## 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

September12, 2005

ET Project No. 70536.02.01.02

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ET Project No. 70536.02.01.02

Date: \_\_\_\_\_ September 9, 2005 \_\_\_\_\_

Reviewer: James Kearns

Title: \_\_\_\_\_ Environmental Scientist

Date: \_\_\_\_\_September 12, 2005\_\_\_\_\_

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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 15<sup>th</sup> 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 I. 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

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# TABLE 1ESTIMATED PCE RECOVERY RATESSTANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE250 CFM SVE SYSTEMSeptember 2003 - August 2005

	20 x 1	Flow Rate		1		VOC	VOC		
Date	# of			Concentration	Average	Discharge Rate	Total Discharge		
	Days	(cfm)	Avg (cfm)	(ppm)	(ppm)	(lbs/day)	(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			SV	E System Manually S	hutdown Sin	ce 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		
							10 5		
4/29/2004	16	170	172.5	6	6.15	0.7	10.5		
<u>4/29/2004</u> Notes: VOC readings	<u>16</u> s taken be	170	172.5 r phase carbon o	ff-gas treatment.	6.15	0.7 Total	10.5 <b>148.7</b>		
4/29/2004 Notes: VOC readings Deep SVE Wo Formula provi and Treatmer Mair = Qair x	s taken be ells Close ided by El nt System: Cair x <u>0.0</u> ft.3	170 fore vapc d on 12/1 PA in the s" publica 283 m3 x 3	172.5 or phase carbon o 0/03 Per OSC's R "Elements for Effection. 	ff-gas treatment. Request <i>ective Management o</i>	f Operating F	0.7 Total	10.5 148.7		
4/29/2004 Notes: VOC reading: Deep SVE Wa Formula provi and Treatmer Mair = Qair x	s taken be ells Close ided by El nt Systems Cair x <u>0.0</u> ft.3	170 fore vapc d on 12/1 PA in the s" publica 283 m3 x 3	172.5 or phase carbon o 0/03 Per OSC's R " <i>Elements for Effe</i> tion. 1440 min. x <u>2.2 II</u> 1	ff-gas treatment. Request <i>active Management o</i>	f Operating F	0.7 Total	10.5 148.7		
4/29/2004 Notes: VOC readings Deep SVE W Formula provi and Treatmer Mair = Qair x	s taken be ells Close ided by El nt Systems Cair x <u>0.0</u> ft.3 = <u>Conc (p</u>	fore vapc d on 12/1 PA in the s" publica 283 m3 x 3 <u>pmv) x 1</u>	172.5 or phase carbon o 0/03 Per OSC's R "Elements for Effection. <u>1440 min. x 2.2 II</u> day1 <u>mole air x 1000 L</u>	ff-gas treatment. Request <i>ective Management o</i> <u>bs.</u> 000000 mg	f Operating F	0.7 Total	10.5 148.7		
4/29/2004 Notes: VOC readings Deep SVE W Formula provi and Treatmer Mair = Qair x Cair (mg/m3)	$\frac{16}{16}$ s taken be ells Close ided by El nt Systems Cair x <u>0.0</u> ft.3 = <u>Conc (p</u> <u>1E+06</u>	fore vapc d on 12/1 PA in the s" publica 283 m3 x 3 	172.5 or phase carbon o 0/03 Per OSC's R "Elements for Effection. <u>1440 min. x 2.2 II</u> day1 <u>mole air x 1000 L</u> 24.1 L3	ff-gas treatment. Request <i>ective Management o</i> <u>bs.</u> 000000 mg <u>x 1000 mg</u> x MWx g	f Operating F	0.7 Total	10.5 148.7		

(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

	Flow Rate					VOC		
Date	# of Days	(cfm)	Avg (cfm)	Concentration (ppm)	Average (ppm)	Discharge Rate (Ibs/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. Mair = Qair x Cair x 0.0283 m3 x 1440 min\_x 2.2 lbs

	<u>U.U203 III3 X 14</u>	<u>40 mm.</u> X <u>Z.Z.</u>	<u>ius</u> .
ft.	.3	day	1000000 mg

	 _	 	_	

Cair (mg/m3) =  $\underline{Conc}$  (ppmv) x  $\underline{1}$  mole air x  $\underline{1000 L}$  x  $\underline{1000 mg}$  x MWx 1E+06 24.1 L m3 g

Notes:

Mair = mass loading, removal rate in air (lbs/day)

Qair = flow rate in air (cfm)

Cair = contaminant concentration (mg/m3)

MWx = 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 RATESSTANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE250 CFM SVE SYSTEMSeptember 2003 - August 2005

	a de la composición d	Flow Rate							
Date	# of			Concentration	Average	Discharge Rate	Total Discharge		
	Days	(cfm)	Avg (cfm)	(ppm)	(ppm)	(lbs/day)	(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		
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.         Mair = Qair x Cair x 0.0283 m3 x 1440 min. x 2.2 lbs. ft.3       day									
Cair (mg/m3)	= <u>Conc (p</u>	<u>^ (vmqo</u>	<u>I mole air x 1000 L</u>	x <u>1000 mg</u> x MWx					
	1 <u>E</u> +06		<u>24.1 L m3</u>	<u>g</u>					
Notes: Mair = mass loading, removal rate in air (lbs/day) Qair = flow rate in air (cfm) Cair = contaminant concentration (mg/m3) MWx = 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



S. S. Sales

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PARANE





INFLUENT PCE CONCENTRATION (ppm)

Appendix A

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Daily Quality Control Reports (DQCRs)

		DAILY	QUALITY	CONTR	OL REPOR	Γ	
Site Name ar	nd Location: St	tanton Cleane	ers Site (LTRA	) – Great I	Neck, NY		
Client: ECC         Contract No: 5442-001-001							
Contractor: Earth Tech, Inc.							
Address:	7870 Villa F	Park Drive, Si	uite 400				
	Richmond,	Virginia 2322	28				
Phone No.:	(804) 515-8.	300					
Date: 8/2/05				Earth I	ech Project No	).: 70536	
Day	8				<b>I</b>		<u> </u>
weather							
Temp.							
Wind			0-3 MPH				
Humidity		[	<u> </u>				
Earth Tech P	ersonnel On-S	ite: Rob Der	rick, Frank IV.	lanaiski			
	<u>(' 1 1</u>	0	*1. *1*4* <b>NT</b> / A				
Subcontracto	or (include nam	ies & respons	sibilities): IN/A				
Contract Mat	erials and Equ	inment on sit	e Ford Evolo	rer Veloo	i-Cale PID FI	n	
and general	hand tools	inplitent on sh	c. r <u>oru</u> Explu		<u>i-Caic, I ID, F</u>	<b>D</b>	
and general							
Work Perform	med (include s	ampling: list	hy NAS numb	er if annlic	able).		
Ri-weekly ai	r monitoring	of SVF wells	sub slabs (er	(cent D)	ir strinner and	the influent	
and system i	ising PID and	VelociCalc	<u>Sub Slab D v</u>	as blocke	d by a truck		
and system (		· · · · · · · · · · · · · · · · · · ·		as broche	a by a tracin		
Quality Cont	rol Activities (	including fie	Id calibrations	: Calibrat	ed PID		
Quality cont				<u> </u>			
Health and S	afety Levels an	nd Activities:	Level D				
Problems End	countered/Cor	rection Action	n Taken: N/A				
Explain Deve	elopments Lea	ding to Chan	ge in SOW or 1	Finding of	Fact: N/A		
Preparatory I	nspection (list	all inspection	<u>is by subject a</u>	nd specific	ation location; a	uttach minutes	of meeting and
list of all atte	ndees): N/A						
	· · · · · · · ·						
Have all requ	ured submittal	s and sample	s of construction	on been app	proved? Yes		
Do the motor	iolo and aquint	mont to ho up	ad conform to	the ophimit	talo? Van		
Do the materials and equipment to be used conform to the submittals? Yes							
Has all prelin	ninary work be	een inspected	, tested, and co	mpleted?	Yes		
Test required	and inspection	n techniques	to be executed	to prove co	ontract complian	nce (include b	oth expected and
actual results	): N/A					·	-
						_	

	DAILY QUALITY CONTROL REPORT
Site Name and	d 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 h	azard analysis been performed? Included in the Site Specific Health & Safety Plan
Comments an	d deficiencies noted and corrective actions taken: Explained in work performed section.
Initial Inspect	ion: List all inspections by subject and specification location. Comment and/or deficiencies noted
and corrective	actions taken
Explained in v	vork performed section.
<u>Apiumeu in (</u>	
Follow-up Ins	spection: List all inspections by subject and specification location. Comment and/or deficiencies
noted and cor	rective actions taken.
Special Notes	
Air monitori	ng not done for Sub-slab D (blocked by vehicle)
Tomorrow's E	Expectations:
Weekly O&N	A Inspection
ļ	
By: Robert De	errickTitle: Environmental Scientist
Signature:	(Quality Control Representative/Manager)
I ne above rep	bort is complete and correct. All materials and equipment used and all work performed during this
Signature	od are in compliance with the contract specifications and submittals, except as noted above.
Signature:	(Contractor's Authorized Representative)

	DAILY QUALITY CONTROL REPORT							
Site Name an	d Location: S	Stanton Cleane	ers Site (LTRA)	) – Great N	eck, NY			
Client: ECC	Client: ECC Contract No: 5442-001-001							
Contractor: Earth Tech, Inc.								
Address:	7870 Villa	Park Drive, Su	ite 400					
	Richmond,	Virginia 2322	8					
Phone No.:	(804) 515-8	3300						
Date: 8/9/05				Earth To	ech Project No	<b>.:</b> 70536		
Day	S	M	Т	W	Τ	F	S	
Weather			CLOUDY					
Temp.			75°					
Wind			5-10 MPH					
Humidity			69					
Earth Tech P	ersonnel On-	Site: Frank M	lahalski, Jame	s Kearns				
Subcontracto	r (include na	mes & respons	ibilities): N/A					
Contract Mat	erials and Ea	uipment on sit	e: Ford Explo	rer. Veloci	-Calc. PID. FI	D		
and general	hand tools.		<u> </u>					
und general								
Work Perform	ned (include	sampling: list	by NAS numbe	er if annlica				
Ri-weekly ai	r monitoring	of SVF wells	sub slabs (ev	cent D) ai	r stripper and	the influent		
and system r	sing PID an	d VelociCalc	<u>Sub Slab D w</u>	as blocked	by a truck			
and system t		u velocicale.		as biocheu	l by a truck.			
Quality Contr	rol Activities	(including fie)	d calibrations)	Calibrate	d PID	·		
Quanty Cont	tor retry mes	(including ne	ia canorations)					
Health and Se	afety Levels	and Activities:	Level D					
Problems End	countered/Co	rrection Action	$\frac{Dever D}{N/A}$	•				
		Incetion Action						
Explain Deve	lonments Le	ading to Chang	ve in SOW or F	inding of F	Fact: N/A			
Preparatory I	nspection (lis	t all inspection	s by subject ar	d specifica	tion location: a	ttach minutes	of meeting and	
list of all atte	ndees): $N/A$	e un mopoetion	<u>15 09_5405001 41</u>		alon looution, u	intuoli minutos		
Have all required submittals and samples of construction been approved? Ves								
Trave an required submittals and samples of constituenon been approved? Tes								
Do the mater	ials and equir	ment to be use	ed conform to t	he submitta	als? Yes			
To the materials and equipment to be used contorni to the submittais: res								
·								
Has all prelin	ninary work b	been inspected	, tested, and co	mpleted? Y	es			
<u></u>								

	DAILY QUALITY CONTROL REPORT
Site Name and	d 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 actual results)	and inspection techniques to be executed to prove contract compliance (include both expected and : N/A
Has a phase h	azard analysis been performed? Included in the Site Specific Health & Safety Plan
Comments an	d deficiencies noted and corrective actions taken: Explained in work performed section.
Initial Inspect and corrective	ion: List all inspections by subject and specification location. Comment and/or deficiencies noted e actions taken.
Explained in v	vork performed section.
Follow-up Ins noted and corr	spection: List all inspections by subject and specification location. Comment and/or deficiencies rective actions taken.
Special Notes	
Air monitori	ng not done for Sub-slab D (blocked by vehicle)
AII IIIUIIIUIII	
Tomorrow's E	Expectations:
Weekly O&N	A Inspection
<u> </u>	
By: Frank Ma	halski Title: Environmental Scientist
Signature:	(Quality Control Representative/Manager)
The above rep	port is complete and correct. All materials and equipment used and all work performed during this
reporting perio	ou are in compliance with the contract spectrications and submittans, except as noted above.

.

