	72.5	8.75
Sub Slab D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Equipment calibrated by: Frank Mahalski/Robert Derrick
Air readings collected by: Frank Mahalski/Robert Derrick

VOC: Volatile Organic Compounds

CO: Carbon Monoxide

LEL: Lower Explosive Limit

ppm: parts per million

temperature: measured in degrees Fahrenheit

pressure: measured in inches of water (in/H₂O), inches of mercury (in/Hg), or
pounds per square inch (psi).

Flow: measured in cubic feet per minute (cfm)

%RH: relative humidity

Dew Pt.: dew point in degrees Fahrenheit

Comments:

New SVE well EPA-EXT-04 online since 11/4/04

Sub-slab sample ports online since 3/22/05

Sub slab D could not be monitored as it was blocked
by a truck

AS: Air Stripper

SVE: Soil Vapor Extraction System

N/A: not available/car blocking sample port

**STANTON CLEANERS AREA GROUNDWATER
CONTAMINATION SITE
Soil-Vapor Extraction and Pump and Treat System
Bi-Weekly Air Monitoring Log**

Date: 8/9/05
Project #
70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE (Post Blower)	5.0	0	20.0%	0%	0	120.1	N/A	74.5%	63.2	270
Post Air Stripper	0.0	0	20.9%	0%	0	72.8	N/A	67.6%	61.7	120
Post SVE Carbon	0.4	0	20.9%	0%	0	101.3	N/A	34.9%	78.2	245
Post AS Carbon	0.0	0	20.9%	0%	0	86.4	N/A	78.6%	69.8	50
Sub-Slab A	0.7	0	20.9%	0%	0	86.1	N/A	70.3%	67.9	16.0
Sub-Slab B	0.5	1	20.9%	0%	0	89.6	N/A	69.4%	70.8	28.0
Sub-Slab C	0.4	0	20.9%	0%	0	94.4	N/A	86.4%	82.6	22.0
Background	0.0	0	20.9%	0%	0	76.5	N/A	69.8%	67.0	N/A
SVE-EXT-4R	0.6	1	20.9%	0%	0	93.9	N/A	66.1	73.8	6.5
Sub Slab D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Equipment calibrated by: Frank Mahalski
Air readings collected by: Frank Mahalski

VOC: Volatile Organic Compounds
CO: Carbon Monoxide
LEL: Lower Explosive Limit
ppm: parts per million
temperature: measured in degrees Fahrenheit
pressure: measured in inches of water (in/H₂O), inches of mercury (in/Hg), or pounds per square inch (psi).
Flow: measured in cubic feet per minute (cfm)
%RH: relative humidity
Dew Pt.: dew point in degrees Fahrenheit

Comments:

New SVE well EPA-EXT-04 online since 11/4/04
Sub-slab sample ports online since 3/22/05
Sub slab D could not be monitored as it was blocked by a truck

AS: Air Stripper
SVE: Soil Vapor Extraction System
N/A: not available/ not applicable

**STANTON CLEANERS AREA GROUNDWATER
CONTAMINATION SITE
Soil-Vapor Extraction and Pump and Treat System
Bi-Weekly Air Monitoring Log**

Date: 8/24/05
Project #
70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
SVE Influent	6.0	0	19.6%	0%	0	117.7		21.4%	67.4	290
Post Air Stripper	0.0	0	20.9%	0%	0	59.1		58.0%	97.5	1050
SVE Effluent ¹	0.0	0	19.5%	0%	0	101.8		32.7%	67.0	250
GW Post Vapor Effluent ²	0.4	0	20.9%	0%	0	60.7		91.7%	58.2	950
SS A ³	1.9	0	20.9%	0%	0	84.2		36.5%	56.5	16.5
SS B ³	0.9	0	20.9%	0%	0	87.8		45.0%	60.0	2.4
SS C ³	1.0	0	20.7%	0%	0	94.9		31.0%	62.5	4.25
Background	N/A	N/A	N/A	N/A	N/A	84.7		28.9%	48.3	N/A
SVE-EXT-04 ⁴	0.8	0	20.9%	0%	0	88.1		39.0%	59	9.15
LI HA-SS	0.8	1	20.7	0%	0	90.6		30.0%	55.5	65

Equipment calibrated by: Robert Derrick
Air readings collected by: Robert Derrick

Comments:

New SVE well EPA-EXT-04 online since 11/4/04
Sub-slab sample ports online since 3/22/05

VOC: Volatile Organic Compounds

CO: Carbon Monoxide

LEL: Lower Explosive Limit

ppm: parts per million

temperature: measured in degrees Fahrenheit

pressure: measured in inches of water (in/H₂O), inches of mercury (in/Hg), or
pounds per square inch (psi).

