

Imagine the result

## 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation Bethpage, New York NYSDEC Site #s 1-30-0003A & B

March 30, 2011

David E. Stern Senior Hydrogeologist

VI GLOVONM Carlo San Giovanni

**Project Manager** 

Milad F

Michael F. Wolfert Hydrogeologist/Project Director

#### **2010 Annual Groundwater Monitoring Report**

**Operable Unit 2** Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A&B

Prepared for: Northrop Grumman Systems Corporation

Prepared by: ARCADIS of New York, Inc. Two Huntington Quadrangle Suite 1S10 Melville New York 11747 Tel 631.249.7600 Fax 631.249.7610

Our Ref.: NY001496.0410.00004

Date: March 30, 2011

### **Table of Contents**

i

1.	Introdu	iction	1
2.	Monito	ring Program	1
3.	Remed	ial System Performance Monitoring	2
	3.1	Water Quality, Treatment Efficiencies, and Mass Removal	2
	3.2	Remedial System Pumpage and Discharge	3
	3.3	Troubleshooting/Maintenance Activities	4
4.	Ground	dwater Flow	4
5.	Ground	dwater Quality	5
	5.1	Volatile Organic Compounds	6
		5.1.1 Shallow Zone	6
		5.1.2 Intermediate Zone	6
		5.1.3 Deep Zone	7
		5.1.4 Deep2 Zone and Remedial Wells	8
	5.2	Outpost Monitoring	10
	5.3	Vinyl Chloride Monomer	11
	5.4	GM-38 Area Groundwater Remedial Action	11
	5.5	Cadmium and Chromium	11
	5.6	Tentatively Identified Compounds	11
	5.7	QA/QC Samples and Data Validation	12
6.	Conclu	isions	12
7.	Recom	mendations	13
8.	Refere	nces	14

### **Table of Contents**

### Tables

Table 1	Operational Summary for the On-Site Portion of the Operable Unit 2 Groundwater Remedy, Fourth Quarter 2010, Year 2010, and Period of Record, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 2	Water-Level Measurment Data, January 20, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 3	Water-Level Measurement Data and Remedial Well Specific Capacities, September 21, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 4	Comparison of September 21, 2010 Vertical Hydraulic Gradients to Model-Predicted Gradients, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 5	Concentrations of Volatile Organic Compounds Detected In Intermediate Monitoring Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 6	Concentrations of Volatile Organic Compounds Detected In Deep Monitoring Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 7	Concentrations of Volatile Organic Compounds Detected In Deep2 Monitoring Wells and Groundwater Remedial Wells and Treatment Systems, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 8	Concentrations of Site-Related Volatile Organic Compounds Detected In Outpost Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 9	Concentrations of Tentatively Identified Compounds (TICs) Detected in Groundwater Samples in Year 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 10	Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figures	
Figure 1	Locations of On-Site Groundwater Remedy and Wells, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 2	Water-Table Configuration and Horizontal Groundwater Flow Direction in the Shallow Zone, September 21, 2010, Northrop Grumman Systems Corporation, Bethpage, New York.

## **Table of Contents**

1.	Introdu	uction	1
2.	Monito	ring Program	1
3.	Remed	lial System Performance Monitoring	2
	3.1	Water Quality, Treatment Efficiencies, and Mass Removal	2
	3.2	Remedial System Pumpage and Discharge	3
	3.3	Troubleshooting/Maintenance Activities	4
4.	Ground	dwater Flow	4
5.	Ground	dwater Quality	5
	5.1	Volatile Organic Compounds	6
		5.1.1 Shallow Zone	6
		5.1.2 Intermediate Zone	6
		5.1.3 Deep Zone	7
		5.1.4 Deep2 Zone and Remedial Wells	8
	5.2	Outpost Monitoring	10
	5.3	Vinyl Chloride Monomer	11
	5.4	GM-38 Area Groundwater Remedial Action	11
	5.5	Cadmium and Chromium	11
	5.6	Tentatively Identified Compounds	11
	5.7	QA/QC Samples and Data Validation	12
6.	Conclu	isions	12
7.	Recom	mendations	13
8.	Refere	nces	14

### Tables

Table 1	Operational Summary for the On-Site Portion of the Operable Unit 2 Groundwater Remedy, Fourth Quarter 2010, Year 2010, and Period of Record, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 2	Water-Level Measurment Data, January 20, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 3	Water-Level Measurement Data and Remedial Well Specific Capacities, September 21, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 4	Comparison of September 21, 2010 Vertical Hydraulic Gradients to Model-Predicted Gradients, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 5	Concentrations of Volatile Organic Compounds Detected In Intermediate Monitoring Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 6	Concentrations of Volatile Organic Compounds Detected In Deep Monitoring Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 7	Concentrations of Volatile Organic Compounds Detected In Deep2 Monitoring Wells and Groundwater Remedial Wells and Treatment Systems, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 8	Concentrations of Site-Related Volatile Organic Compounds Detected In Outpost Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 9	Concentrations of Tentatively Identified Compounds (TICs) Detected in Groundwater Samples in Year 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Table 10	Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figures	
Figure 1	Locations of On-Site Groundwater Remedy and Wells, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 2	Water-Table Configuration and Horizontal Groundwater Flow Direction in the Shallow Zone, September 21, 2010, Northrop Grumman Systems Corporation, Bethpage, New York.

### **Table of Contents**

Figure 3	Potentiometric Surface Elevation and Horizontal Groundwater Flow Direction in the Intermediate Zone, September 21, 2010, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 4	Potentiometric Surface Elevation and Horizontal Groundwater Flow Direction in the Deep2 Zone, September 21, 2010, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 5	Total Volatile Organic Compound Concentrations (Southern and Southwestern Site Boundary) in OU2 Remedial Wells and On-Site Monitoring Wells GM-33D2 and GM-73D2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 6	Total Volatile Organic Compound Concentrations (Southeastern Site Boundary) in On-Site Deep and Deep2 Monitoring Wells and OU2 Remedial Wells 18 and 19, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 7	Total Volatile Organic Compound Concentrations in On-Site Intermediate and Deep Monitoring Wells, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 8	Total Volatile Organic Compound Concentrations in Off-Site Deep Monitoring Wells (Southeast of the Site), Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 9	Total Volatile Organic Compound Concentrations in Off-Site Deep2 Monitoring Wells (Southeast of the Site), Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 10	Total Volatile Organic Compound Concentrations in Off-Site Deep and Deep2 Monitoring Wells (South of the Site), Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 11	Total Volatile Organic Compound Concentrations in GM-38 Area (Off-Site) Deep and Deep2 Monitoring Wells, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 12	Total Cadmium Concentrations in Monitoring Wells Near Former Plant 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 13	Total Chromium Concentrations in Monitoring Wells Near Former Plant 2, Northrop Grumman Systems Corporation, Bethpage, New York.
Figure 14	Total Chromium Concentrations in Monitoring Wells Near Former Plant 1, Northrop Grumman Systems Corporation, Bethpage, New York.

### Appendix

А Groundwater Sampling Logs and Chain of Custody Records

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

### 1. Introduction

This Groundwater Monitoring Report was prepared to document the operation, maintenance, and monitoring (OM&M) activities conducted for the on-site portion of the Operable Unit 2 (OU2) groundwater remedy (i.e., the Tower 96 and Tower 102 remedial systems), Northrop Grumman Systems Corporation (Northrop Grumman), Bethpage, New York facility (Site No. 1-30-003A), the results of ongoing inorganic monitoring near former Northrop Grumman Plants 1 and 2, the results of groundwater monitoring of volatile organic compounds (VOCs) in downgradient (off-site) areas, and results of outpost monitoring of VOCs in peripheral portion of the off-site plume. These activities were conducted by Northrop Grumman, in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved methodologies and procedures (see Section 2 for details) to meet the remedial objectives set forth in the March 2001 OU2 Record of Decision (ROD) (NYSDEC 2001).

This report describes the performance and effectiveness monitoring of the on-site portion of the OU2 groundwater remedy for the period October 11, 2010 through January 10, 2011, which is referred to in this report as the Fourth Quarter 2010 report period, or the current period. This report also constitutes the 2010 Annual Report, and compares the current data to the previous three 2010 quarterly reports issued by ARCADIS (2010a; 2010b; 2010c) and to longer-term data trends, as applicable.

The monitoring program, as well as the findings, conclusions, and recommendations discussed in this report, will be re-evaluated as additional data become available.

The off-site portion of the OU2 groundwater remedial system (i.e., the GM-38 Area System) was designed, constructed, and is operated, monitored, and maintained by the US Navy. OM&M reports for the GM-38 Area System are prepared by the US Navy and submitted to the NYSDEC, under separate cover.

### 2. Monitoring Program

The results obtained from monitoring activities conducted during this reporting period are provided in Tables 1 through 10 and are described and discussed in the following report sections: Remedial System Operational Performance (Section 3), Groundwater Flow (Section 4), and Groundwater Quality (Section 5). The locations of the Northrop Grumman site, the OU2 on-site groundwater remedy, the neighboring properties (i.e., the former Bethpage Facility Naval Weapons Industrial Reserve Plant [NWIRP] and

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

former Occidental Chemical Corporation [OCC]/RUCO Polymer Corporation sites), and existing wells utilized in the monitoring programs are shown on Figure 1.

Except as described in Tables 1 through 10 and in Sections 3, 4, and 5 of this report, the procedures, methodologies, and monitoring network utilized are consistent with those previously used and specified in the NYSDEC-approved OU2 Groundwater Monitoring Plan (ARCADIS Geraghty & Miller, Inc. 2001), as modified in June 2006 (ARCADIS G&M, Inc. 2006), and the Public Water Supply Contingency Plan (PWSCP) (ARCADIS G&M Inc. 2003a).

Appendix A of this report contains the field documentation for monitoring activities performed during 2010 by ARCADIS (i.e., groundwater sampling logs and chain-of-custody records).

### 3. Remedial System Performance Monitoring

This report section summarizes the routine performance monitoring conducted during the Fourth Quarter and Year 2010 for the on-site portion of the OU2 groundwater remedy, which includes the following:

- 1. Remedial well water quality monitoring, remedial treatment systems effluent water quality monitoring, remedial treatment system efficiency monitoring, and determination of volatile organic compound (VOC) mass removal, and
- 2. Monitoring of remedial well pumpage and remedial treatment system treated effluent discharge to on-site recharge basins.

Also summarized in this report section are the remedial treatment system and remedial well troubleshooting and non-routine maintenance activities performed by ARCADIS and Northrop Grumman during the Fourth Quarter 2010.

#### 3.1 Water Quality, Treatment Efficiencies, and Mass Removal

Tables 1 and 7 provide the total VOC (TVOC) concentrations in the remedial wells. Additionally, Table 1 provides remedial well TVOC concentrations and treatment efficiencies for the Tower 96 and Tower 102 remedial treatment system air strippers for the current period, VOC mass removed by the remedial wells for the current period and Year 2010, and cumulative TVOC mass removed since the startup of Tower 102.

TVOC concentrations from the remedial wells ranged from 103 micrograms per liter ( $\mu$ g/L) (Well 18) to 2,900  $\mu$ g/L (Well 3) during this period (Table 1). The discussion of water quality data and trends for the remedial wells is provided in Section 5.1.4 of this report.