		DAILY	QUALITY	CONTR	OL REPORT			
Site Name an	d Location: St	tanton Cleaner	s Site (LTRA)	) – Great ]	Neck, NY			
Client: ECC				Contrac	t No: 5442-001-	001		
Contractor:	Contractor: Earth Tech, Inc.							
Address: 7870 Villa Park Drive, Suite 400								
Richmond, Virginia 23228								
Phone No.: (804) 515-8300								
Date: 8/16/05	5	Earth Tech Project No.: 70536						
Day	S		T	W	T	F	<u> </u>	
Weather		CLOUDY	 					
Temp.	_	70°						
Wind		NONE						
Humidity		60%						
Earth Tech P	ersonnel On-S	ite: Rob Der	rick, Frank N	lahalski				
Subcontracto	r (include nam	nes & responsi	bilities): N/A					
Contract Mat	erials and Equ	ipment on site	: Horiba, vial	ls, cooler				
Work Perform	ned (include s	ampling: list b	y NAS numbe	er if applic	cable):			
Monthly sys	tem sampling	(influent, eff	uent, EPA-E	XT-4R, E	PA-EXT-2R, T	rip Blank)		
Weekly syste	em monitorin	g				_ <b>_</b> /		
Ouality Cont	rol Activities (	including field	1 calibrations)	calibrat	ed Horiba			
		<u> </u>	2					
			······					
Health and Sa	afety Levels an	nd Activities: 1	Level D					
Problems End	countered/Cor	rection Action	Taken: N/A					
Explain Deve	elopments Lea	ding to Change	e in SOW or F	inding of	Fact: N/A			
Preparatory I	nspection (list	all inspections	s by subject an	d specific	ation location; a	ttach minutes	of meeting and	
list of all atte	ndees): N/A							
	^							
Have all requ	ired submittal	s and samples	of constructio	n been ap	proved? Yes			
Do the mater	ials and equip	ment to be use	d conform to t	he submit	tals? Yes			
	·							
Has all prelin	<u>ninary work be</u>	een inspected,	tested, and con	mpleted?	Yes			
Test required actual results	and inspection ): N/A	n techniques to	be executed t	to prove c	ontract complian	ce (include b	ooth expected and	

	DAILY QUALITY CONTROL REPORT
Site Name an	nd 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	5 Earth Tech Project No.: 70536
Has a phase h	nazard analysis been performed? Included in the Site Specific Health & Safety Plan
Comments an	id deficiencies noted and corrective actions taken: Explained in work performed section.
	tion. List all importions has applied and apprecification heading. Compared and/or deficiencies acts
initial inspect	tion: List all inspections by subject and specification location. Comment and/or deficiencies note
Explained in x	work performed section
Explained in v	
Follow-up Ins	spection: List all inspections by subject and specification location. Comment and/or deficiencies
noted and cor	rective actions taken
Special Notes	s: System was shut down over the weekend probably due to short power outage. It was
restarted aro	bund 8AM.
Tomorrow's I	Expectations:
Weekly syste	em monitoring
Bi-weekly air	monitoring
By: Rob Derr	rickTitle: Environmental Scientist
Signature:	(Quality Control Representative/Manager)
The above rep	port is complete and correct. All materials and equipment used and all work performed during this
reporting peri-	iod are in compliance with the contract specifications and submittals, except as noted above.
Signature:	(Contractor's Authorized Representative)

		DAILY	<b>QUALITY</b>	CONTROI	REPORT			
Site Name an	d Location: St	anton Cleaner	s Site (LTRA)	-Great Nec	k, NY			
Client: ECC				Contract N	o: 5442-001-0	01		
Contractor:	Earth Tech,	Inc.	_					
Address:	Address: 7870 Villa Park Drive, Suite 400							
	Richmond, V	Virginia 23228	3					
Phone No.: (804) 515-8300								
Date: 8/24/05		r <del>-</del>		Earth Tec	h Project No.:	70536		
Day	<u>S</u>	<u>M</u>	T	W	<u>T</u>	<b>F</b>	<u> </u>	
Weather				SUNNY				
Temp.				85°				
Wind				10-15				
Humidity			 	_50%				
Earth Tech P	ersonnel On-S	ite: Rob Deri	rick					
Subcontractor	r (include nam	es & responsi	bilities): <b>N/A</b>					
				~ -				
Contract Mat	erials and Equ	ipment on site	: PID, Veloci	Cale, pump,	<u>F-150</u>			
Work Perform	ned (include s	ampling; list b	y NAS numbe	r if applicabl	e):			
Bi-weekly an	r monitoring							
weekly syste	m monitorin	<u>y</u>	1 1°1 4°	Course a la course	Phase 4 a DTD			
Quality Conti	rol Activities (	including field	i calibrations):	iresn-air ca	Inbrated PID	<u>-</u>		
Health and Sc	faty Lavals ar	d Activities:	aval D					
Problems End	countered/Cor	rection Action	Taken: N/A					
		cetion Action	Taken. IVA					
Explain Deve	lopments Lead	ding to Change	e in SOW or F	inding of Fac	et: N/A			
Preparatory I	nspection (list	all inspections	s by subject an	d specificatio	on location: att	ach minutes of	f meeting and	
list of all atter	ndees): N/A				,			
Have all requ	ired submittal	s and samples	of construction	n been appro	ved? Yes			
		<b>t</b>						
Do the materi	ials and equipr	nent to be use	d conform to t	he submittals	? Yes			
Has all prelin	ninary work be	en inspected,	tested, and cor	npleted? Yes	<b>i</b>			
T ( 1	1			<u> </u>	1.	<u> </u>		
Test required	and inspection	techniques to	be executed t	o prove cont	ract complianc	e (include both	n expected and	
actual results	): 1N/A							

.

	DAILY QUALITY CONTROL REPORT
Site Name and	d 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 h	azard analysis been performed? Included in the Site Specific Health & Safety Plan
Comments on	d deficiencies noted and corrective actions taken: Explained in work performed section
	d denciencies noted and corrective actions taken. Explained in work performed section.
Initial Inspect	ion: List all inspections by subject and specification location. Comment and/or deficiencies noted
and corrective	e actions taken.
Explained in v	vork performed section.
Follow-up Ins	pection: List all inspections by subject and specification location. Comment and/or deficiencies
noted and corr	rective actions taken.
Special Notes	: none
Tomorrow's H	Expectations:
Weekly syste	m monitoring
Bi-weekly air	monitoring
By: Rob Derri	Itle: Environmental Scientist
Signature:	(Quality Control Representative/Manager)
The above rer	port is complete and correct. All materials and equipment used and all work performed during this
reporting perio	of are in compliance with the contract specifications and submittals, except as noted above
Signature:	(Contractor's Authorized Representative)

		DAILY (	<b>UALITY</b>	CONTRO	L REPORT		
Site Name ar	nd Location: S	tanton Cleaner	s Site (LTRA)	– Great Ne	ck, NY		
Client: ECC Contract No: 5442-001-001							
Contractor:	Contractor: Earth Tech, Inc.						
Address:	7870 Villa I	Park Drive, Sui	ite 400				
	Richmond,	Virginia 23228	3				
Phone No.:	Phone No.: (804) 515-8300						
Date: 8/29/05	5		·	Earth Te	ch Project No.	.:_70536	
Day	<u> </u>	<u>M</u>	T	W	T	F	S
Weather		CLOUDY		 			
Temp.		82°					
Wind		NONE					
Humidity				L			
Earth Tech P	ersonnel On-S	ite: James K	earns, Frank	<u>Mahalski, I</u>	Rob Derrick, 1	Leslee Alexan	<u>der,</u>
Russ Reyno	<u>lds, Todd Pla</u>	ting					
Subcontracto	r (include nan	nes & responsi	bilities): N/A				
Contract Mat	erials and Equ	ipment on site	: PID, Veloci	Calc, pump	, F-150, Ford	Explorer, Mi	ni-vans(2),
Water samp	ling supplies(	Grundfos pur	nps, gloves, b	ottles, vials	etc.)		
Work Perform	ned (include s	ampling; list b	y NAS numbe	r if applicat	ole):		
Weekly O&	M; Water sa	mpling		_			
Quality Control Activities (including field calibrations):							
Health and Sa	afety Levels a	nd Activities: 1	Level D				
Problems End	countered/Cor	rection Action	Taken: N/A				
		· <u> </u>					
Explain Deve	lopments Lea	ding to Change	e in SOW or F	inding of Fa	act: N/A		
Preparatory I	nspection (list	all inspections	s by subject an	d specificat	ion location; at	tach minutes of	of meeting and
list of all atte	ndees): N/A						
Have all requ	ired submittal	s and samples	of construction	n been appro	oved? Yes		
De dhe de la			1 <b>C</b>				
Do the mater	ais and equip	ment to be use	a contorm to the	ne submitta	IS ? Y es	<u> </u>	
				<u> </u>			
Hac all malin	ningry work h	an inspected	tested and cor	nnleted? V			
	mary work D	con inspected,					
Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): <b>N</b> / <b>A</b>							

[	DAILY OUALITY (	CONTROL REPORT
Site Name an	d 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 h	azard analysis been performed? Included	in the Site Specific Health & Safety Plan
Comments an	d deficiencies noted and corrective actions	staken: Explained in work performed section.
	ion. List all increations has asking the standard	adification location. Comment and/on definition is a stat
Initial Inspect	ion: List all inspections by subject and spe	ecification location. Comment and/or deficiencies noted
Explained in x	vork performed section	
Explained in v	vork perior med section.	
Follow-up Ins	spection: List all inspections by subject an	d specification location. Comment and/or deficiencies
noted and cor	rective actions taken.	
Special Notes	: none	
Tomorrow's I	Expectations:	
Continuation	of water sampling; cleaning equipment	
By: Frank Ma	halski Iitle: En	vironmental Scientist
Signature:	(Quality Control Repres	sentative/lvianager)
The above rer	ort is complete and correct. All metericle	and aquinment used and all work performed during this
reporting peri	of is complete and correct. All materials	and equipment used and an work performed during this cifications 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

A. Is any part of the system leaking? If so, list where	YES √NO		
B. Is there water on the floor? $\sqrt{\text{YES}}$ If so, list where.	NO		
A little water on the floor near the a	ir stripper.		
C. Are all three (3) floor sump level switch	es in place? $$	YES	NO
D. Is there any evidence of water in any of	these floor sumps?	YES	√NC

Note: If water is present, remove with shop vac or paper towels.

1.

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 <sup>1</sup>	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	100,984,9	936 Gal
16. SVE inlet vacuum	4	"Hg

<sup>&</sup>lt;sup>1</sup> 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	<b>deg.</b> 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 <u>STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE 0&M Manual.</u>

Notes:

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

If so, list where.	in the neer.	VIL5	NU		
Near aqueo	ous carbon ves	sels.			

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.

1. Recovery Well EPA-EXT-02 flow <sup>1</sup>	19 GPN	А
2. Recovery Well EPA-EXT-02 valve open	100	_%
3. Recovery Well EPA-EXT-4R flow	37GPM	
4. Recovery Well EPA-EXT-4R valve open	4040	%
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

<sup>&</sup>lt;sup>1</sup> 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	m the treatment room, monitor and record the f	ollowing.	
	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 <u>STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE 0&M Manual.</u>

Notes:

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

A. Is any part of the system leaking? If so, list where	YES	√NO			
B. Is there water on the floor? $\sqrt{YES}$ If so, list where. Some at base of air stripper.	NO				
C. Are all three (3) floor sump level switch	nes in pla	ice?	√YES		NO
D. Is there any evidence of water in any of	f these flo	oor sumps?		YES	√NC

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.

1. Recovery Well EPA-EXT-02 flow <sup>1</sup>	19 GPM	1
2. Recovery Well EPA-EXT-02 valve open	100	_%
3. Recovery Well EPA-EXT-4R flow	38GPM	
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	рH
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

 $<sup>^{1}</sup>$  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 0&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 $\sqrt{NO}$ If so, list where	
	B. Is there water on the floor? YES $\sqrt{NO}$ If so, list where.	
	C. Are all three (3) floor sump level switches in place? $\sqrt{YES}$	NO
	D. Is there any evidence of water in any of these floor sumps? YES Note: If water is present, remove with shop vac or paper towels.	√NO

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	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	рН
14. Discharge flow	60	GPM
15. Discharge total gallons	_102870783	_Gal
16. SVE inlet vacuum	4	"Hg
19. SVE air flow	75	CFM

<sup>&</sup>lt;sup>1</sup> 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	рН
11. SVE inlet vacuum (digital readout)	2.2	"Нg
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 <u>STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE 0&M Manual.</u>

Notes:

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

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

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 <sup>1</sup>	19	GPM
2. Recovery Well EPA-EXT-02 valve open	100	%
3. Recovery Well EPA-EXT-4R flow	360	SPM
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

<sup>&</sup>lt;sup>1</sup> 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_	рН
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 <u>STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE 0&M Manual.</u>

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Notes:

Appendix C

Groundwater Treatment System Downloaded Operational Data

Stanton C	leaners Gro	undwater C	ontaminatio	on Site - A	August 20	05 - Site Opera	tion Data								
	Recovery Well I	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	рН				
8/1/2005/0/00	19	n	36	69	1136	155	55	117	68	2.5	78	100871033.5	137	11.14	76
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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	TCL-VOAs	Aqueous	EPA-EXT-02	EPA-EXT-02
DESA LAB Building 209 MS-230		Groundwater	EPA-EXT-4R	EPA-EXT-4R
2890			INFLUENT	Influent
Edison, N.J. 08837			EFFLUENT	Effluent
			ТВ	Trip Blank
			EFFLUENT-	Duplicate of
			A	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)

€EP/	USEPA C Organic	Contract Traffic	t Laboratory Report & Ch	Program ain of Cust	tody Rec	ord		Case No DAS No:	•	R
Region: Project Code: Account Code: CERCLIS ID: Spill ID: Site Name/Stat Project Leader Action: Sampling Co:	2 NYD047650 02LH te: Stanton Cle James Kea Operations Earth Tech	C197 caners Area rms and Mainter	Groundwater Contai nance	Date Shipped: Carrier Name: Airbill: Shipped to:	8/15/2005 FedEx 8516115514 USEPA Reg Lab Building 209 2890 Woodb Edison NJ 0 (732) 906-68	79 ion 11 DESA , MS-230 vridge Avenue 8837 86	Chain of Custody R Relinquished By 1 Just 120 2 3 4	ecord (Date / Time 왕ー15 - ジラ / 11	Sampler Signature: A Received By CCAM	(Date / Time)
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG	No./ VE/ Bottles	STATION	SAMPLE C	DILECT IME	INORGANIC SAMPLE No.	QC Type
EFFLUENT-A	Ground Water/ Robert Derrick	ĹſĠ	VOA (14)	(HCL) (3)		Effluent-A	St 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		
ТВ	Field QC/ Robert Derrick	L/G	VOA (14)	(HCL) (3)		Trip Blank	S: 8/15/2005	8:25		Trip Blank