Flow: measured in cubic feet per minute (cfm)

%RH: relative humidity

Dew Pt.: dew point in degrees Fahrenheit

AS: Air Stripper

SVE: Soil Vapor Extraction System

¹ Formerly Post SVE Carbon

² Formerly Post Air Stripper Carbon

³ Formerly Sub-Slab A, B, and C respectively

⁴ Formerly SVE-EXT-

4R

N/A: not available/ not applicable

Appendix G

Semi-Annual Groundwater Sampling Analytical Data

Appendix H

Historical Groundwater Level Monitoring Results (Ongoing)

WATER LEVEL DATA SUMMARY

PROJECT: Stanton Cleaners LOCATION: Great Neck, NY CLIENT: USACE / USEPA SURVEY DATUM: ft msl MEASURING DEVICE: Solinst Water Level Indicator S/N# 34407			JOB NUMBER: 70536 DATE: 8/4/2005 MEASURED BY: Frank Mahalski Robert Derrick		
WELL NUMBER	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS
	Description	Elevation (FT)			
EPA-MW-11D	ft BTOC	74.63	59.07	15.56	2 bolts missing, 4" pipe
EPA-MW-21	ft BTOC	84.13	66.85	17.28	all bolts missing
EPA-MW-22	ft BTOC	82.20	64.38	17.82	2 bolts missing
EPA-MW-23	ft BTOC	82.83	64.88	17.95	1 bolt missing
EPA-MW-27	ft BTOC	69.32	51.84	17.48	all bolts missing
ST-MW-02	ft BTOC	82.03			partially paved over--can't open
ST-MW-06	ft BTOC	69.83	45.80	24.03	all bolts missing, 4" pipe
ST-MW-09	ft BTOC	78.13	63.94	14.19	two bolts missing, broken casing
ST-MW-11	ft BTOC	75.25			underneath car--can't measure
ST-MW-12	ft BTOC	87.20	71.42	15.78	one bolt missing
ST-MW-14	ft BTOC	69.73	55.45	14.28	all bolts missing
ST-MW-16	ft BTOC	75.78	54.82	20.96	all bolts missing
ST-MW-17	ft BTOC	86.53	70.78	15.75	all bolts missing
ST-MW-19	ft BTOC	82.50	66.53	15.97	all bolts missing
ST-MW-20	ft BTOC	84.53	71.59	12.94	all bolts missing

Treatment System:
Total Gallons Pumped:
Pumping Rate: GPM

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	10/29/2003		10/31/2003		11/22/03 - 11/23/03	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	57.74	16.89	57.94	16.69	60.07	14.56
EPA-MW-21	84.13	66.70	17.43	66.14	17.99	66.86	17.27
EPA-MW-22	82.20	64.51	17.69	64.08	18.12	65.09	17.11
EPA-MW-23	82.83	64.97	17.86	64.54	18.29	78.61	4.22
EPA-MW-27	69.32	51.74	17.58	51.12	18.20	52.85	16.47
ST-MW-02	82.03	64.19	17.84	63.78	18.25	64.40	17.63
ST-MW-06	69.83	63.43	6.40	44.82	25.01	44.92	24.91
ST-MW-09	78.13	61.39	16.74	60.67	17.46	62.52	15.61
ST-MW-11	75.25	58.67	16.58	58.06	17.19	60.59	14.66
ST-MW-12	87.20	73.84	13.36	70.18	17.02	72.01	15.19
ST-MW-14	69.73	50.94	18.79	50.76	18.97	56.40	13.33
ST-MW-16	75.78	55.51	20.27	55.53	20.25	65.51	10
ST-MW-17	86.53	69.95	16.58	69.27	17.26	71.55	14.98
ST-MW-19	82.50	67.01	15.49	64.93	17.57	68.04	14.46
ST-MW-20	84.53	65.99	18.54	65.83	18.70	73.45	11.08

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	12/17/03 - 12/18/03		1/12/2004		2/26/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.00	15.63	57.52	17.11	56.50	18.13
EPA-MW-21	84.13	64.99	19.14	66.17	17.96	64.30	19.83
EPA-MW-22	82.20	63.03	19.17	63.99	18.21	61.90	20.30
EPA-MW-23	82.83	77.05	5.78	64.45	18.38	63.00	19.83
EPA-MW-27	69.32	51.75	17.57	51.22	18.10	50.50	18.82
ST-MW-02	82.03	63.25	18.78	64.03	18.00	62.03	20.00
ST-MW-06	69.83	43.10	26.73	45.74	24.09	44.40	25.43
ST-MW-09	78.13	61.50	16.63	--	--	60.00	18.13
ST-MW-11	75.25	59.23	16.02	62.10	13.15	60.90	14.35
ST-MW-12	87.20	72.00	15.20	70.27	16.93	60.50	26.70
ST-MW-14	69.73	55.05	14.68	NA	NA	48.70	21.03
ST-MW-16	75.78	64.18	11.60	54.99	20.79	53.00	22.78
ST-MW-17	86.53	69.99	16.54	69.40	17.13	67.25	19.28
ST-MW-19	82.50	67.21	15.29	--	--	65.25	17.25
ST-MW-20	84.53	71.56	12.97	63.51	21.02	61.75	22.78