A total of approximately 2,613 pounds of VOCs were removed from the aquifer by the remedial wells and treated during the current period. For Year 2010, approximately 8,729 lbs of VOC mass were removed from the aquifer and treated by the OU2 remedial systems. Since full-time startup of Tower 102 in November 1998, approximately 155,640 lbs of VOCs have been removed from the aquifer and treated by the Tower 96 and Tower 102 remedial systems.

Northrop Grumman's State Pollutant Discharge Elimination System (SPDES) discharge monitoring results (for Permit No. NY0096792) are representative of treated water quality and are used in calculating remedial system treatment efficiency and determining the quality of water returned to the aquifer. SPDES discharge monitoring data are documented on a monthly basis by Northrop Grumman and transmitted to the NYSDEC, under separate cover, in Discharge Monitoring Reports (DMRs). Northrop Grumman Outfalls 006 and 005, respectively, represent the termini of the Tower 102 and Tower 96 system effluent water (i.e., the inlets to the South Recharge Basins and West Recharge Basins). Based on VOC concentrations in the remedial wells and the SPDES discharge for the current period, the remedial system treatment efficiencies for the Tower 96 and Tower 102 components were calculated to be greater than 99.9 percent and 99.8 percent, respectively.

#### 3.2 Remedial System Pumpage and Discharge

Table 1 summarizes the remedial well pumpage (with comparison to design criteria) for the current period and Year 2010. For the current period, Remedial Wells 1, 3, 17, 18, and 19 collectively pumped approximately 392 million gallons (MG) of groundwater, which is equivalent to 79 percent of the design remedial well pumpage volume (498 MG). For Year 2010, the remedial system pumped approximately 1,810 MG, equivalent to 89 percent of the total design remedial well pumpage volume (2,030 MG). Redevelopment of two of the five on-site remedial wells in 2010 resulted in longer periods of downtime than typical; therefore the total pumpage for the year was calculated to be less than the design values for these wells this year. Additional details are provided in Table 1 and in Section 3.3.

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

Based on measurements collected by ARCADIS for the current period, the South Recharge Basins collectively received the treated effluent discharge from Tower 102 along with incidental stormwater runoff and minor contribution of treated effluent from Tower 96 for a total average of approximately 3,559 gpm, equivalent to 466.3 MG.

Based on raw water consumption information provided by Calpine Energy (Calpine) to Northrop Grumman, the weighted average facility demand by Calpine for this period was 48 gpm. Subtraction of the flows to Tower 102 and to Calpine Energy from the total flow to Tower 96(from Wells 1 and 3) resulted in the calculation that the West Recharge Basins received an average treated effluent discharge rate from the Tower 96 of approximately 1,174 gpm this period, equivalent to 153.8 MG.

#### 3.3 Troubleshooting/Maintenance Activities

During 2010, the specific capacities of Remedial Wells 1 and 3 decreased to a degree where re-development of the wells was required to continue long-term operation. The wells individually were taken off-line for redevelopment. Remedial Wells 3 and 1 were redeveloped during the Third and Fourth Quarters of 2010, respectively (Well 1 redevelopment was completed in February 2011). As with prior events, the wells were video logged prior to and following re-development. Standing and first draw well water was sampled and analyzed by Water Systems Engineering, Inc. to identify the cause of the loss of efficiency and determine the best approach to chemical and physical redevelopment. Re-development of the wells was performed by Delta Well and Pump Co., Inc. with oversight/coordination provided by ARCADIS. With prior approval, development waters were sampled and discharged to the Nassau County sanitary sewer. Both re-development efforts resulted in significant improvement in specific capacity. For Well 3, as an additional precaution, the setting of the submersible pump was deepened. Additionally, the submersible pump was replaced in Well 1.

Other minor short-term repairs, testing of new component systems, and temporary power outages were noted pertaining to the on-site portion of the OU2 Groundwater Remedy in 2010, no non-routine shut down activities took place.

#### 4. Groundwater Flow

During 2010, hydraulic monitoring was performed semi-annually, specifically on January 20, 2010 and September 21, 2010. Tables 2 and 3 provide the First and Third Quarter 2010 water-level measurement data, respectively. Table 4 summarizes vertical hydraulic gradients for key monitoring well pairs, which were calculated using

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

the September 2010 water-level measurements, and compares these gradients to model-predicted gradients. Figures 2, 3, and 4 depict groundwater elevations and flow directions in the shallow (water table), intermediate, and deep2 (D2) zones, respectively.

Based on the hydraulic monitoring results obtained from the 2010 semi-annual events, groundwater flow conditions are consistent with prior years during which the OU2 remedial system was determined to be providing hydraulic containment of VOCs in groundwater on the Northrop Grumman and NWIRP sites. Specifically, the data indicate vertical hydraulic gradients in the shallow-intermediate wells pairs are oriented downward and are generally close to or greater than model-predicted values (Table 4). As shown on Figures 2 and 3, mounding of the water table and potentiometric surface exists in the shallow and intermediate zones, respectively, extending beneath the South Recharge Basins and across the Northrop Grumman site southern boundary. Downward vertical gradients were also present in the intermediate-deep and deepdeep2 well pairs; supporting the conclusion that groundwater is flowing in a predominantly vertical direction in these zones along the Northrop Grumman site southern boundary. Data obtained in Year 2010 indicates that the combination of shallow recharge at the South Recharge Basins coupled with pumpage of the remedial wells in the D2 zone forms a hydraulic barrier to groundwater flow that is preventing the off-site migration of VOC-impacted groundwater. The capture zone formed by the combined pumpage of OU2 remedial wells extends approximately 600 feet downgradient of Remedial Well 17 (Figure 4).

As part of the ongoing evaluation of the regional plume, the groundwater flow model was recently updated. Simulated pumping rates for public supply wells and remedial wells represented in the model were updated to reflect average pumping rates for the period of 2004 to 2007. In future reports, Table 4 will be updated to compare observed vertical gradient to those predicted by the updated groundwater flow model.

#### 5. Groundwater Quality

This report section describes the analytical results of the various groundwater quality monitoring activities conducted during the Fourth Quarter 2010. Analytical results are summarized in Tables 5 through 10.

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

#### 5.1 Volatile Organic Compounds

The evaluation of VOC concentrations is presented herein in consideration of the following factors: (1) proximity to the hydraulic barrier formed by the on-site portion of the OU2 groundwater remedy (i.e., upgradient, along the Northrop Grumman site southern boundary, and downgradient of the hydraulic barrier), (2) hydrogeologic zone (i.e., shallow, intermediate, deep, and D2 zones), and (3) NYSDEC Standards, Criteria, and Guidance (SCGs) Values.

Tables 5 through 10 provide the complete analytical results of samples collected for VOC analysis from monitoring wells, remedial wells, outpost wells, and remedial treatment systems for this period. Time-concentration graphs depicting the long-term VOC concentration trends are shown on Figures 5 through 11.

#### 5.1.1 Shallow Zone

The analytical results of monitoring in the shallow zone in during 2010 are provided in prior quarterly reports (ARCADIS 2010a; 2010b, and 2010c) and these data are incorporated herein by reference. Shallow wells sampled during the First and Third Quarters of 2010 (i.e., Wells FW-03, N-10631, GM-15S, GM-21S, GM-78S, HN-40S, and HN-42S) exhibited no exceedances of VOCs, with the exceptions of Wells FW-03 (tetrachloroethene [PCE]) and GM-15S (trichloroethene [TCE]), which exhibited VOC concentrations slightly above NYSDEC SCGs. Well FW-03 is located on the former NWIRP site, upgradient of the OU2 Groundwater Remedy. Well GM-15S is located at the Northrop Grumman southeastern boundary. These monitoring wells are within the capture zone of the OU2 remedial system; therefore, groundwater in this area is hydraulically contained and, over time, will be extracted and treated.

Shallow wells located near or immediately downgradient of the Northrop Grumman site southern boundary (i.e., Wells N-10631, GM-21S and GM-78S) continue to exhibit results similar to data collected since the start up of the OU2 Groundwater Remedy in November 1998, confirming that the operation of the on-site portion of the OU2 groundwater remedy has formed an effective hydraulic barrier that prevents the off-site migration of VOC-impacted groundwater in the shallow zone.

#### 5.1.2 Intermediate Zone

Fourth Quarter 2010 analytical data for the intermediate monitoring wells are provided in Table 5. Intermediate wells sampled during this period (i.e., Wells GM-20I, GM-21I,

and GM-79I) are located immediately downgradient of the Northrop Grumman site southern boundary.

Laboratory results indicated no detections of VOCs along the Northrop Grumman site southern boundary during this period or Year 2010 (acetone detected in Well GM-79I is not considered site-related). These analytical results confirm that the operation of the on-site portion of the OU2 groundwater remedy has formed an effective hydraulic barrier that prevents the off-site migration of VOC-impacted groundwater in the intermediate zone.

5.1.3 Deep Zone

Groundwater monitoring data from the deep zone for the Fourth Quarter 2010 are summarized in Table 6 and data trends for key wells are shown on Figures 6, 7, 8, 10, and 11. Data trend graphs include key wells with detectable concentrations of VOCs that were sampled in Year 2010.

Well GM-13D, which was last sampled during the Third Quarter 2010 (ARCADIS 2010c) and is located on-site and upgradient of the OU2 Groundwater Remedy, continues to exhibit an overall downward trend in TVOC concentrations (Figure 7).

Wells GM-15D and GM-74D, which were also last sampled during the Third Quarter 2010 (ARCADIS 2010c) and are located on-site along the Northrop Grumman site southern and southeastern boundaries (respectively) and upgradient of the remedial wells, did not exhibit exceedances in the Year 2010. The other four deep monitoring wells (i.e., Wells GM-39D<sub>A</sub>, GM-39D<sub>B</sub>, and GM-73D), also last sampled during the Third Quarter 2010 (ARCADIS 2010c), are located on-site, along the Northrop Grumman site southern boundary and upgradient of the remedial wells (Figure 1), exhibited SCG exceedances in the Year 2010. These monitoring wells are within the capture zone of the remedial wells; therefore, groundwater in this area horizontally and vertically is hydraulically contained and, over time, and will be extracted and treated.

Groundwater quality data (Table 6) from off-site wells immediately downgradient of the Northrop Grumman site (i.e., Wells GM-20D and GM-21D) exhibited no VOC exceedances during this period and Year 2010; Well GM-79D continues to exhibit a downward trend (Figure 8).

Other off-site wells located further downgradient of the hydraulic barrier in the portions of the groundwater VOC plume not actively remediated exhibited TVOC concentrations

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

consistent with the previously observed concentrations. Well GM-34D, a deep well located within the GM-75 Area, has historically, and for the current period, exhibited VOCs exceeding SCGs. Since December 2006, Well GM-34D has exhibited a decreasing trend in VOC concentrations (Figure 10). Well GM-34D is located south of Well GM-75D2 (Figure 1 – see Section 5.1.4 for additional detail). The Navy completed drilling of vertical profile borings as part of an additional investigation of the GM-75 Area in 2009; a report for this drilling program was submitted separately to NYSDEC.

In the off-site GM-38 Area, located southeast of the Site, Well GM-38D shows significant decrease in TVOC concentrations since the Navy GM-38 Area Remedy started up in September 2009, with the Fourth Quarter 2010 concentration representing the lowest level observed for the period of record (Figure 11). Refer to reports prepared by the Navy for additional details on the OM&M of the GM-38 Groundwater Remedy.