Shipmant 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 Volati	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment (ced?
TR Number:	2-411563104-080805-0001 sulls. Requests for preliminary results will increase analytical	costs	

# 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

F2V51.045 Page 1 of 1

€EPA	USEPA Co Organic T	ntraci raffic	: Laboratory I Report & Cha	Program in of Custody Re	cord		Case I DAS No SDG No:	No:	L
Date Shipped: Carrier Name: Airbill: Shipped to:	8/15/2005 FedEx 851611551479 USEPA Region II I Lab Building 209, MS-2 2890 Woodbridge Edison NJ 08837 (732) 906-6886	DESA 230 Avenue	Chain of Custod Relinquished By 1 fb fb fb 2 3 4	y Record (Date / Time) ダーバラーンド))バーロンオル	Sampler Signature: LAT L Received By	(Date / Time)	For La Lab Cont Unit Pric Transfer Lab Cont Unit Pric	b Use Only tract No: c: To: tract No: e:	
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLL DATE/TIME	ect :	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
EFFLUENT-A	Ground Water/ Robert Derrick	Ĺ/G	VOA (14)	(HCL) (3)	Effluent-A	S: 8/15/2005	8:56	<u>din Altraitices Anno</u>	, 88.26.13 (R. 1997) (R. 1997) (R. 1997)
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		
ТВ	Field QC/ Robert Derrick	L/G	VOA (14)	(HCL) (3)	Trip Blank	S: 8/15/2005	8:25		

Shipment for Case	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Numb	ber:		
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TR Number: 2-411563104-080805-0001
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Send Copy to: Sample Management Office. 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

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€EP/	USEPA C Organic	ontract Traffic	t Laboratory Report & Ch	Program ain of Cus	tody Rec	ord		Case DAS N	<b>No:</b> o:		R
Region: Project Code: Account Code: CERCLIS ID: Spill ID: Site Name/State Project Leader: Action: Sampling Co:	2 NYD047650 02LH #: Stanton Cle James Kear Operations Earth Tech	197 aners Area ms and Mainter	Groundwater Containance	Date Shipped: Carrier Name: Airbill: Shipped to:	8/15/2005 FedEx 8516115514' USEPA Regi Lab Building 209 2890 Woodb Edison NJ 04 (732) 906-68	79 ion II DESA MS-230 rridge Avenue 8837 86	Chain of Custor Relinquished By 1 / 2	(Date /	Time) 7 / //. «OAM	Sampler Signature: FUM Received By	(Date / Time)
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC: TYPE	ANALYSIS! TURNAROUND	TAC PRESERVA	No./ TIVE/ Bottles	STATION LOCATION	SAM	PLE COLLECT DATE/TIME	INOR	GANIC LE No.	QС Туре
EFFLUENT	Ground Water/ Robert Derrick	L/G	VOA (14)	(HCL) (3)		Effluent	S: 8/15/200	5 8:58			

TR Number:	2-411563104-080905-0001		
VOA = CLP TCL Volat	les		
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?
Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:

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

F2V5.1.045 Page 1 of 1

SEPA USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record							Case DAS No SDG No	<b>No:</b> 5: :	L
Date Shipped:	8/15/2005	_	Chain of Custody	/ Record	Sampler Signature: MtH	$\rho$	For La	b Use Only	
Carrier Name:	FedEx		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Cor	itract No:	
Shipped to:	USEPA Region II	DESA	1 Rittik	8-15-05/11:00AA	1		Unit Pric	ce:	
	Lab Building 209, MS-3	230	2				Transfe	r To:	
	2890 Woodbridge	Avenue	3				Lab Cor	ntract No:	
	(732) 906-6886		4				Unit Prie	ce:	
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No <i>J</i> PRESERVATIVE/ Bottles	STATION	SAMPLE COLL DATE/TIME	ECT	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?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Nu	mber:
Analysis Key: VOA = CLP TCL Volati	Concentration: L = Low. M = Low/Medium, H = High les	Type/Designate: Composite ≈ C, Grab = G		Custody Seal Intact?	_ Shipment Iced?
TR Number: PR provides preliminary re Send Copy to: Sample M	2-411563104-080905-0001 sults. Requests for preliminary results will increase analy anaoement Office, 2000 Edmund Halley Dr., Reston	rtical costs. VA. 20191-3400 Phone 703/264-9348 Fax 703/264-	9222		F2V5.1.045 Page 1 of 1

Appendix B

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

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FecEx. US Airbill	MS 851611551479
From President And Date 8-15-05 Sendor's FedEx Account Number	2374-4259-8
Sender's James Kearns	Phone (804) 283-5921
company Earth Tech, I	- <u>n(</u> ,
Address 110 Cutter Mil	Rd.
cny Great Neck	State NY ZIP 11021
Your Internal Billing Reference 544	1001
To Recipients Sample Curtod, Name	an Phone (732, 906-6886
Company USEPH Argion I	DESA Lab
Recipient's Building 209	ms 230
Address 3,890 Wood br	dye Avenue
Tarequests a partage to held at a specific helds lecible, print Feder address the City EASSON	Siate NJ ZIP 08837

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FedEx 20ay FedEx Express Saver
4b Express Freight Service Packages aver 150 lbs.
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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.	o DO	TEMP.	SALINITY
EPA-EXT-02	1	6.35	0.735	107	11.7	16.6	0
EPA-EXT-4R	1.5	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 DerrickComments:Water samples collectedRob Derrickby:Rob DerrickWater 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/Ethane, TOC, Alkalinity, Nitrate, Sulfate, Sulfate, 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/Ethane/Ethane, 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/Ethane, 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 was 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.

<u>Attachment A</u>

August 29 – September 1, 2005 Sampling Event

## Stanton Cleaners Area Groundwater Contamination Site

CLP Sample Numbers and Collect	tion Points for	Monitoring	Well sampling	Event
- (	(August 2005)			

MONITORING	CLP SAMPLE	DATE	COMMENTS
	#		
EPA-MW-33	B36W4	8/29/05	
EPA-WW-IID	B30A2	8/29/03	
EPA-MW-TID-A	B3/10 D2())/2	8/29/03	FIELD DUPLICATE
EFA-WW-52	D30W3	8/29/03	
CL 4D	B30W2	8/30/03	
CL-4D	D26W5	8/30/03	
ST MW 19	D3670	8/30/05	
CL 1D	B36W0	8/30/05	
CL-ID CL-IS	B36Y8	8/30/05	
EPA_MW_20	B36X0	8/30/05	
CL-3	B36W7	8/30/05	
ST-MW-11	B36V4	8/30/05	
ST-MW-11	B36X6	8/31/05	
ST-MW-12	B36X5	8/31/05	
ST-MW-20	B36X1	8/31/05	
ST-MW-19	B367.1	8/31/05	
FPA-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	
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	
an fa se fer en ante l'anne estado factor (an en an estado estado estado estado estado estado estado estado est	រីវិតប្រាំបារចារ	Balls, EdgloBank	and In The Blanks,
Menander aller	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
	B36Z6	9/01/05	TRIP BLANK
FB-4	B3701	9/01/05	FIELD BLANK
EB-4	B3706	9/01/05	EOUIPMENT BLANK

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### Attachment B

August 29 – September 1, 2005 Sampling Event

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<b>⊛EP</b> ∕	USEPA C Generic	ontra Chain	ct Laboratory of Custody	Program				Reference C Client No:	ase: 34578	F	र
Region; Project Code; Account Code; CERCLIS ID; Bylli ID; Bite Name/Bidd Project Leader; Action; Sempling Co;	2 NYD047650 O2LH Stenton Cle Lesiee Alex Operations Earth Tech	)197 Saners Ara Render and Main	ea Groundwater Contai tenance	Date Shipped: Carrier Name: Airuili: Shipped to:	8/29/2005 FedEx 651113789558 USEPA Region Lab Bullding 209, M 2890 Woodbrid Edison NJ 0883 (732) 906-8886	li DESA S-230 ge Avenue 7	Chain of Custody Re Relinquished By 1 <i>Mucu Mm</i> 2 3 4	econd (Date / Time) Slaglos (Sl	Sampier Signature: Received By 00	Jen M Jim (Date / Time	
SAMPLE No.	MATRIX/ SAMPLER	CONC/	ANALYSIS/ TURNAROUND	TAG PRESERVAT	No./ IVE/Bottles	STATION LOCATION	SAMPLE CO DATE/T	NLECT ME		СС Туре	
EPA-MW-11D	Monitor Well/ Loslee Alexander	L/G	Alkalinity (14), NO3 (14), 5- (14), 8O4/Ci (14), TOC (14)	(ZINC Acetates Hyronide) (C)	Story see N.	EPA-MW-110	S: 8/29/2005	4:00		Spike	
EPA-MW-32	Monitor Well Russ Reynolds	L <b>/G</b>	Alkalinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(100 00 00 00)	see wore	EPA-MW-32	S 8/29/2005	16.12			
EPA-MW-33	Monitor Well/ Russ Reyno <b>ids</b>	L/G	Aikalinity (14), NO3 (14), S- (14), SO4/Cł (14), TOC (14)	(ICE ONTITA)	sec not	EPA-MW-33	S: 8/29/2005	14:20		-	

The following are the requested analyses, # of bottles for analyses and preservative. Alkalinity I unpreserved Sulfide 2 zinc responsed Zinc excepte and Johan Hydros Sulfate Chloride Unprejured Sulfaric acid Shipment for Care Additional Sampler Signature(s): Chain of Custody Seal Number: Sample(e) to be used for japot Sorry QC:

Complete? N	FR MULLIP & Bs/000		
Analysis Key:	Concentration: L ⇔ Low, M ⊨ Low/Medium, H = High	Type/Designate: Composite ≑ C, Grab ≂ G	Shipment iced?
Aikalinity = Aikalinity, NO	03 = Nitrale, 8- = Sulfide, SO4/CI = Sultate/Chloride, TOC =	Total Organic Uarbon	

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

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	SEPA Contraci meric Chain c	tt Laboratory Prog of Custody	Jram			<b>deference Case 345</b> itent No: DG No:	78
Carrior Name: 8/21/2 Carrior Name: FedE: Arribili: 85111 Shippod Lo: USEP Buildi 2000/ 2001/ 2201/	2005 3780568 A Rozion II DESA 19 209, MS-230 10.08837 1 NJ 08837 306-8806	Chain of Custody Red Radinaulahed By 1 ftan Mana 3 3	Dored Sam (Date / Time) Sign (Date / Time) Rec () / T / o / J & ()	alues for for	(Date / Times)	Price Could be Could for the Could be c	
SAMPLE No. 9	AATRIX/ CONC/ AMPLER TYPE		TAG No/ REGERVATIVE' BOHIGO	STATION LOCATION			FOR LAB USE ONLY Semple Condition On Receipt
EPA-MW-11D Mon Less EPA-MW-32 Mer Rus EPA-MW-33 Mor Rus	lifor Weily L/G 199 Alexander L/G irior Weil/ L/G is Reynoids L/G \$ Reynoids	Akainihy (14), NO3 (244 (14), S (14), SO4(CI Hydr (14), TOC (14) Akainiy (14), NO3 (167 (14), SC (14), NO3 (167 (14), SC (14), NO3 (167 (14), SC (14), NO3 (166 (14), SC (14), NO3 (166 (14), SC (14), NO3 (166	any all See wat	EFA-MW-11D EFA-MW-22 EFA-MW-33	8: 8/29/2005 5: 8/29/2005 8: 8/29/2003	4:00 15:15 4:20	
A The and	following preserv	vare the	requertes	ed anali	H of E	of bothles witter	fur qualyse
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Shipmont for Cash Complete 7N	Bempia(a) to the used	Tor Inbaratory DC: ANN	Additional Sampler Eigi	nature(a):	Cooler Temperature Upon Receipt	Chain of Cuntody	Set Number:
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#### 9002/62/8 35 EE-WW-A93 (FOI.) (3) (PL) AOV 9/1 VIEW 101100M PAA965 14:20 Russ Reynolds Monitor Welly (E) (TOH) (PT) AOV 21:91 \$00Z/6Z/9 S EPA-MW-32 Ð/T EMBEB ON ALIMAR Iqieces 40 nutthres elquina 3AMPLE No. BINNIN MIL NOLVOOT ANHOR GVITAVRESERS **CURAROUND** 3 JAS **YELPAMAS** DINADHO ATNO 36 NEVT NOS DINABROW SAMPLE COLLECT NOTIATS TON DYL /SISÅ1₩NV (ONC) VXI/JTA M האור הרוכ<del>ב:</del> Þ 2225-282 (182) IOM TOENINGO deε OBETT XT abnalboow anT Sole enius :of relevent z PROH IRUDWAS AAST affinelos 4A to; peddius :oong jinu t 092027091050 -----CONTRACTING CEL (euil) ( ataci) Vecelved By (emil' \ sted) Relinquished By X3bo7 Cerrier Name: counsel of s VINO SeU del 107 Chain of Custody Record \$120/2002 .baqqirl& əjsü 1.9kgm168 :00 005 Organic Traffic Report & Chain of Custody Record ₿EPA ION BYO USEPA Contract Leboratory Program 34678 CASE NO:


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SAMPLE No.	MATRIX SAMPLER	CONC/ TYPE	ANALYSISI TURNAROUND	TAG	ia./ Mer Bottles	STATON LOCATION	SAMPLE	COLLECT		СС Туре
CL-1D	Monitor Well/ Russ Reynolds	ĽĠ	Alkelinity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(Zine Actient) Hydroxide) (0)	Liss risit	CI -1D	S: 8/30/2005	9:10		
CL-3	Manitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/GI (14), TCC (14)	(Zino Accibican Hydroxide)(5)	Socialia Luc 1958	CL-3	6: 8/30/2005	13:25		
CL-4D	Monitor Weil/ Lesice Aiexander	L/G	Alkalinity (14), NO3 (14), 5- (14), 804/Ci (14), TOC (14)	( <del>100 001)</del> (A)	Sec. rule	CI 40	S: 8/30/2005	11:25		
ÇL-45	Monitor Well Lesies	L/G	Alkalinity (14), NO3 (14), S. (14), SO4/CI (14), TOC (14)	(Ice Only) (E)	see whe	CL-4S	S: 8/30/2005	12:15		
EPA-MW-20	Monitor Well Russ Reynolds	L/G	Alkalinky (14), NO3 (14), S- (14), SO4/CI (14), TOG (14)	(i <del>ce-©ni∯</del> (5) ⊙∂	sue note	EPA-MW-23	S: 6/30/2005	11:30		
EPA-MW-31	Monitor Well/ Laslee Alexander	L/G	Alkainity (14), NO3 (14), S- (14), SO4/CI (14), TOC (14)	(l <del>ca Only<b>) (é</b>)</del>	see note	EPA-MW-31	S: 8/30/2005	9:30		
Analysi	lowiy kre f	4. <i>Γ</i> εγ	withed an alysis,	<u></u>	ili) For Pr <u>Pres</u> <del>Fre</del>	ito enalysis, erutyvo oaly	and prosenu	ndive A	CL-10 and EPIL. presented builder	tor sullide
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Sinplicant for Case Complete? N	Sample	(a) to bo u	and for laboratory QC:	<u> </u>	Additional Sem	pler Signature(a):			Ghain of Custody S	eal Number:
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First Page 1 of 1

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

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lampling Co:	Earth Tech		4105				4					
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6W2	Monitor Well/ Lesiee	L/G	VOA (14)	(HCL) (3)		EPA-MW-31		6: 8/30/2005	9:30		<u> </u>	
BW5	Alexander Monitor Welli Lesiee	L/G	VOA (14)	(HCL) (3)		CL-4S		S: 8/30/2005	12:15			-
5W6	Alexander Monitor Well/ Lesiee	L/G	VOA (14)	(HCL) (3)		CL-4D		S: \$/30/2005	11:25			-
3W7	Alexander Monitor Well/ Russ Reynoids	L/G	VOA (14)	(HCL) (3)		CL-3		S: 8/30/2005	1 <b>3:25</b>			
6W9	Monitor Well/ Russ Reynoids	L/G	VOA (14)	(HCL) (3)		CL-1D		S: 8/30/2005	<b>8</b> :10			**
6X0	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)		EPA-NW-29	•	S: 8/30/2005	11:30			
ðXð	Monitor Wei¥ Russ Reyncids	L/G	VOA (14)	(HCL) (3)		CL-18		8: 8/30/2005	10:05			-
6Y4	Monitor Well/ Russ Reyncids	L/G	VOA (14)	(HCL) (3)		ST-MW-11		S: 5/30/2005	15:20			
6Z0	Monitor Wel/ Lesiae Alexander	L/G	VOA (14)	(HCL) (3)		ST-MW-18		S: 8/30/2005	15:30			
30Z4	Field QC/ Lesiee Alexander	ĽG	VOA (14)	(HCL) (3)		TB-2		5: 8/30/2005	7:00			Trip Blank

Sample(a) to be used for Inboratory QC:	Additional Sampler Signature(a);	Chain of Qustody Beat Number:
Concentration: L = Low, M = Low/Madium, H = High	Type/Dealgnate: Composite = C. Grab = G	Shipmant (cod?
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	Lesies Alex Operations	ander and Mainton	ance		nds TX 77380 277	3							
Sampling Co:	Earth Tech			4				4					
ORGANIC SAMPLE No.	MATRIXI SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG PRESERVA	No./ TIVE/ Bottles	STATION LOCATION		SAMPLEC	OLLECT	INO	RGANIC PLE No.	QC Туре	
3629	Field QC/ Lesiee	ĽG	VOA (14)	(HCL) (3)		F8-2		S: 8/30/2005	8:10		A	Lab QC	
33704	Russ Reynolds	VG	VOA (14)	(HCL) (3)		Equipment Ble	nk-2	S: 8/30/2005	12:00			Rinsate	

Snipment for Case Completa? N	Semple(a) to be used for laboratory QC:	Additional Samplar Signeture(s):	Chain of Custody Seel Number:
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	(281) 292-5277	7380	3			<del>.</del>	Lab Con	tract No:	
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ORGANIC SAMPLE No.	MATRIX SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Botlles	STATION LOCATION	SAMPLECOLL DATE/TIME	ECT I	INORGANIC SAMPLE NO.	FOR LAB USE ONLY Sample Condition On Receipt
B36W2	Monitor Well/ Lesles Alexander	L/G	VOA (14)	(HCL) (3)	EPA-MW-31	S: 8/30/2005	9:30		
B36W5	Monitor Well/ Lesies Alexander	L/G	VOA (14)	(HCL) (3)	CL-4S	S: 8/30/2005	12:15		
B36W6	Monitor Weil/ Lesiee 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		
B36W9	Monitor Weil/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	CL-1D	S: 8/30/2005	9:10		
<b>B36</b> X0	Monitor Well/ Russ Reynolds	VG	VOA (14)	(HCL) (3)	EPA-MW-29	S: 8/30/2005	11:30		
B36X8	Monitor Well/ Russ Reynolds	U/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 Weil/ Lesice Alexander	L/G	VOA (14)	(HCL) (3)	ST-MW-18	S: 8/30/2005	15:30		
B36Z4	Field QC/ Lesiee Alexander	L/G	VOA (14)	(HCL) (3)	TB-2	S: 8/30/2005	7:00		

Shipment for Uste Complete?N	Sample(s) to be used for isboratory QC:	Additional Sampler Signature(a):	Cooler Temperature Upon Recalpt	Ghain of Gustody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal intact? Shipment iced?
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3epa	USEPA Co Organic Ti	ntrac raffic	t Laboratory Report & Ch	Program ain of Custody Re	ecord		Case DAS No SDG No	Case No:         34578           DAS No:         \$DQ No:			
Date Shipped:	8/30/2005		Chain of Custo	dy Record	Sampler Signature:		For La	b Use Only			
Carrier Name:	FedEX 853166420770		Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Cor	itract No:	······································		
Shipped to:	A4 Scientific		1				Unit Pri	;e:			
	1544 Sawdust Road Suite 505	1	2				Transfe	fo:			
	The Woodlands TX (281) 292-5277	77380	3				Lab Cor	tract No:			
			4				Unit Price:				
ORGANIC SAMPLE No.	MATRIX	CONC/ TYPE	ANALYSIS' TURVAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIM	LLECT Æ	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt		
B36Z9	Field QC/ Leslee Alexander	L/G	VOA (14)	(HCL) (3)	FB-2	S: 8/30/2005	8:10		<u></u>		
B3704	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-2	S: 8/30/2005	12:00				

Shipment for Case Complete?N	Semple(e) to be used for laboratory QC:	Additional Sampler Signature(a):	Cooler Temperature Upon Receipt	Chain of Custody Seel Number:
Analysis Key; VQA = CLP TCL Volatile	Concentration: L = Low, M = Low/Medium, H = High IS	Type/Decignate: Composite = C, Grab = G		Custody Seal Intact? Shipment loed 7
TR Number: PR provides pretiminary resident Copy to: Sample Mar	2-500684269-083005-0002 nults. Requests for preliminary results will increase ana agement Office, 2000 Edmund Meley Dr., Reston, V/	Vilcal cests, 20191-3400 Phone 703/264-9348 Fax 703/264-922	2	F205,1.045 Page 2 of 2

€EPA	USEPA Cont Generic Cha	ract in o	Laboratory Pr f Custody	ogram			Reference Case Client No: SDG No:	34578
Date Shipped:	8/30/2005		Chain of Custody	Record	Sampler Signature: )(Doc.)leas_(Jon	rs kinna) Earth Tech	For Lab Use Only	، معنی معنی میں بین میں معنی معنی معنی معنی معنی معنی معنی معنی
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	Edison NJ 08837 (732) 906-6886		4			<u> </u>	Lab Contract No:	<u></u> ,
SAMPLE No.	MATRIX ( SAMPLER	CONCI TYPE	ANALYSIS/ TURNAROUND	TAG Na/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLU DATE/TIME	ECT	FOR LAB USE ONLY Sample Condition On Receipt
CL-1D	Monitor Well/ Russ Reynolds	L/G	Alkalinity (14), NO3 (14), S- (14), SO4/CI	(Zino Acetalos Oudium 5) Hydroxide) (0)	e Note CL-1D	S: 8/30/2005	9:10	
CL-3	Monitor Well/ Russ Reynolds	L/G	(14), 100 (14) Alkalinity (14), NO3 (14), S- (14), SO4/CI	(Zinc Acel 108-Sodium 54 Hydroxide) (5)	e Note CL-3	S: 8/30/2005	13:25	
CL-4D	Monitor Well/ Lesiee Alexander	L/G	(14), 100 (14) Aikalinity (14), NO3 (14), S- (14), SO4/Cl	(100 Onto 5) see wore	CL-4D	S: 8/30/2005	11:25	
CL-4S	Monitor Well/ Lesiee Alexander	L/G	(14), 10C (14) Aikalinity (14), NO3 (14), S- (14), SO4/CI	(ice off) (5) Sec Note	CL-4S	S; 8/30/2005	12;15	
EPA-MW-29	Monitor Well/ Russ Reynolds	LÆ	(14), 10C (14) Alkalinity (14), NO3 (14), S- (14), SO4/Cl	(too of ) (5) see water	EPA-MW-29	S: 8/30/2005	11:30	
EPA-MW-31	Monitor Well/ Lesiee Alexander	L <b>/G</b>	(14), 10C (14) Alkalinity (14), NO3 (14), S- (14), SO4/Cl (14), TOC (14)	(Ito GAIN (B) SCE NOR	EPA-MW-31	S: 8/30/2005	9:30	
	Notes		1.1	. luces # of	bolller for each	analysis, and	preservative.	
	The fallowing	914	the requerter	Aunity ser, haube cit	e Hot	Buttles	presevative	
	116 (0)0000		signal an survey buttle	s <u>hangsi</u>	2 1		Ice Unly	1
	D EPH-MW-SI had	<b>. .</b> 2	B	131NGIONT	ሽ 🚺		L'as Acchate	y sodium Hydroxide
AA LL-30	L-40 (L-45 and	(s pi)	-MN-14 had 1 500	ML Routide	ب		2, inc Acebati	L and Southin Hydroxide
press	rved buttle tor	sult:	de	* & Suikide	Turride		Ice only	nc:A
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Analysis Key:	Concentratio	n; L#	Low, M = Low/Medium, H =	High Type/D	ealgnete; Composite = C, (	Grab ≈ G	Custody Sea	I Intact? Shipment iced?
Alkalinity = Alkal	inity, NO3 = Nitrate, S-	• Sulfic	e, SO4/CI = Sulfate/Chic	ride, TOC = Total Organic	Carbon			
TP Number	-	000				·····		

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 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 Fav 703/264-9222