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	3/29/2004		4/5/2004		5/19/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	60.00	14.63	60.36	14.27	60.30	14.33
EPA-MW-21	84.13	66.99	17.14	67.38	16.75	67.10	17.03
EPA-MW-22	82.20	61.90	20.30	65.00	17.20	64.98	17.22
EPA-MW-23	82.83	65.10	17.73	65.59	17.24	65.25	17.58
EPA-MW-27	69.32	52.08	17.24	52.84	16.48	53.10	16.22
ST-MW-02	82.03	63.99	18.04	64.90	17.13	64.87	17.16
ST-MW-06	69.83	45.60	24.23	46.24	23.59	46.25	23.58
ST-MW-09	78.13	62.80	15.33	--	--	62.00	16.13
ST-MW-11	75.25	60.00	15.25	60.85	14.40	60.46	14.79
ST-MW-12	87.20	72.22	14.98	72.22	14.98	72.12	15.08
ST-MW-14	69.73	56.99	12.74	57.87	11.86	58.13	11.60
ST-MW-16	75.78	54.68	21.10	55.48	20.30	55.09	20.69
ST-MW-17	86.53	70.25	16.28	71.76	14.77	71.80	14.73
ST-MW-19	82.50	66.00	16.50	--	--	65.78	16.72
ST-MW-20	84.53	71.45	13.08	73.78	10.75	73.65	10.88

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	6/14/2004		7/21/04 - 7/22/04		8/2/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.97	14.66	59.75	14.88	59.75	14.88
EPA-MW-21	84.13	67.00	17.13	66.99	17.14	66.11	18.02
EPA-MW-22	82.20	64.78	17.42	64.50	17.70	64.33	17.87
EPA-MW-23	82.83	66.21	16.62	66.10	16.73	65.16	17.67
EPA-MW-27	69.32	53.05	16.27	52.98	16.34	54.86	14.46
ST-MW-02	82.03	65.11	16.92	65.00	17.03	59.85	22.18
ST-MW-06	69.83	45.99	23.84	45.66	24.17	44.11	25.72
ST-MW-09	78.13	62.00	16.13	61.79	16.34	--	--
ST-MW-11	75.25	60.40	14.85	60.39	14.86	60.50	14.75
ST-MW-12	87.20	72.29	14.91	72.20	15.00	71.36	15.84
ST-MW-14	69.73	58.55	11.18	58.34	11.39	55.56	14.17
ST-MW-16	75.78	55.09	20.69	55.01	20.77	54.85	20.93
ST-MW-17	86.53	71.52	15.01	71.46	15.07	70.80	15.73
ST-MW-19	82.50	65.00	17.50	64.77	17.73	--	--
ST-MW-20	84.53	73.44	11.09	73.25	11.28	71.66	12.87

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	9/28/04 - 9/29/04		10/12/04 - 10/13/04		11/3/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.70	14.93	58.97	15.66	58.95	15.68
EPA-MW-21	84.13	66.75	17.38	66.50	17.63	66.41	17.72
EPA-MW-22	82.20	64.41	17.79	64.34	17.86	64.32	17.88
EPA-MW-23	82.83	65.11	17.72	65.00	17.83	64.87	17.96
EPA-MW-27	69.32	52.31	17.01	52.25	17.07	52.26	17.06
ST-MW-02	82.03	65.00	17.03	65.03	17.00	65.00	17.03
ST-MW-06	69.83	44.55	25.28	55.34	14.49	55.29	14.54
ST-MW-09	78.13	62.00	16.13	62.12	16.01	62.15	15.98
ST-MW-11	75.25	60.41	14.84	60.50	14.75	60.34	14.91
ST-MW-12	87.20	72.00	15.20	72.21	14.99	72.22	14.98
ST-MW-14	69.73	56.71	13.02	56.50	13.23	56.49	13.24
ST-MW-16	75.78	55.10	20.68	57.00	18.78	57.01	18.77
ST-MW-17	86.53	70.99	15.54	70.98	15.55	70.95	15.58
ST-MW-19	82.50	64.84	17.66	64.80	17.70	64.79	17.71
ST-MW-20	84.53	71.97	12.56	72.00	12.53	72.55	11.98