Groundwater quality data from the deep zone continues to support the previous observation that the bifurcation of the VOC plume (i.e., development and growth of a zone of groundwater with no detectable VOCs downgradient of the Northrop Grumman southern boundary that separates the on-site and off-site plumes and that results from the hydraulic containment of the on-site plume at the Northrop Grumman southern boundary) is occurring as shown by no VOC detections in wells located within the capture zone immediately off site. SCG exceedances continue to persist in wells screened in the off-site portion of the groundwater VOC plume not actively remediated.

In general, the water quality data from the deep wells sampled during the current period and Year 2010 continue to support the interpretation of the hydraulic data and confirm that the operation of the on-site portion of the OU2 groundwater remedy has formed an effective hydraulic barrier that prevents the off-site migration of VOC-impacted groundwater in the deep zone.

#### 5.1.4 Deep2 Zone and Remedial Wells

Groundwater monitoring data from the D2 zone are summarized in Table 7 and data trends are presented on Figures 5, 6, 9, 10, and 11. The data trend graphs were prepared for key wells with detectable VOC concentrations that were sampled this period; the data trend graphs are discussed below.

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

Well GM-33D2 located along the southwestern boundary of the Northrop Grumman site, exhibited three VOCs (i.e., Freon 113, TCE, and PCE, see Table 7) that exceeded SCGs in this period, with similar exceedances occurring the first three quarters of Year 2010. The overall trend in TVOC concentrations in Well GM-33D2 remains downward, consistent with the long-term trend (Figure 5). Well GM-73D2 located along the Northrop Grumman site southern property boundary, exhibits a overall downward trend, with the recent (since 2008) trend being stable with VOC concentrations at or close to 60 ug/L (Figure 5). The other Northrop Grumman site boundary D2 wells (i.e., Wells GM-15D2 [located along the southeastern property boundary] and GM-74D2[located along the southern property boundary]) continue to exhibit stable VOC trends, with concentrations less than 60 µg/L (Figure 6). Wells GM-15D2, GM-33D2, GM-73D2, and GM-74D2 are located within the capture zone of the remedial wells (which are screened in the D2 zone) and, therefore, groundwater in this area vertically and horizontally is hydraulically contained and over time will be extracted and treated by the on-site portion of the OU2 groundwater remedy.

Off-site Wells GM-34D2, GM-35D2 and GM-75D2, located within the off-site GM-75 Area, had one or more SCG exceedances each during this period, with TVOC concentrations of 270  $\mu$ g/L, 162  $\mu$ g/L and 139  $\mu$ g/L, respectively (Table 7). These data are consistent with concentrations expected in the off-site portion of the VOC plume not actively remediated. TVOC concentrations in Well GM-75D2 (Figure 10) have shown a decreasing trend since the Year 2002. Well GM-34D2 continues to exhibit an increasing trend in TVOC concentrations. The data indicate that TVOC concentrations in Well GM-35D2 (Figure 10) exhibit a slight downward trend since 2002. Section 5.1.3 of this report provides information on Navy activity in the GM-75 Area.

The off-site GM-38 Area monitoring results for Year 2010 were provided in prior reports (ARCADIS 2010 a; 2010c). TVOC concentrations in Well GM-38D2 have decreased since Year 2002 (Figure 11). Concentrations have decreased more rapidly since the startup of the GM-38 Area remedial system in September 2009, with the current concentration representing the lowest level observed through the period of record. Section 5.1.3 of this report provides information on Navy activity in the GM-38 Area.

The other off-site D2 zone monitoring wells continue to exhibit stable to decreasing TVOC concentration trends.

For the remedial wells, TVOC concentrations ranged from 103  $\mu$ g/L (Well 18) to 2,900  $\mu$ g/L (Well 3) in the current period (Table 7). With the exception of Well 19, the remedial wells exhibit overall stable to decreasing trends since mid-2006 (Figures 5

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

and 6). Well 3 continues to exhibit the highest TVOC concentrations. Well 19 has exhibited an increasing trend for the period of record. Refer to Section 3 of this report for a discussion of remedial well performance and VOC mass removed.

In general, the water quality data from the D2 wells sampled during the current period and Year 2010 continue to support the previous conclusion that the observed bifurcation of the VOC plume is occurring along the Northrop Grumman site southern boundary and interpretation of the hydraulic data and confirm that the operation of the on-site portion of the OU2 groundwater remedy has formed an effective hydraulic barrier that prevents the off-site migration of VOC-impacted groundwater in the D2 zone.

#### 5.2 Outpost Monitoring

The results of the current outpost well monitoring round are provided in Table 8. The complete description of the procedures to collect groundwater samples from the outpost wells and evaluate and document the results is provided in the PWSCP (ARCADIS G&M, Inc., 2003b).

VOCs were not detected in Outpost Wells OW1-2, OW1-3, OW2-1, OW3-1, and OW3-2 during this period. Outpost Well OW1-1exhibited detections of site-related VOCs below their respective SCGs, but above the TVOC outpost trigger values this period. Freon 113 was detected in Wells OW4-1 and OW4-2 but at concentrations less than its respective SCG and trigger value. As no new exceedances of outpost trigger value occurred in Year 2010, no new notification/reporting of the initial trigger value exceedances, as outlined in the PWSCP (ARCADIS G&M, Inc., 2003b), were needed. Navy completed repairs to Outpost Wells OW1-3, OW2-1, and OW2-2 in 2010 and is in the process of re-installing the dedicated sampling systems (pumps/packers) in these wells.

Navy is currently drilling and sampling groundwater from vertical profile borings and installing additional outpost wells near Aqua New York Water District's Seaman's Neck Road wellfield and South Farmingdale Water District's Plant No. 1 wellfield to provide additional data delineating the vertical and horizontal extent of VOCs in groundwater in these areas.

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

#### 5.3 Vinyl Chloride Monomer

Vinyl chloride monomer (VCM) was detected in Well 3 during this period and the Year 2010, but was not detected in the other remedial wells or monitoring wells sampled this period. Implementation of remediation of groundwater to address VCM upgradient (northwest) of Well 3 is currently underway by Occidental Chemical Corporation (OCC) under USEPA oversight.

#### 5.4 GM-38 Area Groundwater Remedial Action

In 2009, the Navy commenced operation of the GM-38 Area Groundwater Remedy, consisting of two remedial wells, Wells RW-1 and RW-3, pumping at a combined rate of 1,100 gpm. Periodic OM&M reports are being prepared under separate cover by the Navy describing the environmental effectiveness and operational compliance sampling activities of the GM-38 Area system.

### 5.5 Cadmium and Chromium

Cadmium and chromium analytical results for Year 2010 are provided in prior reports (ARCADIS 2010a; 2010c). Cadmium trends are shown on Figure 12 and total chromium trends are shown on Figures 13 and 14. No cadmium exceedances were detected in Wells N-10631, GM-78S and GM-78I, downgradient of former Northrop Grumman Plant 2 in Year 2010.

Chromium concentrations in wells near the former Northrop Grumman Plant 2 were below the SCG in 2010 (Figure 13)

Since 2006, the chromium concentration trends in the wells near the former Northrop Grumman Plant 1 have been stable to decreasing over time. Notably, the Cr concentration in Well MW-05 has decreased by a factor of three since late 2005 (Figure 14), however data collected in 2010 indicated an increase in Cr concentrations in Wells GM-15S (two most recent rounds) and PLTMW-05 (most recent round).

#### 5.6 Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) detected during Year 2010 are provided in Table 9. Three TICs were detected in samples collected during Year 2010. A review of the cumulative TIC data shows no discernable trends in concentrations or consistency in TIC detections.

#### 5.7 QA/QC Samples and Data Validation

The results of analysis of QA/QC (field blank and trip blank) samples from the current period are provided in Table 10.

ARCADIS performed validation of all groundwater quality data collected (including TICs) by following the contract laboratory program national functional guidelines for organic and inorganic data review (USEPA 1999). The quality of the data is considered acceptable with the qualifications indicated on Tables 5 through 10.

#### 6. Conclusions

ARCADIS has evaluated the hydraulic monitoring and the groundwater quality data collected during 2010, and concludes that the on-site portion of the OU2 Groundwater Remedy is operating as expected and hydraulic containment of the on-site portion of TVOCs in groundwater continues in a manner consistent with previous years. Additionally, the off-site water quality data from wells immediately downgradient of the hydraulic barrier have demonstrated discernable trends over time and continue to show no or trace VOC concentrations or decreasing VOC concentration trends. Groundwater quality data indicates that bifurcation of the VOC plume is continuing in the deep and D2 zones south of the hydraulic barrier.

### 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

## 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

### 7. Recommendations

1. ARCADIS recommends that the frequency of sampling of select monitoring wells be decreased. ARCADIS has prepared a recommendation to NYSDEC on February 1, 2011 that describes the specific recommendations.

## 2010 Annual Groundwater Monitoring Report

Operable Unit 2 Northrop Grumman Systems Corporation, Bethpage, New York NYSDEC Site #s 1-30-0003A & B

### 8. References

- ARCADIS of New York, Inc. (ARCADIS). 2010a. Results for First Quarter 2010 Groundwater Monitoring, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
- ARCADIS of New York, Inc. (ARCADIS). 2010b. Results for Second Quarter 2010 Groundwater Monitoring, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
- ARCADIS of New York, Inc. (ARCADIS). 2010c. Results for Third Quarter 2010 Groundwater Monitoring, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.
- ARCADIS G&M, Inc. 2006. Petition for Recommended Modifications to the Operable Unit 2 Groundwater Monitoring Plan, Northrop Grumman Corporation, Bethpage, New York. June 2006.
- ARCADIS G&M, Inc. 2003a. Public Water Supply Contingency Plan, Naval Facilities Engineering Command. July 22, 2003.
- ARCADIS G&M, Inc. 2003b. 2002 Annual Groundwater Monitoring Report, Northrop Grumman Corporation, Bethpage, New York. August 14, 2003.
- ARCADIS Geraghty & Miller, Inc. 2001. Operable Unit 2 Groundwater Monitoring Plan. Northrop Grumman Corporation, Bethpage, New York. May 11, 2001.
- U.S. Environmental Protection Agency (USEPA). 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review. October 1999.

#### Page 1 of 2

Table 1. Operational Summary for the On-Site Portion of the Operable Unit 2 Groundwater Remedy, Fourth Quarter 2010, Year 2010, and Period of Record, Northrop Grumman Systems Corporation, Bethpage, New York.