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Date Report         Exercision (2011)         Continue of (2011)         Continue of (2011)         Report         Continue of (2011)         Continue of (2011) <thcontinue of<br="">(2011)         <thcontinue of<br="">(2011)</thcontinue></thcontinue>							DS No:	1
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EPAAMWAST BUNKEY WORKS WE WARNEY WAST WARNEY E. 837203 12:15 Reas Reprotes U.G. (14), 50(3) (14), 70	EPA-MW-26	Manitor Well L Russ Reynolds	/G 6/kalinity (14), NO3 (14), S- (14), SO4CI	(Eine Hostaus Setturi Hydrostaa) (5)	EPA-MW-26	S: 8/3 (/2005	5.46	1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	EPA-MW-27	Montar Well Rues Roynolos	JG Alkaliniy (14), NO3 (14), S- (14), SO4CI	(Ice Chily (EL)	EPA-MW-27	S. 8/31/2003	2:15	
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ST-MW-17 MONDEr Weil LG Algoling (14), (10) (10) ST-MW-18 MONDEr Weil LG Algoling (14), (20) (10) ST-MW-18 MONDEr Weil LG Algoling (14), (20) (14) ST-MW-20 St 837(2005 (14) (14), (20) (14) MOLL - The following (14), (20) (14) MOLL - The following arry (14), (20) (14) St 9, (14), (20) (14) MOLL - The following arry (14), (20) (14) St 9, (14), (20) (14) St 9, (14), (20) (14) MOLL - The following (14), (20) (14) St 9, (14), (20) (14) MOLL - The following (20) St 9, (14), (20) (14) St 9, (14), (20) (14), (20) (14) St 9, (20) (14), (20) (14) S	ST-MW-12	Monitor WeW L Leelee Akwander	JG Alkallnity (14), 50401 (14), 5- (14), 50401	( () (1) (() () () () () () () () () () () () (	51-MW-12	S; &71/2005	2.05	
ST-MW-18 INOTION WEY LS ANALINATION (14), TOS (14) ST-MW-20 INOTION WEW LS (14), TOS (14) ST-MW-20 S: 831,2005 14.35 India Alexander (14), S. (15), S. (14), S. (15), S. (14), TOS (14) ST-MW-20 S: 831,2005 14.35 India Alexander (14), S. (15), S. (15), S. (14), S. (15),	11-NN-13	Nonitor Well	(14), FUG (14) LG Akalinity (14), NO3 (14), S- (14), SO4G	(T) (T) (HING POI)	ST.MW-17	S: 8/31/2005	0.35	
ST-MW-20 MONTOR WEIL US ARRANDEN (14), NO3 (100-0004,421) ST-MW-20 S: 831,0005 14.35 Leales Absencer (14), S. (14), SO40 (14), TOC (14) MANILYS (14), SO40 (14), TOC (14) MANILYS (14), SO40 (14), TOC (14) MANILYS (14), SO40 MANILYS (14), SO40 MANILYS (14), SO40 MANILYS (14), SO40 MANILYS (14), SO40 MANILYS (14), SO40 MANILYS (14), SO40 Sciences (14), SO40 MANILYS (14), SO40 Sciences (14), SO40 MANILYS (14), SO40 Sciences (14), SO40 MANILYS (14), SO40 Sciences (14), SO40 MANILYS (14	ST-MW-18	Monitor Well' Leslea Akxan <del>óo</del> r	LG Akakhily (14), TOC (14) LG Akakhily (14), NO3 (14), S (14), S04CI	(as omitte)	ST-MW-19	S: 8/31/2005	6.30	
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Norte     The Teclouring     Are the there     Active there       Norte     11% Teclouring     4/x     11% Teclouring     4/x       Norte     11% Teclouring     4/x     11% Teclouring     4/x       Norte     11% Teclouring     11% Teclouring     11% Tecc     0.14       Norte     11% Tecc     0.14     11% Tecc     0.14       Norte     11% Tecc     11% Tecc     0.14     11% Tecc       Suppleting     2000     10%     11% Tecc     0.14       Suppleting     2000     10%     10%     10%       Addition     10%     10%     10%     10%       Addition     10     10%     10%     10%       Addition     10     10%     10%     10%       Addition     10%     10%     10%     10%			(14), TOC (14)	romastich an	aliser # of but	lles for analy	res and Calveronateny fires	
Mikelini, Index     Mikelini, Index     Mikelini, Index     Read of Index     Read of Index     Mikelini, Index       With Superior Service     Superior Service     Superior Service     Superior Service     Mikelini, Index       Superior Service     Superior Service     Superior Service     Superior Service     Mikelini, Index       Superior Service     Superior Service     Academentation     Superior Service     Superior Service       Admiker     Superior Service     Academentation     Low Medular, Herbin     Type/Designature(e):     Upon Record       Admiker     Contentration     Leux, M = Low Medular, Herbin     Type/Designature(e):     Upon Record     Contentration     Contentration       Admiker     Contentration     Leux, M = Low Medular, Herbin     Type/Designature(e):     Upon Record     Contentration     Stipme       Admiker     Contentration     Leux, M = Low Medular, TOC = Total Organic Cerbon     Upon Record     Custory Set Intact?     Stipme       Admiker     Contentration     Leux, M = Low Medular, TOC = Total Organic Cerbon     Upon Record     Custory Set Intact?     Stipme		14 - 14 to	allowing else the	n. (y 5! 5	Hot Bottler		Actor where	
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Sapimetria Usee Sample(s) to be used for inborntory OC: Acaditional Sampler Signature(s): Cooler Termenative Chain of Cuetucy Seal Number: Compacents Campacents Campacents Adalinty, NO3 = Nilitala, S. = Svilitde, SOACI = SuffateChiorida, TOC = Total Organic Carbon IR Multimber: 7 5 CANCO 47 COAOCI = SuffateChiorida, TOC = Total Organic Carbon IR Multimber: 7 5 CANCO 47 COAOCI = SuffateChiorida, TOC = Total Organic Carbon			-	outries Suitet Utilories TUC	• <u></u>		sulfuric Brid	
Azalyałe Kry: Concentration: Le Low, M = Low Medium, H = High TypeDesignate: Composite = C, Grab = G Akalinty, NO3 = Nitreta, 5 = Sulfide, SOACI = Sulfate:Chloride, TOC = Total Organic Carbon FR Mitrinber: 5 EAARDOA 7024/0, AAAA	Supmentia Use Completen	Sarrple(s) to the	uted for Isboratory QC:	AddRienal Sam	pier Signaturv(s):	Cooler Temperatrie Upon Recalpt	Chain of Cuetucy Seel Numbor.	]
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IR Mitmber: • • • • • • • • • • • • • • • • • • •	Aikalinity = Aika	linity, NO3 = Nitrata, 5- = (	Sulfide, SO4CI = Sulfate(Chi	Ioride, TOC = Total Organi	lo Carbon			
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SAMPLE No.	MATR	LER TY	NC) PE	ANALYSIS/ TURNAROUND	TAG N PRESERVATI	lo./ √E/ Bottlas	STATION LOCATION	SAMPLE	XOLLECT 17 ME	·	QC Type
A.MW.26	Mobilion We		,	Alkalinity (14) NO3	(7ine Aretelat S	ndium <i>e</i>	ÉPA-MW-26	S: 8/31/2005	15:45		
	Russ Reyn	olds	-	(14), S- (14), SO4CI (14), TOC (14)	Hydroxide) (5)-	Ayno4					F
'A-MW-27	Monitor We Russ Reyn	W LA olds	G	Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)	(IcaDaly) (5) (Fy re	ار مالو	EPA-MW-27	S: 8/31/2005	12:15		Spike
PA-MW-9A	Monitor We Russ Reyn	(V L) olde	6	Aikalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)	برز <del>(11) (112504)</del> (11) (11)	.i.e	EPA-MW-9A	S: 8/31/2005	9:00		
-MW-12	Monitor We Lealee	III U	9	Aikalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)	(Ice.Oaty)-(5)- 5 ( (20)7	18 14	ST-MW-12	S: 8/31/2005	12:08		-
-MW-17	Monitor We	ii U	G	Aikalinity (14), NO3 (14), S- (14), SO4Cl (14), TOC (14)	(loe Only) (5) s	es sle	ST-MW-17	S; 8/31/2005	10:35		-
-MW-19	Monitor We Lesles Alexander	l₩ L/	G	Aikalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)	(lee Only) (5) S	CQ 242	ST-MW-19	S: 8/31/2005	16:30		
T•MW•20	Monitor We Loslee	il¥ L/	G	Alkalinity (14), NO3 (14), S- (14), SO4CI (14), TOC (14)	(108-014) (6) 51 Evist	ee ohr	ST-MW-20	S: 8/31/2005	14:35		
le follow	y 92 Anuli Alkulin N Unic Sulfide Toc Sulfide/(	the re <u>ctis</u> 'hy hlorije	ومرما <u>ال</u>	bes analyses, b <u>yt of</u> 1 1 1	- or buttes 1 Bottle <u>s</u> I	for analysis <u>Pr</u> Ja ta ta ta ta ta ta	end prosen <u>servetivo</u> enly servety enteritation france deid enteritation	ctivo . Mystriit			
ipment for Case mpiele? N	S	ample(s) to t	96 U 80	d for laboratory QC:		Additional Sem	pler Signature(s);			Chain of Custody S	eal Number:
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kainily > Aka	inity, NO3 ×	Nitrate, S-	Sulf	ide, SO4CI = Sulfate/C	hloride, TOC = To	stal Organic Carb	on		<u></u>	L.,	
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rovides preik	ninary result	a Requests	for pr	eliminary results will in	crease analytical c	osts.					W051085 -
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	Suite 505 The Woodlands TX (281) 292-5277	77280	3				Lab Con	tract No:			
ORGANIC Sample No.	MATRIXI Sampler	CONCI TYPE	ANALYSIS/ TURNAROUND	TAG No.1 PRESERVATIVE/ 2010/05	STATION LOCATION	SAMPLECOLI Datettim	ECT.	inorganic SAMPLE No.	FOR LAB USE ONLY Sample Condition On Racelpt		
B36X1	Monitor Well Lesice Alexander	UG	VOA (14)	(HCL) (3)	ST-MW-20	S: 8/31/2005	14:35				
B36X3	Monitor WeW Russ Reynolds	IJĢ	VOA (14)	(HCL) (6)	EPA-MW-27	S: 8/31/2006	12:15				
B36X4	Monitor Well/ Russ Reynolds	U/ <b>G</b>	VOA (14)	(HCL) (3)	EPA-MW-26	S: 8/31/2005	15:45				
B36X5	Monitor Well	L/G	VOA (14)	(HCL) (3)	ST-MW-17	S: 8/31/2005	10:35				
B38X6	Moniter Weil/ Lesies Alexander	LiG	VOA (14)	(HCL) (3)	ST-MW-12	S: 8/31/2005	12:05				
B36X7	Nonitor Wel/ Rusa Raynolda	L/G	VOA (14)	(HCL) (3)	EPA-MW-9A	S: 8/31/2005	9:00				
835Y3	Monitor Wel/ Russ Reynolds	₽Ğ	VQA (14)	(HCL) (5)	ST-WW-08	S: 8/31/2005	10:20				
B36Y6	Monita: Well Russ Reynoids	LKG	VOA (14)	(HCL) (3)	ST-MW-14	S: 8/31/2005	:1: <b>20</b>				
B36Z1	Monitor Wei¥ Lesige Alexander	IJЭ	VOA (14)	(HCL) (3)	ST-MW-19	S: 8/31/2005	16:30				
B3825	Field QC/ Losieo Alexander	L/G	VOA (14)	(HCL) (3)	TB-3	S: 8/31/2005	<del>3</del> .00				

Supment for Case Completery	Sample(a) to be used for leboratory QC:	Additional Samplor Signeture(s);	Cooler Temperature Upon Receipt	Chain of Gustody Seal Humber:
	B36X3, B3709			
Analyala Kay:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composile = C, Grab = C		Custody Seel Intect? Shipment iced?
VOA = CLP TCL Volatile	s			

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+21-3-1.029 Page 1 of 2

TR Number: 2-500684269-083105-0002 PR provides preliminary results. Requests for preliminary issuits will increase analytical costs. Send Copy to: Semple Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

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Data Shipped; Carrler Name; Airbill: Shipped to;	8/31/2006 FedEx 853166420781 A4 Scentific 1544 Sawdust Road Suite 305 The Woodlands TX (281) 292-5277	77380	Chain of Custod Relinquished By 2 3 4	ly Record (Date / Time) & IB/31/05/BU)	Sampler Signature Received By	(Date / T(me)	For Li Lab Cou Unit Pri Transfe Lab Co	ab Use Only           ntract No:           ce:           r To:           ntract No:	
ORGANIC SAMPLE No.	MATRIX Sampler	conci Type	ANALYSIS/ TURNAROUND	TAG No.1 PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLECOL	lect E	INORGANIC SAMPLE No.	FOR LAB USS ONLY Sample Condition On Receipt
B3700	Field QC/ Ruse Reynolds	ĽG	VOA (14)	(HCL) (3)	FB-3	S: 8/31/2005	12:15		
83705	Field QC/ Leslea Alexander	L/G	VOA (14)	(HCL) (3)	Equipment Blank-3	8; 8/31/2005	9:00		
83709	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	EPA-MW-27-A	S: 8/31/2005	12:15		

Shipment for Casis Complete?Y	Sample(s) to be used for laboratory QC; B36X3, B3709	Additional Sampler Signature(a);	Cooler Temperature Upon Receipt	Chain of Guelody Seel Number:
Analysis Key:	Concentration: $L = Low, M = Low/Medium, H = High$	l Type/Designate: Composite = C, Grab = C		Custody Seal Intact? Shipment loed?
VOA = CLP TCL Volasii			مر می میکند. بر از میکند از میکند با این میکند این میکند این میکند این میکند. بر از میکند این میکند این میکند این میکند این میکند این میکند.	
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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 F2Vo.1.040 Page 2 of 2