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	12/8/2004		1/3/2005		2/7/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.75	14.88	59.10	15.53	57.63	17.00
EPA-MW-21	84.13	66.61	17.52	65.67	18.46	65.80	18.33
EPA-MW-22	82.20	64.33	17.87	64.44	17.76	65.32	16.88
EPA-MW-23	82.83	65.16	17.67	65.10	17.73	64.44	18.39
EPA-MW-27	69.32	52.24	17.08	51.87	17.45	50.85	18.47
ST-MW-02	82.03	64.54	17.49	64.78	17.25	63.90	18.13
ST-MW-06	69.83	44.11	25.72	55.41	14.42	47.32	22.51
ST-MW-09	78.13	59.98	18.15	62.31	15.82	63.44	14.69
ST-MW-11	75.25	60.50	14.75	59.99	15.26	58.64	16.61
ST-MW-12	87.20	71.36	15.84	71.98	15.22	70.45	16.75
ST-MW-14	69.73	55.56	14.17	56.51	13.22	50.15	19.58
ST-MW-16	75.78	54.85	20.93	57.08	18.70	55.15	20.63
ST-MW-17	86.53	70.80	15.73	71.03	15.50	70.75	15.78
ST-MW-19	82.50	64.32	18.18	64.76	17.74	65.01	17.49
ST-MW-20	84.53	71.66	12.87	72.43	12.10	65.09	19.44

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

--- Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	3/22/2005		4/11/2005		5/19/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	60.00	14.63	60.99	13.64	61.00	13.63
EPA-MW-21	84.13	64.50	19.63	64.00	20.13	63.21	20.92
EPA-MW-22	82.20	64.55	17.65	65.12	17.08	65.43	16.77
EPA-MW-23	82.83	65.00	17.83	65.10	17.73	65.00	17.83
EPA-MW-27	69.32	51.67	17.65	51.60	17.72	51.33	17.99
ST-MW-02	82.03	63.99	18.04	63.89	18.14	63.40	18.63
ST-MW-06	69.83	55.40	14.43	55.42	14.41	55.32	14.51
ST-MW-09	78.13	61.20	16.93	61.78	16.35	61.72	16.41
ST-MW-11	75.25	60.10	15.15	60.00	15.25	59.99	15.26
ST-MW-12	87.20	72.00	15.20	71.21	15.99	71.12	16.08
ST-MW-14	69.73	56.20	13.53	56.33	13.40	56.34	13.39
ST-MW-16	75.78	57.00	18.78	57.10	18.68	57.30	18.48
ST-MW-17	86.53	70.78	15.75	70.00	16.53	59.90	26.63
ST-MW-19	82.50	63.23	19.27	63.00	19.50	63.00	19.50
ST-MW-20	84.53	71.32	13.21	71.21	13.32	71.71	12.82

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

**HISTORICAL GROUNDWATER ELEVATIONS
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	6/15/2005		7/7/2005		8/4/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	58.70	15.93	58.51	16.12	59.07	15.56
EPA-MW-21	84.13	66.35	17.78	66.27	17.83	66.85	17.28
EPA-MW-22	82.20	63.83	18.37	63.78	18.42	64.38	17.82
EPA-MW-23	82.83	64.32	18.51	64.29	18.54	64.88	17.95
EPA-MW-27	69.32	51.45	17.87	51.35	17.97	51.84	17.48
ST-MW-02	82.03	--	--	--	--	--	--
ST-MW-06	69.83	45.70	24.13	45.90	23.93	45.80	24.03
ST-MW-09	78.13	63.45	14.68	63.29	14.84	63.94	14.19
ST-MW-11	75.25	--	--	--	--	--	--
ST-MW-12	87.20	71.02	16.18	70.71	16.49	71.42	15.78
ST-MW-14	69.73	55.08	14.65	54.99	14.74	55.45	14.28
ST-MW-16	75.78	54.54	21.24	54.71	21.07	54.82	20.96
ST-MW-17	86.53	70.35	16.18	70.17	16.36	70.78	15.75
ST-MW-19	82.50	66.82	15.68	66.89	15.61	66.53	15.97
ST-MW-20	84.53	71.20	13.33	71.07	13.46	71.59	12.94

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Appendix I

Indoor Air Quality Analytical Data (Included in July 2005 Monthly Report)

Appendix J

Action List Dated August 2005



A Tyco Infrastructure Services Company

August 2005 ACTION LIST SUMMARY

PROJECT: Stanton Cleaners

JOB NUMBER: 70536

LOCATION: Great Neck, NY

DATE: August 2005

CLIENT: USACE / USEPA

COMPLETED ITEMS	DATE PERFORMED
Semi-annual groundwater sampling event	8/29-9/2/05

OUTSTANDING ITEMS	RECOMMENDED SOLUTION
Replacement of circuit breaker panel. Installation of cage around radon blower at the Long Island Jewish Academy Indoor Air sampling Event Replacement of Carbon Filters at LIHA/R2D2s at Stanton Treatment Building	