Identification	Design Pumping/ Recharge Rate <sup>(a)</sup> (gpm)	4th Quarter Actual Average Pumping/Recharge Rate <sup>(b)</sup> (gpm)	4th Quarter Design Total Pumpage/Recharge (MG)	4th Quarter Actual Total Pumpage/ Recharge (MG)	4th Quarter Percent of Total Design Pumpage/ Recharge	Annual 2010 Design Total Pumpage/Recharge (MG)	Cumulative Year-to-Date Actual Total Pumpage <sup>(b)</sup> (MG)	Annual 2010 Percent of Total Design Pumpage/ Recharge	Current TCE Concentration (ug/L)	Current TVOC Concentration <sup>(c)</sup> (ug/L)	4th Quarter 2010 VOC Mass Removed <sup>(d)</sup> (lbs)	Annual 2010 VOC Mass Removed <sup>(e,f)</sup> (lbs)	Cumulative VOC Mass Removed <sup>(b)</sup> (lbs)
Remedial Wells		Ground	dwater Removed from	Aquifer									
Well 1	800	640	104.8	28.0	27%	427.4	354.2	83%	540	623	145	1,385	32,538
Well 3	700	655	91.7	81.9	89%	374.0	260.9	70%	2,600	2,900	1,978	5,356	67,342
Well 17	1,000	995	131.0	116.0	89%	534.2	519.0	97%	230	273	264	1,039	46,491
Well 18	600	625	78.6	78.6	100%	320.5	317.3	99%	81	103	67	285	4,813
Well 19	700	692	91.7	87.0	95%	374.0	358.1	96%	190	219	159	664	4,456
Rounded Totals:	3,800	3,607	498	392	79%	2,030	1,810	89%		-	2,613	8,729	155,640
Recharge Basins <sup>(a)</sup>		Treated	d Water Recharged to	Aquifer									
West Recharge Basins	0	1,174	0	153.8		0	596.2						
South Recharge Basins	2,231	2,385	292.4	312.5	107%	1,191.9	1,011.1	85%					
Rounded Totals:	2,231	3,559	292	466	160%	1,192	1,607	135%					
Treated Water Sent to 0	Calpine												
Calpine Demand	100-400	48	13-53	6.3		53-214	80 <sup>(g)</sup>						
Treatment Efficiencies		Average	SPDES Outfall TVOC	Concentration	s Fourth Quart	er 2010 (ug/L) <sup>(f)</sup>							

see footnotes on last page

NGC

Table 1. Operational Summary for the On-Site Portion of the Operable Unit 2 Groundwater Remedy, Fourth Quarter 2010, Year 2010, and Period of Record, Northrop Grumman Systems Corporation, Bethpage, New York. (a) - Design remedial well pumping rates based on computer modeling (ARCADIS G& M, Inc. 2003c). Acceptable design recharge rates based on computer modeling. Design pumping and recharge rates were modified in April, 2005. Recharge includes remedial well pumpage (minus Calpine demand, Oxy biosparge system demand, incidental irrigation use, and pipe loss), plus incidental runoff from precipitation. Current average recharge rates have been determined using the entire 91-day span of time as opposed to current average pumping rates, which account for varying amounts of downtime, as indicated below. (b) - OU2 wells were operational during the Fourth Quarter 2010, at the following percentages: Well-1 (33.4%), Well-3 (95.4%); Well-17 (89%), Well-18 (96%), and Well-19 (96%). The Actual Average Pumping Rates and rate of treated water sent to Calpine are for when the wells are pumping. "Cumulative" represents data obtained since system startup through December 2010. - Based on water-level and pumping data presented in Table 3, OU2 remedial well specific capacities remain above the minimum required to sustain the design pumping rates. However, a decrease in specific capacity of Remedial Well 3 was identified, so the well was re-developed in the Second and Third Quarters of 2010. Remedial Well 1 also exhibited a decline specific capacity as well as in pumping rate. Well 1 was also re-developed and the pump replaced during the Fourth Quarter 2010. (c) - The TVOC concentration for each well was calculated based on Fourth Quarter 2010 groundwater monitoring data (Table 7). (d) - TVOC mass removed is based on the TVOC data given above and the following formula: (TVOC concentration in ug/L) X (gallons pumped) X (3.785 L/gal) X (1 x 10<sup>-6</sup> g/ug) X (2.2 x 10<sup>-3</sup> lb/g) (e) Air Stripping Efficiency calculated from values above and in Table 2 using the following formula: Average SPDES TVOC Concentration at Outfall [(TVOC Well 1 X Q Well 1) + (TVOC Well 2 X Q Well 2) etc...] (Q<sub>Well 1</sub> + Q<sub>Well 2</sub> etc..) -When non-detectable levels of VOCs are found in the effluent, a value of zero is used to estimate the efficiency of the air stripper. -Towers 102 and 96 outfalls are identified as Outfalls 005 and 006, respectively (commonly known as the South Recharge Basins and Plant 5 Recharge Basins, respectively). Complete SPDES reporting provided to NYSDEC by NG under separate cover. -A portion of the treated water from the Tower 96 remedial treatment system is provided on demand to the Calpine Energy facility for consumptive use. The demand rate is controlled by a "Cla-Val" located within a subsurface transmission (g) pipeline between Tower 96 and the Calpine Energy facility. Cumulative Year-to-Date Actual Total Pumpage for Treated Water to Calpine based on totalizer values taken January 5, 2010 and January 3, 2011. Not Available or Not Applicable lb/g pounds per gram TVOC Total Volatile Organic Compounds lbs pounds MG grams per microgram Million Gallons g/ug gallons per minute ug/L micrograms per liter gpm OU2 Operable Unit 2 L/gal Liters per gallon SPDES State Pollutant Discharge Elimination System Q Pumping Rate

New York State Department of Environmental Conservation

NYSDEC

Northrop Grumman Corporation



	Measuring Point Elevation	Depth to Water	Water-Level Elevation
Nell Identification	(ft msl)	(ft bmp)	(ft msl)
	(11 113)	(it bilip)	(it insi)
Shallow Wells			
FW-03	124.30	53.89	70.41
N-9921	94.23	30.40	63.83
N-10597	109.85	39.20	70.65
N-10600	102.41	36.96	65.45
N-10631	103.47	36.24	67.23
N-10633	103.80	37.75	66.05
V-10634	101.20	36.00	65.20
V-10821	91.58	32.41	59.17
GM-15S	109.44	42.99	66.45
GM-16SR	115.86	45.40	70.46
GM-17SR	115.79	43.15	72.64
GM-18S	107.60	39.11	68.49
GM-19S	109.86	40.57	69.29
GM-21S	105.81	34.54	71.27
GM-78S	104.94	38.93	66.01
GM-79S (N-10628)	100.88	37.98	62.90
IN-24S	120.32	49.90	70.42
IN-40S	116.35	47.07	69.28
IN-42S	120.32	49.47	70.85
/W-3R	101.45	32.45	69.00
ntermediate Wells			
J-10624	93.61	29.98	63.63
GM-15I	109.25	42.83	66.42
GM-16I	115.81	45.25	70.56
GM-17I	115.83	43.45	72.38
GM-18I	109.03	40.25	68.78
GM-19I	109.86	41.55	68.31
GM-20I	103.88	34.50	69.38
GM-21I	105.72	36.40	69.32
GM-74I <sup>(5)</sup>	107.42	38.42	69.00
GM-78I	105.06	39.22	65.84
GM-79I	100.88	38.34	62.54
HN-241	125.80	53.42	72.38
HN-40I	115.91	46.82	69.09
-IN-42I	119.61	48.77	70.84

Table 2.Water-Level Measurement Data, January 20, 2010, Operable Unit 2,<br/>Northrop Grumman Systems Corporation, Bethpage, New York.

See notes on last page



	Measuring Point		
	Elevation	Depth to Water	Water-Level Elevation
Well Identification	(ft msl)	(ft bmp)	(ft msl)
Deep Wells			
N-10627	93.70	30.42	63.28
GM-13D	113.97	44.03	69.94
GM-15D	109.84	45.09	64.75
GM-17D	115.68	47.38	68.30
GM-18D	108.88	43.10	65.78
GM-20D	103.92	36.46	67.46
GM-21D	105.66	41.12	64.54
GM-34D	71.19	12.55	58.64
GM-36D	91.63	32.89	58.74
GM-37D	97.26	37.06	60.20
GM-38D	91.75	35.95	55.80
GM-39D <sub>A</sub> <sup>(1)</sup>	102.23	36.80	65.43
GM-39D <sub>B</sub> <sup>(1)</sup>	102.08	39.65	62.43
GM-73D(5)	104.87	41.98	62.89
GM-74D(5)	107.43	43.27	64.16
GM-79D	101.25	39.62	61.63
IN-29D	115.11	44.78	70.33
Deep2 Wells			
GM-15D2	109.78	47.65	62.13
GM-33D2	106.85	47.20	59.65
GM-34D2	71.19	14.05	57.14
GM-35D2	96.28	37.68	58.60
GM-36D2	91.60	35.14	56.46
GM-37D2	97.17	37.58	59.59
GM-38D2	91.56	37.76	53.80
GM-70D2	99.58	39.06	60.52
GM-71D2	98.45	39.28	59.17
GM-73D2 <sup>(5)</sup>	104.62	43.95	60.67
GM-74D2 <sup>(5)</sup>	107.36	49.55	57.81
GM-75D2	93.63	33.32	60.31
Vell 1 <sup>(2,5)</sup>	116.78	NM	
Vell 3 <sup>(3,5)</sup>	117.78	125.00	-7.22
Vell 17 <sup>(4,5)</sup>	104.10	76.00	28.10
Nell 18 <sup>(5)</sup>	110.00	63.51	46.49
Vell 19 <sup>(5)</sup>	108.70	64.15	44.55

Table 2.Water-Level Measurement Data, January 20, 2010, Operable Unit 2,<br/>Northrop Grumman Systems Corporation, Bethpage, New York.

See notes on last page



Well Identification	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water-Level Elevation (ft msl)	
Outpost Wells				
BPOW1-1	73.65	27.60	46.05	
BPOW1-2	73.54	28.80	44.74	
BPOW1-3	73.37	28.78	44.59	
BPOW2-1	60.06	NM		
BPOW2-2	59.96	NM		
BPOW3-1	63.19	24.29	38.90	
BPOW3-2	63.72	25.55	38.17	
BPOW4-1	67.34	23.30	44.04	
BPOW4-2	67.18	23.00	44.18	

Table 2.Water-Level Measurement Data, January 20, 2010, Operable Unit 2,<br/>Northrop Grumman Systems Corporation, Bethpage, New York.

<sup>(1)</sup> Wells GM-39<sub>A</sub> and GM-39<sub>B</sub> are screened at the approximate midpoint and basal portion of the deep zone, respectively.

<sup>(2)</sup> Water level measurement not recorded due to problems with the airline that in Well 1

<sup>(3)</sup> Water level was measured by inflating airline set at 150 ft bmp (gauge at wellhead) and subtracting the reading on the gauge from 150 to obtain the depth to water in ft bmp.

<sup>(4)</sup> Water level was measured by inflating airline set at 110 ft bmp (gauge at wellhead) and subtracting the reading on the gauge from 110 to obtain the depth to water in ft bmp.