E LI	usera u Organic 1	onuraci fraffic	r Larorarury r Report & Chai	royram In of Cust	ody Record			Case No: DAS No:	34578	8
Region: Project Code:	2			Date Shipped: Perder Neme:	8/31/2005 Earev	5	iain of Custody F	lecord	sampler ACU	14cm C
Account Code:			1	Arbiti:	reuca 853166420781	1	Inquisited By	(Date/Time)	Received By	(Date / Time)
CERCLIS IU: Soli ID:	NYD0476501 021 H	LE		Shipped to:	A4 Scientific 1544 Saudict Road	<u>-1</u>	ろうろうろう	2. Ela/6/180		
Site NemerState:	Stanton Clea	ners Årea (	Groundweter Contami		Suite 505					
Project Leader: Action:	Lestee Alexa Operations a	nder vrd Mainten	IBRCe		The W codiands 1 X (281) 292-5277	1/380				
Samping Co:	Earth Tech	1				4				
ORGANIC SAMPLE No.	MATRW Sampler	CONCY TYPE	ANAL YSISI TURNA ROLAD	TAG PRESERVAT	tto <i>l</i> NFI Bottics	STATION LOCATION	SAMFLE	COLLECT INO!	RGANIC IPLE No.	oc Iype
B36X1 M	onttor Welf 15 Job	LG L	VOA (14)	(HCL) (3)		ST-MW-20	S: 8/31/2005	14:35		1
B36X3 A	exander ontor Welli uss Reynolds	517	VDA (14)	(HCL) (B)		EPA-MW-27	S: 8/31/2005	12:15		Spike
B36X4 N	oniter Well/ uss Reynolds	97	VOA (14)	(HCL) (3)		EPA-MW-20	S: 8/31/2005	15:45		;
B36X5	onitar Well Since	гı	VOA (14)	(HCL) (3)		51-WA-12	S: 8/31/2005	10:35		I
B36X6 №	lonitor Well/ Bsiee Levender	DU	VOA (14)	(HCL) (3)		ST-MM-12	s; 8/31/2005	12:05		;
B38X7 N	ionitor Well' ues Reynolde	LIG	VOA (14)	(HCL) (3)		EPA-MW-9A	6: 6/31/2005	00:6		:
B36Y3 A	fonitof Well/ uss Reynokis	LIG	VOA (14)	(HCL) (3)		31-MW-06	S; &/31/2005	10:20		:
838Y6	hankar Well/ Russ Reynolas	5/7	VOA (14)	(HCL) (3)		ST-M:N-14	S: 8/31/2005	11:20		ĩ
B3621	fonttor Welli estee	rlo	VOA (14)	(HCL) (3)		ST-M'N-18	S: 8/31/2005	18:30		z
B36Z5	viexander Held QC/ Casisse Viexander	ଅ	YOA (14)	(HCL) (3)		TB-3	s: 8/31/2005	8:00	F	rip Blank
Strigment for Case Conneter? Y	Sample	(e) to be uni	ed for leboratory QC:		Additional Sar ple	r Signatura(e):			Cheln of Custody 9	al Number:
	B36X3,	83709								
Anelysis Key:	Concer	ntretien:	L = Low, M = Low, Medium	n, H = Klgh	Type/Designate:	Composite = C, (	Greb = G		Shipment iced?	
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TR NUTRIBET: 2-500684269-083105-0002 PR provides preliminary results. Requests for preliminary results with Increase analytical costs. Sand Copy &: Sample Management Office, 2000 Edmund Hadey Dr., Reston, VA. 20191-3400 Phone 703264-9348 Fax 703764 9222

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Region: Project Code: Account Code: CERCLIS ID; Spiil ID: Site Name/State Project Leader;	2 , NYD04765 O2LH Stanton Cit	0197 eaners Area G	Sroundwaler Contami	Date Shipped: 5/3 Cerrier Name: Fee Arbilli: 853 Shipped to: A4 154 Su Th	1/2005 dEx 3166420781 Scientific 4 Sawdust Road ite 505 9 Woodlands TX 77380	Chain of Custod Refinguished By	(Date / (Date /	San Sign Time) Rec 5 /34	pier ature: XC elved By	(Date / Time)
Action: Sempling Co:	Roor: Leste Alexander Operations and Malnienance Co: Earth Tech		(28	11) 292-5277	3 				·····	
ORGANIC SAMPLE No.	MATRIX Sampler	CONC TYPE	ANALYSIS: TURNAROUND	TAG No./ PRESERVATIVE/ B	STATION totëes LOCATION	SAMF D.	LECOLLECT ATE/TIME	INORGAN SAMPLE	liC No.	QC Type
B3700	Fleid QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	FB-3	S: 8/31/2005	12:15			Lab QC
33705	Fleid QC/ Leslae	Lig	VOA (14)	(HCL) (3)	Equipment Blan	k-3 S: 8/31/2005	9:00			Rinsata
33709	Alexander Field QC/ Russ Reynolds	LG	VOA (14)	(HCL) (3)	EPA-MW-27-	A S: 8/31/2005	12:15		Fi	eld Duplicate

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Addilonai Sempler Signalure(s):	Chain of Custody Seel Number:
	B36X3, B3709		
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment lood?
1411 421 142 144	241 <b>4</b> 4		
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IR Number: PR provides preliminary Send Copy for Sampler	2-500684269-083105-0002 results. Requests for protoningry regults will increase analytica Vanagement Office, 2000 Edmined Hatey Dr., Reston; VA. 20 Carlie Tradicio 2 conort & Charte of Cust.	l costs. 191-3400 Phone 703/264-9348 Fax 703/264-9222 そうにうじご	F2V0.7.443 Page 2
IR Number: Provides preliminary Send Copy ty: Sampler	2-500684269-083105-0002 results. Requests for protiminary results will increase analytica Management Office, 2000 Edition Hattey Dr., Reston, VA. 20 Camina Tradicio Control & Charles of Culor.	1 costs. 191-3400 Phone 703/264-9348 Fax 703/264-9222 9 COSTC	F2V0.1.040 Page 2

) EPA	USEPA Con Organic Tra	itract affic i	Laboratory I Report & Cha	Program in of Custody Re	cord		Case I DAS No: SDG No:	No: 340	78
Data Shipped: Carrie: Name: Airbili: Shipped to:	9/1/2005 FedEx 853166420792 A4 Scientific 1544 Sawdust Road Suite 505		Chain of Custor Repondential Culture 2	(Dete / Time) Cer Only/os-/SQU	Sampler Signature: A Labor Recoived By	(Date / Time)	For La Lab Coni Unit Pric Transfer	b Use Only tract No: e: To:	
	The Woodlands TX 7 (281) 292-5277	7380	3				Lab Con Unit Pric	tract No:	
ORGANIC Sample No.	MATRIX Sampler	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No.J PRESERVATIVE/ Boiles	LOCATION	SAMPLE COL DATE/TIN	lect	INORGANIC SAMPLE No.	FOR LAB USE ON LY Sample Condition On Receipt
B36X9	Monitor Well/ Russ Reynolds	ĽG	VOA (14) .	(HCL) (3)	EPA-MW-21	S; 9/1/2005	13:55		
B38Y0	Monitor Well/ Lesise Alexander	IJG	VOA (14)	(HCL) (6)	EPA-MW-23	S: 9/1/2005	14:05		жа. Н. И. Н. н
B36Y2	Monitor Well/ Russ Reynolds	IJĠ	VOA (14)	(HCL) (3)	ST-MW-02	S: 9/1/2005	15:10		
B36Y5	Monitor Weli/ Russ Reynolds	LIG	VOA (14)	(HCL) (3)	ST-MW-13	S: 9/1/2005	11:55	ng≢	արույանը համաձնական էն <sup>էր</sup> անակին էջ։
B36Y7	Monitor Well/ Russ Reynolds	L/G	VDA (14)	(HCL) (3)	ST-MW-15	S: 9/1/2005	9:15	,	
B36Y8	Monitor Well/ Lesiee Alexander	L/G	VOA (14)	(HCL) (3)	8T-MW-16	S: 9/1/2005	10:10		
B36Z6	Field QC/ Lesfee Alexander	L/G	VOA (14)	(HCL) (3)	TB-4	S: 9/1/2005	7:50		
B3701	Field QC/ Lesles Alexander	L/G	VOA (14)	(HCL) (3)	F8-4	S: 9/1/2005	8:00		
B3706	Field QC/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	Equipment Blank-4	S: 9/1/2005	10:00		
B3708	Monitor WelV Leslee Alexander	IJG	VOA (14)	(HCL) (3)	EPA-MW-23-A	S: 9/1/2005	14:05		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: B36YO	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seel Number:
Analysia Key: VOA = CLP TCL Volatile	Concentration: "L = Low, M = Low/Medium, H = High	Type/Designate: Composile = C, Grab = C	3	Custody 668t intell? Shipment iced?
TR Number: PR provides preliminary re Send Copy to: Sample Ma	2-500684269-090105-0001 suits. Requests for preliminary results will increase anal nagement Office, 2000 Edmund Halley Dr., Reston, VA	ylical costs. A. 20191-3400 Phore 703/264-9348 Fax 703/264-922	2 2	1295.1.445 Page 1 of 2

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	1544 Sawoust Road Suite 505		2	•			Transie	r To:	
	The Woodlands TX (281) 292-5277	77380	3				Lab Cor	itract No:	
	(		4				Unit Pri	:	
ORGANIC SAMPLE No.	MATRIX	CONC/ TYPE	ANALYSISI TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLI DATE/TIME	ect	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B3711	Monitor Weil/ Lestes 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 Sample(s) to be used for laboratory QC: Additional Sampler Signature(s): Goder Temperature Chain of Custody Seal Number: Complete?N Upon Receipt e una seu B36Y0 Custody Seal Intact? Shipment lced? Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Deelgnate: Composite = C, Greb = G VOA = CLP TOL Volatiles **TR Number:** IR Number: 2-500684269-090105-0001 <sup>SR</sup> provides preliminary results. Requests for preliminary results will increase analytical costs. Send Copy to: Sample Management Office, 2000 Edmund Haley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/284-9222 1205.1.045 Page 2 of 2

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Region: Project Code: Account Code: CERCLIS ID: Spill ID: Site Name/Stat Project Leader: Action: Sampling Co:	2 , NYD0476501 O2LH Stanton Clea Letles Alexa Operations a Earth Tech	97 Iners Area C nder Ind Maintenr	sroundwater Contami ance	Data Shipped: Carrier Name: Airbill: Shipped to:	9/1/2005 FedEx 85316642079 A4 Scientific 1544 Sawdus Suite 505 The Woodlarw (281) 292-527	2 F I Road 77 7	hain of Custody R Kellinghished By 2 2 3 4	(Date / (Date / 7 87 / / 61	Time) 1 _ / SDD	Signature Received By	(Date / Tirre)
ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONCI TYPE	ANALYSS TURNAROUND	TAG PRESERVA	No./ IVE/ Bottles	STATION LOCATION	SAMPLE ( DATE	DLLECT 7\ME	inor Same	GANIC PLE No.	QC Тура
336X9	Monitor Well/ Russ Reynolds	L/G	VOA (14)	(HCL) (3)	<u></u>	EPA-MW-21	S: 9/1/2005	13:55			u-
33640	Monitor Well/ Lesies Alexander	ĽG	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-92	S: 9/1/2005	15:10			
B36Y5	Monitor Well/ Russ Reynolds	⊔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)		S7-MW-15	S: 9/1/2005	9:15			
B36Y8	Monitor Well/ Lesiee	L/G	VCA (14)	(HCL) (3)		\$⊤-MW-18	S: \$/1/2005	10:10		16. ·	<b>*</b>
B36Z8	Field QC/ Lesiae	IJG	VOA (14)	(HCL) (3)		ТВ-4	S: 9/1/2005	7:50			Trip Blank
83701	Alexander Field QC/ Leslae	L/G	VCA (14)	(HCL) (3)		FB-4	S: 9/1/2005	B:00			Lab QC
B3706	Alexander Field QC/ Russ Reynolds	ĽG	VOA (14)	(HCL) (3)		Equipment Blan	(-4 \$: 9/1/2005	10:00			Rinsate
B3708	Monitor Weil/ Lesiee Alexander	Lig	VOA (14)	(HCL) (3)		EPA-MW-23-4	S: 9/1/2005	14:05			Field Duplicate

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Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
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ORGANIC SAMPLE No.	MATRIX SAMPLER	CONCI TYPE	ANALYSIS/ TURNAROUND	TAC	i Na./ NVE/ Botties	STATION LOCATION		SAMPL	ECOLLECT E/TIME	INO SAN	RGANIC IPLE No.	QC Туре
B3711 B3712	Monitor Well/ Lestee Alexander Monitor Well/ Lestee Alexander	ĩ/g L/g	VOA (14) VOA (14)	(HCL) (3) (HCL) (3)		EPA-MW-2 EPA-MW-2	5	S: 9/1/2005 S: 9/1/2005	9:00			

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PR provides preliminary results. Requests for preliminary results will increase analytical costs. Send Copy to: Sample Management Office, 2000 Edmund Hallav Dr. Restor, VA, 20144, 2400 Photo Topbor 401111

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#### <u>Attachment C</u>

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August 29-September 1 Sampling Event

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#### <u>Attachment D</u>

August 29-September 1 Sampling Event

	WATER LEVEL DATA SUMMARY							
PROJECT:		Stanton Cleaners	;		JOB	NUMBER: 70536		
LOCATION:		Great Neck, NY			DATE	: 8/29/2005 Leslee		
CLIENT:		USACE / USEPA	L .		MEAS	SURED BY: Alexander		
SURVEY DATUM:		ft msi						
MEASURING DEVICE:		Solinst Water Level Indicator						
	Time (Military)	MEASURING	POINT					
F		Description	Elevation (FT)	WATER (FT)	WATER (FT)	COMMENTS		
ST-MW-02	8:45	тос	82.03	64.42	17.61			
ST-MW-16	8:50	тос	75.78	55.21	20.57			
EPA-MW-25	8:55	_ тос	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/ <u>A</u>	66.71				
ST-MW-09		TOC	N/A			well concreted over		
EPA-MW-9A	9:33	тос	80.24	64.09	16.15	well vault smashed, casing intact		
EPA-MW-24	<u>9:40</u>	тос	N/A	66.52		extraction system installed		
ST-MW-06	10:00	TOC	_69.83	46.25	23.58			
EPA-MW-27	10:06	TOC	69.32	52.11	17.21			
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	тос	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	ТОС	N/A	72.39		well cap secure, vault full of dirt		
ST-MW-13	10:36	тос	103.94	86.90	17.04			