<sup>(5)</sup> Water level measurement was collected on January 21, 2010.

ft msl feet relative to mean sea level

ft bmp feet below measuring point

-- Not Measured



 Table 3.
 Water-Level Measurement Data and Remedial Well Specific Capacities, September 21, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

	Measuring Point Elevation	Depth to Water	Water-Level Elevation	
Well Identification	(ft msl)	(ft bmp)	(ft msl)	
Shallow Wells				
FW-03	124.30	52.82	71.48	
N-9921	94.23	30.73	63.50	
N-10597	109.85	38.10	71.75	
N-10600	102.41	37.05	65.36	
N-10631	103.47	36.59	66.88	
N-10633	103.80	38.46	65.34	
N-10634	101.20	38.82	62.38	
N-10821	91.58	32.86	58.72	
GM-15S	109.44	43.16	66.28	
GM-16SR	115.86	44.66	71.20	
GM-17SR	115.79	42.83	72.96	
GM-18S	107.60	39.06	68.54	
GM-19S	109.86	40.81	69.05	
GM-21S	105.81	35.10	70.71	
GM-78S	104.94	39.18	65.76	
GM-79S (N-10628)	100.88	37.73	63.15	
HN-24S	120.32	48.91	71.41	
HN-40S	116.35	46.52	69.83	
HN-42S	120.32	48.52	71.80	
/W-3R	101.45	32.91	68.54	
ntermediate Wells				
N-10624	93.61	30.37	63.24	
GM-15I	109.25	43.00	66.25	
GM-16I	115.81	44.70	71.11	
GM-17I	115.83	42.98	72.85	
GM-18I	109.03	40.31	68.72	
GM-19I	109.86	41.77	68.09	
GM-20I	103.88	35.13	68.75	
GM-21I	105.72	36.93	68.79	
GM-74I	107.42	39.07	68.35	
GM-78I	105.06	39.45	65.61	
GM-79I	100.88	39.24	61.64	
HN-24I	125.80	52.50	73.30	
HN-40I	115.91	46.35	69.56	
HN-42I	119.61	47.81	71.80	

See notes on last page



Measuring Point

Table 3. Water-Level Measurement Data and Remedial Well Specific Capacities, September 21, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

Measuring Point			
Elevation	Depth to Water	Water-Level Elevation	
(ft msl)	(ft bmp)	(ft msl)	
93.70	31.06	62.64	
113.97	43.41	70.56	
109.84	45.65	64.19	
115.68	46.80	68.88	
108.88	43.33	65.55	
103.92	37.11	66.81	
105.66	41.79	63.87	
71.19	13.70	57.49	
91.63	34.42	57.21	
97.26	38.30	58.96	
91.75	38.86	52.89	
102.23	37.17	65.06	
102.08	39.97	62.11	
107.43			
101.25	40.90	60.35	
	44.02		
109.78	48.48	61.30	
91.56	42.69	48.87	
99.58	40.30	59.28	
98.45	41.83	56.62	
	44.48	60.14	
107.36	50.56	56.80	
93.63	34.70	58.93	
116.78	107.50	9.28	
117.78	143.92	-26.14	
	91.25		
108.70	64.25	44.45	
	Elevation (ft msl) 93.70 113.97 109.84 115.68 108.88 103.92 105.66 71.19 91.63 97.26 91.75 102.23 102.08 104.87 107.43 101.25 115.11 109.78 106.85 71.19 96.28 91.60 97.17 91.56 99.58 98.45 104.62 107.36 93.63 116.78 117.78 104.10 110.00	Elevation (ft msl)Depth to Water (ft bmp)93.7031.06113.9743.41109.8445.65115.6846.80108.8843.33103.9237.11105.6641.7971.1913.7091.6334.4297.2638.3091.7538.86102.2337.17102.0839.97104.8742.45107.4343.90101.2540.90115.1144.02109.7848.48106.8547.5871.1916.5596.2840.0491.6039.1897.1739.4891.5642.6999.5840.3098.4541.83104.6244.48107.3650.5693.6334.70116.78107.50117.78143.92104.1091.25110.0064.15	Elevation (ft msl)         Depth to Water (ft bmp)         Water-Level Elevation (ft msl)           93.70         31.06         62.64           113.97         43.41         70.56           109.84         45.65         64.19           115.68         46.80         68.88           108.88         43.33         65.55           103.92         37.11         66.81           105.66         41.79         63.87           71.19         13.70         57.49           91.63         34.42         57.21           97.26         38.30         58.96           91.75         38.86         52.89           102.23         37.17         65.06           102.08         39.97         62.11           104.87         42.45         62.42           107.43         43.90         63.53           101.25         40.90         60.35           115.11         44.02         71.09           105.66         42.69         48.87           96.28         40.04         56.242           97.17         39.48         57.69           91.56         42.69         48.87           99.58

See notes on last page



Table 3. Water-Level Measurement Data and Remedial Well Specific Capacities, September 21, 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

	Measuring Point			
	Elevation	Depth to Water	Water-Level Elevation	
Well Identification	(ft msl)	(ft bmp)	(ft msl)	
Outpost Wells				
BPOW1-1	73.65	29.98	43.67	
BPOW1-2	73.54	30.95	42.59	
BPOW1-3	73.37	30.99	42.38	
BPOW2-1	60.06	Not taken		
BPOW2-2	59.96	Not taken		
BPOW3-1	63.19	29.22	33.97	
BPOW3-2	63.72	31.05	32.67	
BPOW4-1	67.34	28.05	39.29	
BPOW4-2	67.18	27.62	39.56	

Remedial V	Vell Specific Capaciti	es (*)			
	Pumping Depth to	Static Depth to Water (ft		Third Quarter 2010 Pumping Rate	Specific Capacity
Well ID	Water (ft bls)	<u>bls)</u> <sup>(5)</sup>	Drawdown (s) (ft)	<u>(Q)(gpm)</u> <sup>(6)</sup>	(Q/s)(gpm/ft)
Well 1	107.50	50.00	57.50	848	14.75
Well 3	143.92	50.35	93.57	732	7.82
Well 17	91.25	44.12	47.13	1168	24.78
Well 18	64.15	50.15	14.00	637	45.50
Well 19	64.25	49.13	15.12	675	44.64

### Notes

Notes	
(1)	Wells GM-39 <sub>A</sub> and GM-39 <sub>B</sub> are screened at the approximate midpoint and basal portion of the deep zone, respectively.
(2)	Water level was measured by inflating airline set at 119 ft bmp (gauge at wellhead) and subtracting the
	reading on the gauge from 119 to obtain the depth to water in ft bmp.
(3)	Water level was measured by inflating an airline set at 110 ft bmp (gauge at well head) and subtracting the
(4)	reading on the gauge from 110 to obtain the depth to water in ft bmp.
(4)	Specific capacity values are qualitative in nature, due to fluctuations in static water levels. Sharp declines in specific capacity could indicate the need for well redevelopment.
(5)	For Wells 17, 18, and 19 baseline static depth to water measurements were collected in 1997 prior to OU2 system
	start-up; baseline pumping depth to water and rate measurements (not shown) used with baseline static depth to water
	measurements to calculate baseline specific capacities, were collected in 1999 during OU2 system operation.
	For Well 1, baseline static depth to water was collected in 2010, during pump maintenance.
	For Well 3, baseline static depth to water measurement was collected in 2010, during re-development activities.
	For Well 3, baseline static depth to water measurement was collected in 2010, during re-development activities.
(6)	Pumping rate determined at time of pumping depth to water measurement.
<i>c</i>	

ft msl feet relative to mean sea level feet below measuring point

Not Measured

G:\APROJECT\Northrop Grumman\Superfund\2010\OU2\NY001496.0410 O&M\Task4\_DataValidation  $Reporting \label{eq:lambda} Report \label{eq:lambda} Report \label{eq:lambda} Annual \label{eq:lambda} Report \label{eq:lambda} VA \label{eq:lambda} State \label{eq:lambda} VA \label{eq:lambda} VA \label{eq:lambda} VA \label{eq:lambda} State \label{eq:lambda} VA \label{eq:lambda} VA \label{eq:lambda} State \label{eq:lambda}$ 

ft bmp ---

	Well Screen Midpoint Elevation	Water-Level Elevation	Vertical Gradient <sup>(2)</sup>	Model-Predicted, OU2 Steady-State Vertical Gradient	Increase Compared to Model-Predicted, Steady-State
Well Pair ID	Pair ID (ft msl) (ft msl)		$(ft/ft) * 10^{-3}$	(ft/ft) * 10 <sup>-3</sup>	Vertical Gradient
Shallow-Interme	diate Wells				
GM-15S	34.53	66.28			
GM-15I	9.29	66.25	1.19	4.20	-3.01
GM-16SR	66.77	71.20			
GM-16I	-24.19	71.11	0.99	1.11	-0.12
GM-17SR	50.79	72.96			
GM-17I	5.83	72.85	2.45	4.50	-2.05
GM-19S	59.36	69.05			
GM-19I	-25.14	68.09	11.36	2.44	8.92
GM-21S	40.81	70.71			
GM-21I	-29.28	68.79	27.39	18.44	8.95
GM-78S	39.94	65.76			
GM-78I	5.56	65.61	4.36	8.73	-4.37
GM-79S	35.88	63.15			
GM-79I	-73.91	61.64	13.75	0.91	12.84
Intermediate-De	ep Wells				
GM-15I	9.29	66.25			
GM-15D	-227.34	64.19	8.71	6.52	2.19
GM-17I	5.83	72.85			
GM-17D	-172.32	68.88	22.28	7.86	14.42
GM-18I	9.03	68.72			
GM-18D	-186.12	65.55	16.24	7.74	8.50
GM-20I	3.88	68.75			
GM-20D	-117.08	66.81	16.04	18.22	-2.18
GM-21I	-29.28	68.79			
GM-21D	-177.34	63.87	33.23	43.97	-10.74
GM-74I	8.42	68.35			
GM-74D	-192.57	63.53	23.98	20.17	3.81
GM-79I	-73.91	61.64			
GM-79D	-183.75	60.35	11.74	15.48	-3.74

Table 4. Comparison of September 21, 2010 Vertical Hydraulic Gradients to Model-Predicted Gradients, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

See notes on last page

Vell Pair ID	Well Screen Midpoint Elevation (ft msl)	Water-Level Elevation (ft msl)	Vertical Gradient <sup>(2)</sup> (ft/ft) * 10 <sup>-3</sup>	Model-Predicted, OU2 Steady-State Vertical Gradient (ft/ft) * 10 <sup>-3</sup>	Increase Compared to Model-Predicted, Steady-State Vertical Gradient
eep-Deep 2 We	ells				
GM-15D	-227.34	64.19			
GM-15D2	-436.41	61.30	13.82	14.19	-0.37
GM-18D	-186.12	65.55			
GM-33D2	-403.15	59.27	28.94	12.30	16.64
GM-34D	-242.81	57.49			
GM-34D2	-443.81	54.64	14.18	2.33	11.85
GM-36D	-117.37	57.21			
GM-36D2	-443.40	52.42	14.69	2.75	11.94
GM-37D	-154.74	58.96			
GM-37D2	-282.83	57.69	9.91	3.88	6.03
GM-38D	-238.25	52.89			
GM-38D2	-393.44	48.87	25.90	6.08	19.82
GM-39D <sub>A</sub> <sup>(1)</sup>	-169.77	65.06			
GM-39D <sub>B</sub> <sup>(1)</sup>	-312.92	62.11	20.61	13.46	7.15
GM-73D	-301.13	62.42			
GM-73D2	-437.38	60.14	16.73	18.78	-2.05
GM-74D	-192.57	63.53			
GM-74D2	-444.64	56.80	26.70	28.26	-1.56
N-10627	-198.80	62.64			
GM-75D2	-421.37	58.93	16.67	2.25	14.42

Table 4. Comparison of September 21, 2010 Vertical Hydraulic Gradients to Model-Predicted Gradients, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

(1)

Wells GM-39 $D_A$  and GM-39 $D_B$  are screened at the approximate midpoint and basal portion of the deep zone, respectively.

Vertical hydraulic gradients are calculated as follows:

(Water-Level Elevation<sub>1</sub> - Water-Level Elevation<sub>2</sub>) (Screen Midpoint Elevation<sub>1</sub> - Screen Midpoint Elevation<sub>2</sub>)

1 - Shallower well of pairing

2 - Deeper well of pairing

A positive "+" gradient value indicates a downward hydraulic gradient. A negative "-" gradient value indicates an upward hydraulic gradient.

ft msl feet relative to mean sea level

 Table 5. Concentration of Volatile Organic Compounds Detected in Intermediate Monitoring Wells, Fourth Quarter 2010,

 Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	NYSDEC Standards Criteria <sup>(1)</sup> and Guidance Values (ug/l)	Well: Sample ID: Date:	GM-20I GM-20I 12/14/2010	GM-21I GM-21I 12/14/2010	GM-79I GM-79I 12/13/2010	
1,1,1-Trichloroethane	5		< 5 U	< 5 U	< 5 U	
1,1,2,2-Tetrachloroethane	5		< 5 U	< 5 U	< 5 U	
1,1,2-Trichloroethane	5		< 5 U	< 5 U	< 5 U	
1,1-Dichloroethane	5		< 5 U	< 5 U	< 5 U	
1,1-Dichloroethene	5		< 5 U	< 5 U	< 5 U	
1,2-Dichloroethane	5		< 5 U	< 5 U	< 5 U	
1,2-Dichloropropane	5		< 5 U	< 5 U	< 5 U	
2-Butanone	50		< 50 U	< 50 U	< 50 U	
2-Hexanone	50		< 50 U	< 50 U	< 50 U	
4-methyl-2-pentanone	50		< 50 U	< 50 U	< 50 U	
Acetone	50		< 50 U	< 50 UB	1.4 J	
Benzene	0.7		< 0.7 U	< 0.7 U	< 0.7 U	
Bromodichloromethane	50		< 5 U	< 5 U	< 5 U	
Bromoform	50		< 5 U	< 5 U	< 5 U	
Bromomethane	5		< 5 U	< 5 U	< 5 U	
Carbon Disulfide	50		< 5 U	< 5 U	< 5 U	
Carbon tetrachloride	5		< 5 U	< 5 U	< 5 U	
Chlorobenzene	5		< 5 U	< 5 U	< 5 U	
Chloroethane	5		< 5 U	< 5 U	< 5 U	
Chloroform	7		< 5 U	< 5 U	< 5 U	
Chloromethane	5		< 5 U	< 5 U	< 5 U	
cis-1,2-dichloroethene	5		< 5 U	< 5 U	< 5 U	
cis-1,3-dichloropropene	5		< 5 U	< 5 U	< 5 U	
Dibromochloromethane	5		< 5 U	< 5 U	< 5 U	
Ethylbenzene	5		< 5 U	< 5 U	< 5 U	
Methylene Chloride	5		< 5 U	< 5 U	< 5 U	
Styrene	5		< 5 U	< 5 U	< 5 U	
Tetrachloroethene	5		< 5 U	< 5 U	< 5 U	
Toluene	5		< 5 U	< 5 U	< 5 U	
trans-1,2-dichloroethene	5		< 5 U	< 5 U	< 5 U	
trans-1,3-dichloropropene	5		< 5 U	< 5 U	< 5 U	
Trichloroethylene	5		< 5 U	< 5 U	< 5 U	
Trichlorotrifluoroethane (Freon 113)	5		< 5 U	< 5 U	< 5 U	
Vinyl Chloride	2		< 2 U	< 2 U	< 2 U	
Xylene-o	5		< 5 U	< 5 U	< 5 U	
Xylenes - m,p	5		< 5 U	< 5 U	< 5 U	
Total VOCs			0	0	1.4	

<sup>(1)</sup> Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent value listed.

NYSDEC New York State Department of Environmental Conservation

TOGs Technical and Operational Guidance Series

ug/L Micrograms per liter

VOCs Volatile Organic Compounds



Table 6. Concentration of Volatile Organic Compounds Detected in Deep Monitoring Wells, Fourth Quarter 2010,

Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	NYSDEC Standards Criteria <sup>(1)</sup> and Guidance Values (ug/l)	Well: Sample ID: Date:	GM-20D GM-20D 12/14/2010	GM-21D GM-21D 12/13/2010	GM-34D GM-34D 12/16/2010	GM-79D REP121310 12/13/2010	GM-79D GM-79D 12/13/2010
1 1 1 Trichloroothono	5		< 5	< 5	< 13	< 5	< 5
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	5		< 5 < 5	< 5	< 13	< 5 < 5	< 5 < 5
1,1,2-Trichloroethane	5		< 5	< 5	< 13	< 5	< 5
1,1-Dichloroethane	5		< 5	< 5	1.1 J	< 5	< 5
1,1-Dichloroethene	5		< 5	< 5	6.5 J	< 5	< 5
,	5			< 5 < 5	<b>6.5 J</b> < 13	< 5 < 5	< 5
1,2-Dichloroethane	5		< 5 < 5	< 5 < 5	< 13 < 13	< 5 < 5	< 5 < 5
1,2-Dichloropropane 2-Butanone	5 50		< 5 < 50	< 5 < 50	< 13 < 130	< 5 < 50	< 50 < 50
2-Butanone	50 50		< 50 < 50	< 50 < 50	< 130	< 50 < 50	< 50 < 50
4-methyl-2-pentanone	50 50		< 50 < 50	< 50 < 50	< 130	< 50 < 50	< 50 < 50
Acetone	50 50		< 50 < 50	< 50 < 50	2.8 J	< 50 1.6 J	2.7 J
Benzene	0.7		< 0.7	< 0.7	< 1.8	< 0.7	< 0.7
Bromodichloromethane	50		< 5	< 5	< 13	< 5	< 5
Bromoform	50		< 5	< 5	< 13	< 5	< 5
Bromomethane	5		< 5	< 5	< 13	< 5	< 5
Carbon Disulfide	50		< 5	< 5	< 13	< 5	< 5
Carbon tetrachloride	5		< 5	< 5	< 13	< 5	< 5
Chlorobenzene	5		< 5	< 5	< 13	< 5	< 5
Chloroethane	5		< 5	< 5	< 13	< 5	< 5
Chloroform	7		< 5	< 5	< 13	< 5	< 5
Chloromethane	5		< 5	< 5	< 13	< 5	< 5
cis-1,2-dichloroethene	5		< 5	< 5	5.9 J	< 5	0.32 J
cis-1,3-dichloropropene	5		< 5	< 5	< 13	< 5	< 5
Dibromochloromethane	5		< 5	< 5	< 13	< 5	< 5
Ethylbenzene	5		< 5	< 5	< 13	< 5	< 5
Methylene Chloride	5		< 5	< 5	< 13	< 5	< 5
Styrene	5		< 5	< 5	< 13	< 5	< 5
Tetrachloroethene	5		< 5	< 5	7.9 J	0.74 J	0.65 J
Toluene	5		< 5	< 5	< 13	< 5	< 5
trans-1,2-dichloroethene	5		< 5	< 5	< 13	< 5	< 5
trans-1,3-dichloropropene	5		< 5	< 5	< 13	< 5	< 5
Trichloroethylene	5		< 5	1.7 J	500 D	30	31
Trichlorotrifluoroethane (Freon 113)	5		< 5 < 5	< 5	12 J	30 0.46 J	0.49 J
( )	2		< 5 < 2	< 5 < 2	12 J < 5		< 2
Vinyl Chloride	2 5		< 2 < 5	< 2 < 5	< 5 < 13	< 2 < 5	< 2 < 5
Xylene-o Xylenes - m p	5 5		< 5 < 5	< 5 < 5	< 13 < 13	< 5 < 5	< 5 < 5
Xylenes - m,p	5		< 0	< ប	< 13	< 0	< 0
Total VOCs			0	1.7	537	33	35

(1)

Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent value listed.

**Bold Constituent detected** 

	Constituent exceeds SCG value
NYSDEC	New York State Department of Environmental Conservation
TOGs	Technical and Operational Guidance Series
ug/L	Micrograms per liter
VOCs	Volatile Organic Compounds
J	Value is estimated
D	Value is from secondary dilution

G:\APROJECT\Northrop Grumman\Superfund\2010\OU2\NY001496.0410 O&M\Task4\_DataValidation Reporting\Data\AnnualReport\Table6\_VOCDeepWells\_2010.xlsx

Table 7. Concentration of Volatile Organic Compounds Detected in Deep2 Monitoring Wells, and Groundwater Remedial Wells and Treatment Systems, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	NYSDEC Standards Criteria <sup>(1)</sup> and Guidance Values	Well: Sample ID: Date:		GM-34D2 GM-34D2 12/16/2010	GM-35D2 GM-35D2 12/15/2010	GM-75D2 GM-75D2 12/15/2010	WELL 17 WELL 17 12/13/2010	WELL 18 WELL 18 12/13/2010
	(ug/l)							
1,1,1-Trichloroethane	5		< 5	< 10	< 5	< 5	0.58 J	1.3 J
1,1,2,2-Tetrachloroethane	5		< 5	< 10	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	5		< 5	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5		< 5	< 10	< 5	< 5	1.1 J	1.2 J
1,1-Dichloroethene	5		< 5	1.4 J	0.41 J	1.8 J	2.6 J	4.2 J
1,2-Dichloroethane	5		< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dichloropropane	5		< 5	< 10	< 5	< 5	< 5	< 5
2-Butanone	50		< 50	< 100	< 50	< 50	< 50	< 50
2-Hexanone	50		< 50 < 50	< 100	< 50 < 50	< 50 < 50	< 50 < 50	< 50 < 50
4-methyl-2-pentanone	50		< 50 < 50	< 100	< 50 < 50	< 50 < 50	< 50 < 50	< 50 < 50
Acetone	50		1.3 J	< 100	< 50 < 50	2 J	< 50 < 50	< 50 < 50
Benzene	0.7		< 0.7	< 1.4	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50		< 5	< 10	< 5	< 5	< 5	< 5
Bromoform	50		< 5	< 10	< 5	< 5	< 5	< 5
Bromomethane	5		< 5	< 10	< 5	< 5	< 5	< 5
Carbon Disulfide	50		< 5	< 10	< 5	< 5	< 5	< 5
Carbon tetrachloride	5		< 5	< 10	< 5	< 5	< 5	< 5
Chlorobenzene	5		< 5	< 10	< 5	< 5	< 5	< 5
Chloroethane	5		< 5	< 10	< 5	< 5	< 5	< 5
Chloroform	7		< 5	< 10	< 5	< 5	< 5	< 5
Chloromethane	5		< 5	< 10	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5		0.33 J	5.2 J	0.8 J	0.42 J	3.4 J	1.6 J
	5		<b>0.33 J</b> < 5	<b>3.2 J</b>	<b>0.8 3</b> < 5	<b>0.42 J</b> < 5	<b>3.4 J</b> < 5	< 5
cis-1,3-dichloropropene Dibromochloromethane	5		< 5 < 5	< 10 < 10	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5
Ethylbenzene	5		< 5	< 10	< 5	< 5	< 5	< 5
Methylene Chloride	5		< 5	< 10 < 10	< 5	< 5	< 5	< 5
Styrene	5		< 5	< 10	< 5	< 5	< 5	< 5
Tetrachloroethene	5	r	< J 6.4	11	8	2.8 J	29	12
	5	L.	-		<b>o</b> < 5		_	
Toluene	5 5		< 5 < 5	< 10 < 10	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5
trans-1,2-dichloroethene	5 5		< 5 < 5	< 10 < 10	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5
trans-1,3-dichloropropene	5	F						< 5 <b>81</b>
Trichloroethylene		ŀ	58	250	150	130	230 D	_
Trichlorotrifluoroethane (Freon 113)	5	L	6.3	2.7 J	2.4 J	1.6 J	6.7	1.6 J
Vinyl Chloride	2		< 2	< 4	< 2	< 2	< 2	< 2
Xylene-o	5		< 5	< 10	< 5	< 5	< 5	< 5
Xylenes - m,p	5		< 5	< 10	< 5	< 5	< 5	< 5
Total VOCs			72	270	162	139	273	103