N/A: Data not available

# WATER LEVEL DATA SUMMARY

PROJECT:		Stanton Cleaners Great Neck,				JOB	NUMBER:	70536
F LOCATION:		NY USACE / US				DATE	i:	8/29/2005 Leslee
CLIENT:		EPA				MEAS	SURED BY:	Alexander
SURVEY DATUM:		ft msl			{			
MEASURING DEVICE:	·	Solinst Water Level Indicator	S/N# 34407					
WELL	TIME	MEASURING		DEPTH TO	ELEVATI	ON OF		
NUMBER	(Military)	Description	Elevation (FT)	WATER (FT)	WATER	R (FT)		
EPA-CL 1S	8:52	тос	N/A	13.00				
EPA-CL 010	9:00	тос	N/A	18.75				
EPA-MW-29	9:21	тос	31.06	30.19	0.8	7		
CL-03	9:24	тос	<u>N/A</u>	10. <u>45</u>				
CL-02			<u>N/A</u>				C	ould not locate
ST-MW-20	10:00		84.53	64.03	20.	50		
EPA-MW-11D			N/A	59.30				
CT > AW 11	14:20	TOC	75.05	60.02	45 (	22	covere	d by car (measured
<u>S1-Mw-11</u>	14.20	100	15.25	00.03	10.4	<u> </u>		on 8-31-05)
EPA-MW-31			<u>51.46</u>	30.02	21.4	14		
EPA-MW-32			53.39	30.32	23.0	)7	 	·
EPA-MW-33			68.75	44.51	24.2	24	C	over is missing
CL-4S	11:40	TOC	N/A	4.53				
CL-4D	10:40	TOC	<u>N/A</u>	17.53				

N/A: Data not

available

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Appendix E

Groundwater Treatment System Raw and Treated Analytical Data

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Sample	╶╴╴╴╸		Date	Compounds	Result	
Location	ECC ID*	EPA ID	Collected	Detected	(μ <b>g</b> /L)	Qualifier**
				MTBE	2	J
)	1			cis-1,2-Dichloroethene	2	J
Influent	SC-01	B0001	10/27/2003	Trichloroethene (TCE)	3	
	]			Toluene	3	
	ļ			Tetrachloroethene	350 (D)	
Effluent	SC-04	B0002	10/27/2003	None		
Trin Blank	SC TP	B0003	10/27/2003	Acetone	61	J
	30-16	D0003	10/27/2003	Methylene chloride	2	J
				Tetrachloroethene (PCE)	240	
Influent	SC-01	B0177	11/12/2003	Chlorodifluoromethane	8.6	NJ
				1,2-Dichloroethene	3.3	NJ
Effluent	SC-04	B0178	11/12/2003	Chlorodifluoromethane	22	NJ
				Tetrachloroethene	250	
Influent Dup	SC-60	B0179	11/12/2003	Chlorodifluoromethane	29	NJ
				1,2-Dichloroethene	3.4	NJ
Trip Blank	SC TB	B0180	11/12/2003	Tetrachloroethene	9.4	
	30-10	D0100		Chlorodifluoromethane	4.3	NJ
				Tetrachloroethene	290 (D)	
Influent	SC-01	B17J3	12/10/2003	cis -1,2-Dichloroethene	2	J
				Trichloroethene	3	J
Effluent	SC-04	B17J4	12/10/2003	None		
				Tetrachloroethene	_ 280 (D)	
Influent Dup	SC-61	B17J5	12/10/2003	cis -1,2-Dichloroethene	2	J
				Trichloroethene	3	J
				MTBE	5	J
Trip Blank	SC-TB	B17J6	12/10/2003	Toluene	2	J
<u> </u>				Ethylbenzene	2	J
				MTBE	2.7	
Joffuont	50.01	P1000	1/12/2004	cis-1,2-Dichloroethene	1.5	
muent	50-01	00010	1/12/2004	Trichloroethene	2.5	
				Tetrachloroethene	280	
Effluent	SC-04	B1001	1/12/2004	None		
				MTBE	2.6	
Influent Dun	50.62	B1002	1/10/2004	cis-1,2-Dichloroethene	1.5	
iniliaent Dap	50-62	01002	1/12/2004	Trichloroethene	2.5	
				Tetrachloroethene	300	
	[]			Methylene chloride	0.6	K
Trin Blank	SC-TB	B1003	1/12/2004	MTBE	3.7	
The blank	0010	51000	1712/2007	Tetrachloroethene	7 <u>.9</u>	
				m&p-Xylene	0.7	
				cis-1,2-Dichloroethene	1.7	
Influent	SC-01	B1770	2/12/2004	Trichloroethene	3.0	
		2v		Tetrachloroethene	610 (D)	
				Unknown TIC	0.53	J
Effluent	SC-04	B17Z1	2/12/2004	Acetone	3.8	J
				Acetone	25	J
Influent Dup	SC-63	B17Z2	2/12/2004	cis-1,2-Dichloroethene	1.7	
				Trichloroethene	2.8	
	1			Tetrachloroethene	( 440 (D)	

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

Sampla	<del></del>		Date	Compounds	Result	<u></u>		
Location			Collected	Detected	(ugll)	Ouslifier**		
LUCALION	ECCID	EFAID			(µg/E)	Quantier		
ł	1	}		Methylene chloride	0.16	<u> </u>		
	{	}		MIBE	4./	<u> </u>		
	{	} }		Chloroform	0.26			
	1			Tetrachloroethene	7.1			
Trip Blank	SC-TB	B17Z3	2/12/2004	Xylene (total)	0.56			
	}	}		1,3-Dichlorobenzene	0.40	<u>         J                           </u>		
	{	}		1,4-Dichlorobenzene	0.38	<u> </u>		
[		1 1		Unknown TIC	0.58	J		
				Benzene, 1-ethyl-3-methyl-	0.72	JN		
					2.7			
 	50.01	D1776	2/10/2004	cis-1,2-Dichloroethene	1.2			
Innuent	50-01	B1/20	3/10/2004	Trichloroethene	2.3			
	{			Tetrachloroethene	260			
Effluent	SC-04	B17Z7	3/10/2004	Tetrachloroethene	0.70			
				MTBE	2.8			
1				cis-1 2-Dichloroethene	12	<u> </u>		
Influent Dup	SC-64	B17Z8	3/10/2004	Trichloroethene	23	<b>├──</b> ──		
	) i			Tetrachloroethene	260			
<u></u>				Acetone	18	╆╌╌╴╺╼╌╌╴		
l Trin Blank	SC-TB	B1770	3/10/2004	Toluono	0.50			
г ттр Банк		01723	5/10/2004	Isobutane	0.50			
					10			
				WITEE	1.9			
Influent	SC-01	B1BS2	4/14/2004	Cis-1,2-Dichloroethene	0.03	<u> </u>		
	} .			Tetraphereethane	280 (D)	<u> </u>		
E filment		D1DC2	4/14/2004	Tetrachloroothono	10	<u>├</u> ──		
Enluent	50-04	B1000	4/14/2004		1.9	<u>├</u>		
	} 1	ĺ		MTRE	1.2			
Influent Dun	SC-65	SC-65	B1854	4/14/2004	4/14/2004	ais 1.2 Dichloroothono	0.67	<u> </u>
	30-05	01004	4/14/2004		Trichloroothono	1 1		
	(			Tetrachloroethene	260 (D)	<u> </u>		
	<u>├</u>			Methylene chloride	0.17	<u>├</u>		
Trin Blank	SC-TB	B1855	4/14/2004	Chloroform	28	- <u> </u>		
i np blank	00-10	1000	4/14/2004	Bromodichloromethane	0.80			
				MTRE	21	<u></u>		
	{	[ ]		cis-12-Dichloroethene	10	<u> </u>		
Influent	SC-01	B1BS6	5/20/2004	Trichloroethene	1.0			
1	{			Tetrachloroethene	190	<u> </u>		
Effluent	SC-04	B1BS7	5/20/2004	Acetone	1.2	<u>-</u>		
				Acetone	0	/		
				MTBE	2.1			
Influent Dup	SC-66	B1BS8	5/20/2004	cis-1,2-Dichloroethene	0.9			
	}	}		Trichloroethene	1.6			
	1			Tetrachloroethene	200			
				Acetone	1			
Trip Blank	SC-TB	B1BS9	5/20/2004	Chloroform	0			
	I			Bromodichloromethane	0			
				Carbon Disulfide	1.1			
				MTBE	2.7			
Influent	SC-01	B1BS6	6/15/2004	cis-1,2-Dichloroethene	1.3			
ł	}			Trichloroethene	2.4			
L				Tetrachloroethene	320			

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

Sample			Date	Compounds	Result	]]
Location	ECC ID*	EPA ID	Collected	Detected	(μg/L)	Qualifier**
Effluent	SC-04	B1BS7	6/15/2004	Tetrachloroethene	2.1	
				MTBE	2.3	
	00.07	DADCO	0/15/0004	cis-1,2-Dichloroethene	1.2	
Influent Dup	J SC-67	BJR28	6/15/2004	Trichloroethene	2.2	
				Tetrachloroethene	330	
Trip Blank	SC-TB	B1BS9	6/15/2004	None	;	
				Acetone	0.8	
				MTBE	2.3	
Influent	SC-01	B1FJ2	7/13/2004	cis-1,2-Dichloroethene	1.1	_
				Trichloroethene	1.7	
	} .			Tetrachloroethene	170	
Effluent	50.04		7/13/2004	Acetone	0.72	
Emuent	50-04	D1F33		Tetrachloroethene	2	
	[			MTBE	2.4	
Influent Dun	SC 67		7/13/2004	cis-1,2-Dichloroethene	1.1	
	0.00	D11 34	1113/2004	Trichloroethene	1.8	
_	L			Tetrachloroethene	160	
Trip Blank	SC TB	B1E15	7/13/2004	Acetone	0.73	
	30-10	DI135		Acetic Acid, Ethyl Ester	2.5	NJ
				MTBE	1.9	
				cis-1,2-Dichloroethene	0.7	
Influent	SC-01	B1GH2	8/16/2004	Trichloroethene	1.5	
	· .			Tetrachloroethene	200	
1	1	_		Acetone	2	
Effluent	80.04	P1CU3	8/16/2004	RIACIONA Tetrachloroethene		
Enideric	30-04	<b>DIG</b> 13	0/10/2004	Acetone	1.6	
	[	]		Acetone	1.2	
}	ł			MTBE	2	
Influent Dup	SC-69	B1GH4	8/16/2004	cis-1,2-Dichloroethene	0.7	
	ļ			Trichloroethene	1.5	F
				Tetrachloroethene	210	
	[			Chloromethane	0.80	
	Ì			Acetone	1.0	
Influent	SC-01	(		<u>MTBE</u>	1.5	
inden		{		cis-1,2-Dichloroethene	0.70	
,				Trichloroethene	1.4	
		<b></b>		Tetrachloroethene	200	
		}		Chloromethane	0.80	
Effluent	SC-04	}		Acetone	2.1	· [
<b></b>	<b>↓</b>	·		Tetrachloroethene	1./	<u> </u>
ĺ				Acetone	1.0	
Influent Dun	50.70	Ì			1.5	<u>↓</u>
Innuent Dup	50-70	(		Triphlaroothono	1.4	
		ļ		Tetrachlaroothono	210	
<b></b>	<u> </u>		<b>_</b>	Acetone	22	
Trip Blank	SC-TB	1		2-Butanone	1.5	
	┢─────	├	<u>├</u>	Acetone	5	<u> </u>
l '	{	}		Methylene chloride	0.2	
l l	{			MTBF	0.82	<u> </u>
Influent	SC-01	B1LZ2	10/21/2004	cis-1.2-Dichloroethene	0.5	
}				Trichloroethene	1.2	
	)			Tetrachloroethene	220	

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

Sample	}		Date	Compounds	Result	
Location	ECC ID*	EPA ID	Collected	Detected	(µg/L)	Qualifier**
	ļ			Acetone	5	J
Effluent	SC-04	B1LZ3	10/21/2004	Methylene chloride	0.5	UJ
		ĺ		Tetrachloroethene	0.2	J
	<u> </u>			Acetone	5	J
(	1			Methylene chloride	1.1	
Ű				MTBE	1.1	f
Influent Dup	SC-71	B1LZ4	10/21/2004	cis-1 2-Dichloroethene	0.64	
4				Trichloroethene	1.1	
}				Tetrachloroethene	210	(D)
<u> </u>				Acetone	57	
Trin Blank	SC-TB	B1175	10/21/2004	Methylene chloride	0.68	<u> </u>
	0010	01220	10/2 //2001		0.39	<u> </u>
<b> </b>	} <b></b>			Acetone	3	
l				Mothylene chloride	13	
				MERIVIERE CHIONDE	13	
Influent	SC-01	B1T22	11/17/2004		1.5	├─
	}	{ }		C/S-1,2-Dichloroethene	0.04	<u></u>
					1.2	
				letrachloroethene	1/0	
Effluent	SC-04	B1T23	11/17/2004	Methyl Acetate	0.5	<u> </u>
				Methylene chloride	0.5	<u> </u>
	}			Methylene chloride	0.85	<u> </u>
ļ,	}	1		MTBE	1.3	
Influent Dup	SC-72	B1T24	11/17/2004	cis-1,2-Dichloroethene	0.5	
	(			Trichloroethene	0.83	
				Tetrachloroethene	<u> </u>	(D)
				Acetone	3	J
				Methyl Acetate	0.5	<u>_</u>
Trin Plank	SC TR	B1T25	11/17/2004	Methylene chloride	0.46	<u> </u>
	30-10		11/1//2004	2-Butanone	2.4	<u> </u>
	}	Į į		Tetrachloroethene	9.6	
	1			1,2,3-Trichlorobenzene	0.5	บา
				MTBE	1.6	
	)			cis-1,2-Dichloroethene	0.45	J
)	)			Trichloroethene (TCE)	1.0	J
		(		Tetrachloroethene	100	(D)
	<b>i</b> , I	(		Methylcyclohexane	1	L UJ
				Bromomethane	1	ŪJ
Influent	SC-01	B1T79	12/15/2004	Bromodichloromethane	1	UJ
				Chloromethane	1	UJ
				1.2-Dichloroethene	1	UJ
	}			1.2-Dichloropropane	1	ŪJ
Į.				2-Hexanone	10	R
	]	ļ		4-Methyl-2-pentanone	10	R
	<u>↓                                     </u>		· =	Benzene	0.5	JB
Effluent	SC-04	B1T81	12/15/2004	1,2,4-Trichlorobenzene	0.5	JB
				1,2,3-Trichlorobenzene	0.5	JB
	<u> </u>			Methyl tert-Butyl Ether	1.6	· · ·
				cis-1,2-Dichloroethene	0.48	J
	00-00	BATTOO	10/15/2000	Trichloroethene	0.98	<u> j</u>
Influent Dup	SC-73	81780	12/15/2004	4-Methyl-2-pentanone	10	R
li l	1			Tetrachloroethene	98	(D)
	( ·			2-Hexanone	10	R