See last page for notes

Table 7. Concentration of Volatile Organic Compounds Detected in Deep2 Monitoring Wells, and Groundwater Remedial Wells and Treatment Systems,Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

NYSDEC tandards Criteria <sup>(1)</sup> ad Guidance Values (ug/l) 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Well: Sample ID: Date:	WELL 19 WELL 19 12/13/2010 0.54 J < 5 < 5 0.89 J 1.5 J 0.54 J < 5 < 50 < 50 < 50 < 50 < 50 < 50 < 50	102 EFFLUENT 102 EFFLUENT 12/13/2010 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5	WELL 1 WELL 1 12/17/2010 < 25 < 25 < 25 < 25 3.4 J < 25 5 J < 250 < 250 < 250 < 250 < 250	WELL 3 WELL 3 12/13/2010 < 100 < 100 < 100 < 100 < 100 < 100 < 1000 < 1000 < 1000	96 EFFLUENT 96 EFFLUENT 12/13/2010 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5
nd Guidance Values (ug/l) 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		12/13/2010 0.54 J < 5 < 5 0.89 J 1.5 J 0.54 J < 5 < 50 < 50 < 50 < 50 < 50	<pre>12/13/2010 &lt; 5 &lt; 5</pre>	12/17/2010 < 25 < 25 < 25 < 25 3.4 J < 25 5 J < 250 < 250 < 250	<pre>12/13/2010 &lt; 100 &lt; 100</pre>	<pre>12/13/2010 &lt; 5 &lt; 5</pre>
(ug/l) 5 5 5 5 5 5 5 5 5 5 5 5 5 5 0 50 50 50	Date:	0.54 J < 5 < 5 0.89 J 1.5 J 0.54 J < 5 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 5 < 5 < 5 < 5 < 50 < 50 <	< 25 < 25 < 25 < 25 <b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250 < 250	< 100 < 100 < 100 < 100 <b>10 J</b> < 100 < 100 < 1000	< 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5
5 5 5 5 5 5 50 50 50 50 50 50 50 50 50 5		< 5 < 5 <b>0.89 J</b> <b>1.5 J</b> < 5 < 50 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 5 < 5 < 5 < 50 < 50 < 50	< 25 < 25 < 25 <b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250	< 100 < 100 < 100 <b>10 J</b> < 100 < 100 < 1000	< 5 < 5 < 5 < 5 < 5 < 5 < 5
5 5 5 5 5 5 50 50 50 50 0.7 50 50		< 5 < 5 <b>0.89 J</b> <b>1.5 J</b> < 5 < 50 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 5 < 5 < 5 < 50 < 50 < 50	< 25 < 25 < 25 <b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250	< 100 < 100 < 100 <b>10 J</b> < 100 < 100 < 1000	< 5 < 5 < 5 < 5 < 5 < 5 < 5
5 5 5 5 50 50 50 50 50 0.7 50 50 50		< 5 0.89 J 1.5 J 0.54 J < 5 < 50 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 5 < 5 < 50 < 50 < 50 < 50	< 25 < 25 <b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250	< 100 < 100 <b>10 J</b> < 100 < 100 < 1000	< 5 < 5 < 5 < 5 < 5
5 5 5 50 50 50 50 50 0.7 50 50 50		0.89 J 1.5 J 0.54 J < 5 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 5 < 50 < 50 < 50 < 50	< 25 <b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250	< 100 <b>10 J</b> < 100 < 100 < 100	< 5 < 5 < 5 < 5
5 5 50 50 50 50 0.7 50 50 50		<b>1.5 J</b> <b>0.54 J</b> < 5 < 50 < 50 < 50 < 50	< 5 < 5 < 5 < 50 < 50 < 50 < 50	<b>3.4 J</b> < 25 <b>5 J</b> < 250 < 250	<b>10 J</b> < 100 < 100 < 1000	< 5 < 5 < 5
5 50 50 50 50 50 0.7 50 50 50		<b>0.54 J</b> < 5 < 50 < 50 < 50 < 50 < 50	< 5 < 5 < 50 < 50 < 50	< 25 <b>5 J</b> < 250 < 250	< 100 < 100 < 1000	< 5 < 5
5 50 50 50 50 0.7 50 50		< 5 < 50 < 50 < 50 < 50	< 5 < 50 < 50 < 50	<b>5 J</b> < 250 < 250	< 100 < 1000	< 5
50 50 50 0.7 50 50 50		< 50 < 50 < 50 < 50	< 50 < 50 < 50	< 250 < 250	< 1000	
50 50 50 0.7 50 50		< 50 < 50 < 50	< 50 < 50	< 250		< 50
50 50 0.7 50 50		< 50 < 50	< 50		< 1000	
50 0.7 50 50		< 50		< 250		< 50
0.7 50 50			< 50		< 1000	< 50
50 50		< 0.7		< 250	< 1000	< 50 B
50			< 0.7	< 3.5	< 14	< 0.7
		< 5	< 5	< 25	< 100	< 5
_		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
50		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
7		0.56 J	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		16	< 5	3.5 J	12 J	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5	Г	7.8	< 5	58	74 J	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5		< 5	< 5	< 25	< 100	< 5
5	Г					< 5
5					-	< 5
						< 2
						< 5
0						< 5
	5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

(1)

Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent value listed.

Bold Constituent detected

	Constituent exceeds SCG value
NYSDEC	New York State Department of Environmental Conservation
TOGs	Technical and Operational Guidance Series
ug/L	Micrograms per liter
VOCs	Volatile Organic Compounds
J	Value is estimated
D	Value is from a secondary dilution.

Table 8. Concentrations of Site-Related Volatile Organic Compounds Detected in Outpost Wells, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

	NYSDEC											
	Standards Criteria	Well:	BPOW 1-1	BPOW 1-2	BPOW 1-3	BPOW 2-1 <sup>(5)</sup>	BPOW 2-2	BPOW 3-1	BPOW 3-2	BPOW 4-1	BPOW 4-1	BPOW 4-2
CONSTITUENT	and Guidance Values <sup>(1)</sup>	Sample ID:	BPOW 1-1	BPOW 1-2	BPOW 1-3	BPOW 2-1	BPOW 2-2	BPOW 3-1	BPOW 3-2	BPOW 4-1	REP122010	BPOW 4-2
(Units in ug/L)	(ug/L)	Date:	12/16/2010	12/16/2010	12/8/2010	12/8/2010	12/8/2010	12/21/2010	12/21/2010	12/20/2010	12/20/2010	12/20/2010
1,1,1-Trichloroethane	5		0.31 J	< 0.5	< 0.5	< 0.5	0.22 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachlroethane	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	5		< 0.5	< 0.5	< 0.5	< 0.5	0.82	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	5		< 0.5	< 0.5	< 0.5	< 0.5	0.32 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	7		< 0.5	< 0.5	< 0.5	< 0.5	0.22 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorotrifluoroethane (Freon 113)	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.84	0.49 J	0.45 J
Tetrachloroethene	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	5		0.89	< 0.5	< 0.5	< 0.5	0.68	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total Site-Related VOCs (2) :			1.2 <sup>(3)</sup>	0	0	0	2.26	0	0	0.84	0.49	0.45
TVOC Trigger Value <sup>(4)</sup> :			0.6	0.6	0.6	NE	NE	1.5	1.5	1.5	1.5	1.5

Note: Outpost Wells OW2-1 and OW2-2 results were obtained from split samples collected when Navy sampled the wells this round.

(1) Standards Critieria and Guidance (SCGs) values based on the Groundwater Feasibility Study Report (ARCADIS Geraherty & Miller, Inc. 2000) are based on the NYSDEC TOGS (NYSDEC 1998); most stringent values listed.

<sup>(2)</sup> Site-related VOCs were established in the Public Water Supply Contingency Plan (PWSCP) (ARCADIS G&M, Inc. 2003).

(3) The TVOC Trigger Value for Cluster 1 was initially exceeded on April 23, 2004; confirmatory sampling and reporting was conducted as per the PWSCP (ARCADIS G&M, Inc. 2003).

<sup>(4)</sup> TVOC Trigger Values were established in the PWSCP (ARCADIS G&M, Inc. 2003).

<sup>(5)</sup> Benzene, which is not site-related VOC, was detected in Outpost Well OW 2-1 on 12/8/10 at 0.25 ug/L.

NYSDEC New York State Department of Environmental Conservation

TOGs Technical and Operational Guidance Series

ug/L Micrograms per liter

- Bold Constituent detected
- VOC Volatile organic compounds
- TVOC Total volatile organic compounds
- NE Not Established
- J Value is estimated
- REP Field replicate sample

 Table 9.
 Concentration of Tentatively Identified Compounds (TICs) Detectected in Groundwater and Trip Blank Samples in Year 2010

 Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent (units in ug/L)	Well: Sample ID: Sample Date:				
g/L)	Sample Date:	4/12/2010	8/6/2010	12/14/2010	12/15/
1,1,2-Tetrafluoroe				6.2 JN	5.2 JN
2-Ethyl- 1-Hexanol Trichlorofluorometh		160 JN			

#### Notes

TICs are identified based on the review of mass spectrometry results via a comprehensive library search of all organic compounds

ug/L Micrograms per liter

Ν	Presumptive evidence of this constituent. Calibration was not ran for this constituent; therefore the results should be used
	for qualitative purposes only.

- J Estimated value
- -- Not identified as a TIC for this sample.
- TB Trip Blank

 
 Table 10.
 Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent (units in ug/L) S	Location ID: Sample ID: Sample Date:	Field Blank <sup>(1)</sup> FB121610 12/16/2010	Trip Blank <sup>(1)</sup> TB120810 12/8/2010	Trip Blank <sup>(1)</sup> TB121610 12/16/2010	Trip Blank <sup>(1)</sup> TB122010 12/20/2010	Trip Blank <sup>(1</sup> TB122110 12/21/2010
			0.5	0.5	0.5	0.5
1,1,1,2-Tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloropropene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,3-Trichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,3-Trichloropropane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4,Trichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-Trimethylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-Chloropropar	ne	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane (EDB)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3,5-Trimethylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-Dichloropropane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2,2-Dichloropropane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone						
2-Chlorotoluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Hexanone						
2-Phenylbutane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Isopropyltoluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-methyl-2-pentanone						
Acetone						
Benzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Disulfide						
Carbon tetrachloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorodifluoromethane (Fred	on 22)					
Chloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-dichloropropene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane (Fre	eon 12)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene		< 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
Hexachloro-1,3-butadiene		< 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5

Notes on last page

 
 Table 10.
 Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent (units in ug/L)	Location ID: Sample ID: Sample Date:	Field Blank <sup>(1)</sup> FB121610 12/16/2010	Trip Blank <sup>(1)</sup> TB120810 12/8/2010	Trip Blank <sup>(1)</sup> TB121610 12/16/2010	Trip Blank <sup>(1)</sup> TB122010 12/20/2010	Trip Blank <sup>(1)</sup> TB122110 12/21/2010
Isopropylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl tert-Butyl Ether		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene Chloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
n-Butylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Styrene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tert-butyl Alcohol		< 20	< 20	< 20	< 20	< 20
tert-Butylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene		0.25 J	< 0.5	< 0.5	0.23 J	< 0.5
trans-1,2-dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-dichloropropene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane (CF	C-11)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorotrifluoroethane (Fre	eon 113)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl Chloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylene-o		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - m,p		< 1	< 1	< 1	< 1	< 1
Total VOCs		0.25	0	0	0.23	0
Notes on last page						