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

Sample	T <b>-</b>	Ţ <del></del> Ţ	Date	Compounds	Result	1
Location	ECC ID*	EPA ID	Collected	Detected	(μg/L)	Qualifier**
	Ţ			Chloroform	0.1	J
) Tria Diank	CO TR	D4702	10/15/0004	Cyclohexane	0.15	J
і і пр віалк	SC-IB	B1182	12/15/2004	Benzene	0.5	JB
1				Toluene	0.21	J
	t	<u>├────</u> ┤		MTBE	1.5	
<b>(</b>	1			cis-1.2-Dichloroethene	0.7	<u>├──</u> ──
Influent	SC-01	B1W00	1/21/2005	Trichloroethene (TCE)	14	<b> </b>
1		ļ [		Tetrachloroethene	160	
Effluent	SC-04	B1W02	1/21/2005	Acetone	1.8	<u>↓</u>
				Methyl tert-Butyl Ether	14	
	ł	} {		cis-1 2-Dichloroethene	07	<u>├──</u> ──
Influent Dup	SC-74	B1W01	1/21/2005	Trichloroethene	14	<u>}−−−−</u>
initiaciti Dap	00/4		112112000	Tetrachloroethene	150	
	1	1 1		Acetone	10	
Trip Plank	SC TR	B110/03	1/21/2005	Acetone	35	
	<u> </u>	BIVV03	1/21/2005	MTRE	1.0	┼╾──╼───
	ſ	{ }			1.4	<u> </u>
Influent	SC-01	AG00197	2/3/2005		0.5	<u> </u>
	{	ļ [			1.1	
				letrachloroethene	140	
Effluent	<u>SC-04</u>	AG00198	2/3/2005	Acetone	1.2	
	1	}		Methyl tert-Butyl Ether	1.5	
	ł	}		cis-1,2-Dichloroethene	0.54	I
Influent Dup	SC-75	AG00199	2/3/2005	Trichloroethene	1.1	
	ſ	{ }		Tetrachloroethene	140	
	<u> </u>			Acetone	1.1	l
Trin Plank	SC TR	1000000	2/2/2005	Acetone	4.3	
		AG00200	2/3/2003	4-Methyl-2-pentanone	1.2	
				MTBE	1.4	
l	00.01	1000400	210/2005	Acetone	2.5	
Influent	50-01	AG00468	3/9/2005	Trichloroethene (TCE)	1.1	
	ļ			Tetrachloroethene	130	
Effluent	SC-04	AG00469	3/9/2005	Acetone	1.8	
				MTBE	1.4	
		1		Acetone	1.2	<u> </u>
Influent Dup	SC-76	AG00470	3/9/2005	Trichloroethene	1.1	
	1	1 1		Tetrachloroethene	130	
	· · · · ·	<u>├</u>	· · · · · · · · · · · · · · · · · · ·	Acetone	17	
Trip Blank	SC-TB	AG00471	3/9/2005	Chloroform	16	
<u>├</u>	<u>_</u>			MTBE	17	
	{	{ {		2-Butanone		
Influent	SC-01	AG00825	4/22/2005	Acetone	2.2	j
(EPA-EXT-02)		11000020		Trichloroethene (TCE)	11	
	}	) (		Tetrachloroethene	65	┝────┤
		┦╼┈┯╼╌╺╁		2-Butanone	25	
Influent	{ .	}			51	╞────┦
	SC-02	AG00826	4/22/2005	Trichloroethene /TCE)	13	{ {
(21 (	Ì	1 1			0.5	┟╾┈━━━━━┤
C'ffl. and	80.04	1000007	4/22/2005	Nono	9.0	┝━━───┦
	30-04	14000021	4/22/2003	2 Butenene		┝∮
Influent Dup	ł				2.0	┝━───┥
(EPA-EXT-02)	SC-77	AG00828	4/22/2005	Triphloroothana	4.9	├ <u>──</u> ──┤
(EPA-EXT-4R)	{	{ }			1.3	┞┤
1	L			letrachioroethene	9	

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

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Sample			Date	Date Compounds		╎───
Location	ECC ID*	EPA ID	Collected	Detected	(μ <b>g/L)</b>	Qualifier**
				Acetone	1	
Trip Blank	SC-TB	AG00829	4/22/2005	Chloroform	1.7	
				Trichloroethene (TCE)	0.84	
Influent		{		MTBE	1.1	
	SC-01	AG01320	5/24/2005	Trichloroethene (TCE)	1.0	
	L			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 <del>(EPA-EXT-02)</del> (EPA-EXT-4R)	SC-78	AG01323	5/24/2005	Tetrachloroethene	8.6	
				Acetone	1.3	
Trip Blank	SC-TB	AG01324	5/24/2005	Chloroform	13	
	L			Bromodichloromethane	2.5	

# Stanton Cleaners Analytical Tracking Table Influent and Effluent Groundwater Data

#### Notes:

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- = 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
- $JN \approx$  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  $\approx$  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

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#### 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

		MultiF	AE Plus PC	GM-50		VelociCalc Plus				
	VOC	СО	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	<u>N/A</u>	67. <u>6%</u>	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 <u>%</u>	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

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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

the state of the s	STANTON CLEANERS AREA GROUNDWATER
and a second	CONTAMINATION SITE
and the second sec	Soil Vapor Extraction and Pump and Treat System
racerror a production of	Di Weekly Air Menitering Log
1920-200 Jac	DI-Weekly An Wontoning Log

Date: 8/24/05 Project #

••••••••••••••••••••••••••••••••••••••										70536	
		MultiF	RAE Plus P	GM-50			VelociCalc Plus				
	VOC	со	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 <sup>1</sup>	0.0	0	19.5%	0%	0	101.8		32.7%	67.0	250	
GW Post Vapor Effluent <sup>2</sup>	0.4	0	20.9%	0%	0	60.7		91.7%	58.2	950	
SS A <sup>3</sup>	1.9	0	20.9%	0%	0	84.2		36.5%	56.5	16.5	
SS B <sup>3</sup>	0.9	0	20.9%	0%	0	87.8		45.0%	60.0	2.4	
SS C <sup>3</sup>	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 <sup>4</sup>	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

VOC: Volatile Organic Compounds

CO: Carbon Monoxide

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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

#### Comments:

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

<sup>1</sup> Formerly Post SVE Carbon

<sup>2</sup> Formerly Post Air Stripper Carbon

<sup>a</sup> Formerly Sub-Slab A, B, and C respectively

<sup>4</sup> Formerly SVE-EXT-

#### 4R

N/A: not available/ not applicable

STON CLEANERS AREA MILLER A

## Appendix G

#### Semi-Annual Groundwater Sampling Analytical Data

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Appendix H

Historical Groundwater Level Monitoring Results (Ongoing)

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E A R T H T E C H

PAGE 1 OF 1

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# WATER LEVEL DATA SUMMARY

PROJECT:	Stanton Cleaners				JOB NI	JMBER:	70536
LOCATION:	Great Neck, NY				DATE:		8/4/2005
CLIENT:	USACE / USEPA				MEASU	IRED BY:	Frank Mahalski
SURVEY DATUM:	ft msl						Robert Derrick
NEASURING DEVICE:	Solinst Water Level Indicator S/N#	34407				_	
WELL	MEASURING PO	INT	DEPTH TO	ELEVA	TION OF	{	COMMENTS
NUMBER	Description	(FT)	WATER (FT)	WAI	ER (FT)	 	
EPA-MW-11D	ft BTOC	74.63	59.07	15	5.56	2 bo	olts missing, 4" pipe
EPA-MW-21	ft BTOC	84.13	66.8 <u>5</u>	17	7.28		all bolts missing
EPA-MW-22	ft BTOC	82.20	_64.38	17	7.82		2 bolts missing
EPA-MW-23	ft BTOC	82.83	64.88	17	7.95	}	1 bolt missing
EPA-MW-27	ft BTOC	69.32	51.84	17	<b>.48</b>		all bolts missing
ST-MW-02	ft BTOC	82.03				partially	paved overcan't open
ST-MW-06	ft BTOC	69.83	45.80	24	1.03	all b	olts missing, 4" pipe
ST-MW-09	ft BTOC	78.13	63.94	14	.19	two bolts	s missing, broken casing
ST-MW-11	ft BTOC	75.25				underne	eath carcan't measure
ST-MW-12	ft BTOC	87.20	71.42	15	5.78		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	6.97		all bolts missing
<u>ST-MW-20</u>	ft BTOC	84.53	71. <u>59</u>	12	.94	;	all bolts missing

<u>Treatment System:</u> Total Gallons Pumped: Pumping Rate: GPM

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	10/29/2003 10/31/2003		1/2003	11/22/03 - 11/23/03			
Well ID	Top of PVC Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-			<b></b>				
11D	74.63	57.74	16.89	57.94	16.69	60.07	14.56
EPA-MW-21	<u>84.13</u>	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

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---- Not measured

	Top of PVC	12/17/03 - 12/18/03		1/12/2004		2/26/2004	
Well ID	Elevation (ft msl)	DTW (fft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-							
11D	74.63	59.00	<u>15.63</u>	<u>57.52</u>	<u> </u>	56.50	18.13
EPA- <u>M</u> W-21	84.13	64.99	19.14	<u>    66.17  </u>	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 <u>.93</u>	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	1 <u>1.60</u>	54.99	20.79	53.00	22.78
ST-MW-17	86.53	69.99	16.54	69.40	17. <u>13</u>	67.25	19.28
ST-MW-19	82.50	67. <u>21</u>	15.29			65.25	17.25
ST-MW-20	84.53	71.56	12.97	<u>63.51</u>	21.02	61. <u>75</u>	22.78

#### Notes:

ft msl - feet mean sea level ft BTOC - feet below top of casing -- - Not measured

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

	Top of DVC	3/29	/2004	4/5/	2004	5/1	9/2004
Well ID	Elevation (ft msl)	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

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ft BTOC - feet below top of casing

-- - Not measured

		6/14	/2004	7/21/04	- 7/22/04	8/2	/2004
Well ID	Top of PVC Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-							
11D	74.63	<u>59.97</u>	14.66	59.75	14.88	59.75	<u>14.88</u>
EPA-MW-21	84.13	67.00	<u>17.13</u>	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

	9/28/04 - 9/29/04 10/12/		10/12/04	-10/13/04	11/3/2004		
Well ID	Elevation (ft msl)	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

	Top of PVC	VC12/8/2004		1/3/2005		2/7/2005	
Well ID	Elevation (ft msl)	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

		3/22	2/2005	4/11	/2005	5/1	9/2005
Well ID	Top of PVC Elevation (ft msl)	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

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#### Notes:

ft msl - feet mean sea level ft BTOC - feet below top of casing -- - Not measured

	Top of PVC	6/15	/2005	7/7/	2005	8/4	/2005
Well ID	Elevation (ft msl)	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:

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ft msl - feet mean sea level

ft BTOC - feet below top of casing

--- - Not measured

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# Appendix I

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

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Action List Dated August 2005



# August 2005 ACTION LIST SUMMARY

PROJECT:	Stanton Cleaners		JOB NUMBER:		70536
	Great Neck, NY		DATE:	August 2005	
CLIENT:	USACE / USEPA		27.12.		
COMPLETEDITE	. <u>MS</u>			DAT	<u>E PERFORMED</u>
					1
Sami annual ground	votor compling overt				8/29-9/2/07
Semi-annual ground	water sampring event				
					1
					5
OUTSTANDING I	TEMS	/		RECOMMENDED	SOLUTION
OUTSTANDING IT	<u>rems</u>	/		RECOMMENDED	SOLUTION
OUTSTANDING I	<u>rems</u>	/		RECOMMENDED	SOLUTION
OUTSTANDING IT	TEMS			RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a	TEMS	/ d Jewish Academy		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS hit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS nit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS ait breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS nit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS nit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS nit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION
OUTSTANDING IT Replacement of circu Installation of cage a Indoor Air sampling Replacement of Carb	TEMS nit breaker panel. round radon blower at the Long Island Event on Filters at LIHA/R2D2s at Stanton	/ d Jewish Academy Treatment Building		RECOMMENDED	SOLUTION