Notes on last page

 
 Table 10.
 Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent (units in ug/L) Si	Well ID: Sample ID: ample Date:	Trip Blank <sup>(2)</sup> TRIP BLANK-20101213 12/13/2010	Trip Blank <sup>(2)</sup> TB121310 12/13/2010	Trip Blank <sup>(2)</sup> TB121410 12/14/2010	Trip Blank <sup>(2)</sup> TB121510 12/15/2010	
1,1,1,2-Tetrachloroethane		< 5	< 5	< 5	< 5	
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	
1,1-Dichloroethane		< 5	< 5	< 5	< 5	
1,1-Dichloroethene						
1,1-Dichloropropene						
I,2,3-Trichlorobenzene						
1,2,3-Trichloropropane						
I,2,4,Trichlorobenzene						
I,2,4-Trimethylbenzene						
I,2-Dibromo-3-Chloropropane	9					
I,2-Dibromoethane (EDB)						
1,2-Dichlorobenzene		< 5	< 5	< 5	< 5	
1,2-Dichloroethane		< 5	< 5	< 5	< 5	
,2-Dichloropropane						
,3,5-Trimethylbenzene						
,3-Dichloropropane						
,4-Dichlorobenzene						
,2-Dichloropropane		< 50	< 50	< 50	< 50	
-Butanone						
-Chlorotoluene		< 50	< 50	< 50	< 50	
-Hexanone						
-Phenylbutane						
-Chlorotoluene						
-Isopropyltoluene		 < 50	< 50	 < 50	 < 50	
		< 50 2 J	< 50 < 50	< 50 1 J	< 50 < 50	
-methyl-2-pentanone		< 0.7	< 0.7	< 0.7	< 50 < 0.7	
acetone Benzene		< 0.7			< 0.7	
Bromobenzene			 < 5			
		< 5		< 5	< 5	
Bromodichloromethane		< 5	< 5	< 5	< 5	
Bromoform		< 5	< 5	< 5	< 5	
Bromomethane		< 5	< 5	< 5	< 5	
Carbon Disulfide		< 5	< 5	< 5	< 5	
Carbon tetrachloride		< 5	< 5	< 5	< 5	
hlorobenzene		 - E		 - E	 - E	
Chlorobromomethane	222	< 5	< 5	< 5	< 5	
hlorodifluoromethane (Freor	1 22)	< 5	< 5	< 5	< 5	
Chloroethane		< 5	< 5	< 5	< 5	
hloroform		< 5	< 5	< 5	< 5	
hloromethane		< 5	< 5	< 5	< 5	
is-1,2-dichloroethene		< 5	< 5	< 5	< 5	
sis-1,3-dichloropropene		< 5	< 5	< 5	< 5	
Dibromochloromethane						
Dibromomethane		< 5	< 5	< 5	< 5	
Dichlorodifluoromethane (Free	on 12)	< 5	< 5	< 5	< 5	
Ethylbenzene						
lexachloro-1,3-butadiene						

Notes on last page

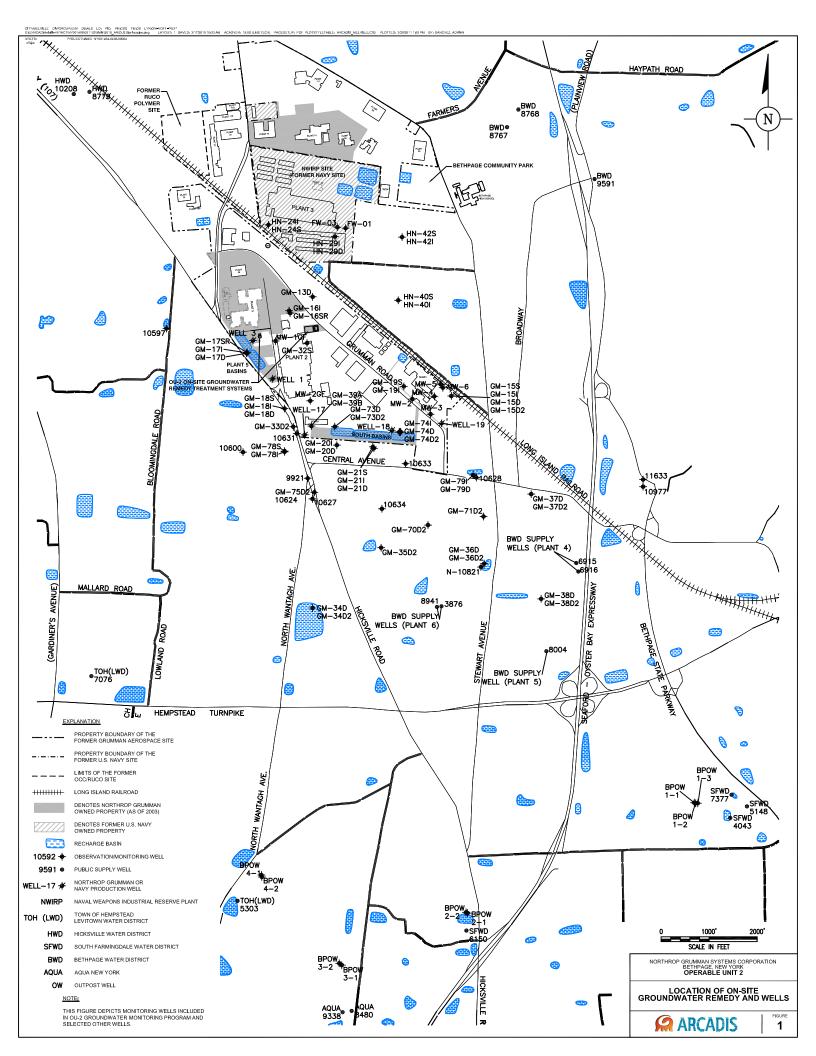
 
 Table 10.
 Concentrations of Volatile Organic Compounds Detected in Blank Samples, Fourth Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

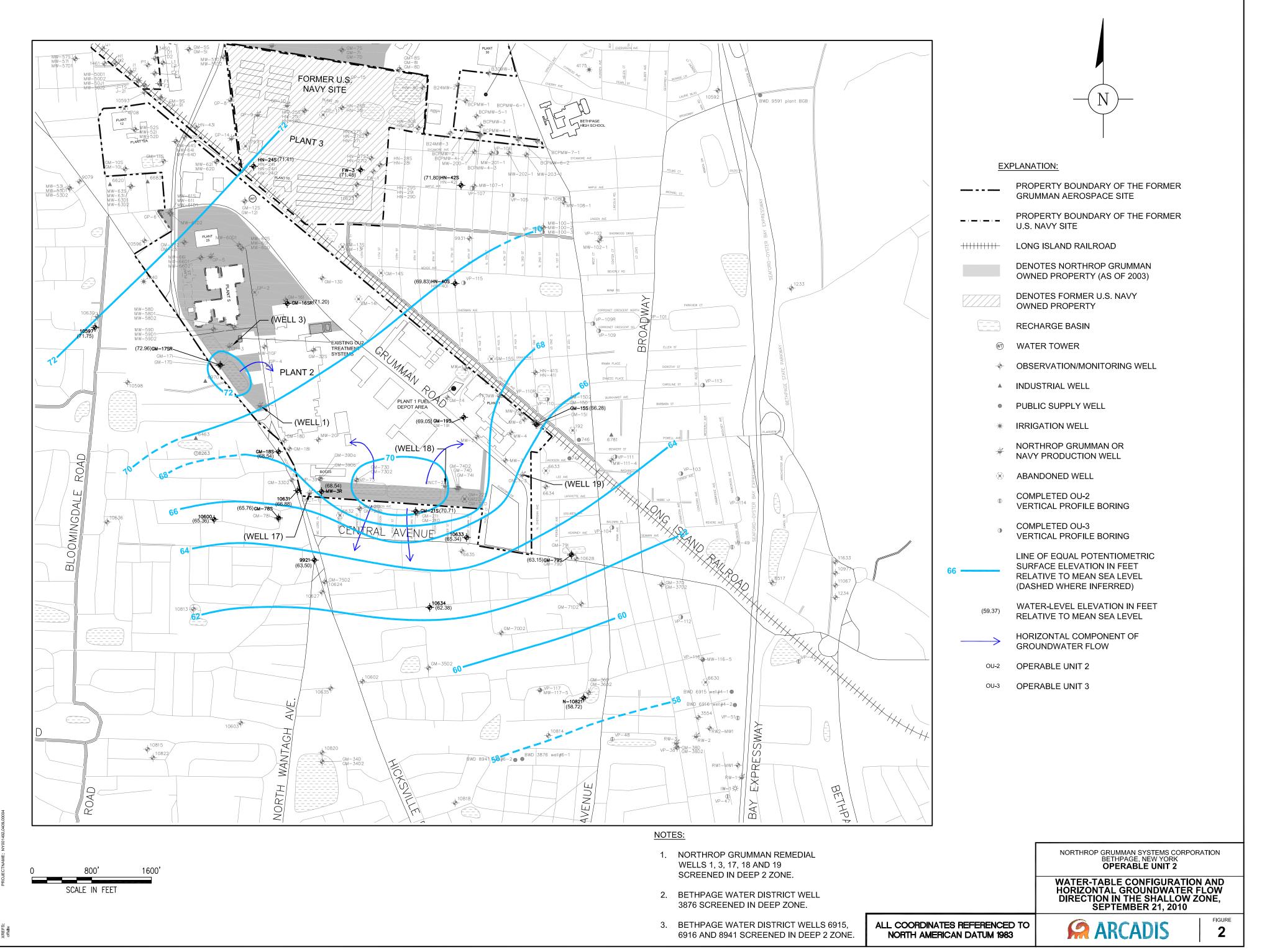
Constituent (units in ug/L)	Well ID: Sample ID: Sample Date:	Trip Blank <sup>(2)</sup> TRIP BLANK-20101213 12/13/2010	Trip Blank <sup>(2)</sup> TB121310 12/13/2010	Trip Blank <sup>(2)</sup> TB121410 12/14/2010	Trip Blank <sup>(2)</sup> TB121510 12/15/2010
Isopropylbenzene					
1,3-Dichlorobenzene					
Methyl tert-Butyl Ether		< 5	< 5	< 5	0.31 BJ
Methylene Chloride		< 5			
Naphthalene					
n-Butylbenzene					
n-Propylbenzene		< 5	< 5	< 5	< 5
Styrene					
Tert-butyl Alcohol					
tert-Butylbenzene		< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5
trans-1,2-dichloroethene		< 5	< 5	< 5	< 5
trans-1,3-dichloropropene		< 5	< 5	< 5	< 5
Trichloroethylene					
Trichlorofluoromethane (Cl	=C-11)	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Fr	eon 113)	< 5	< 2	< 2	< 2
Vinyl Chloride		< 2	< 5	< 5	< 5
Xylene-o		< 5	< 5	< 5	< 5
Kylenes - m,p					
Total VOCs		2	0	1	0.31

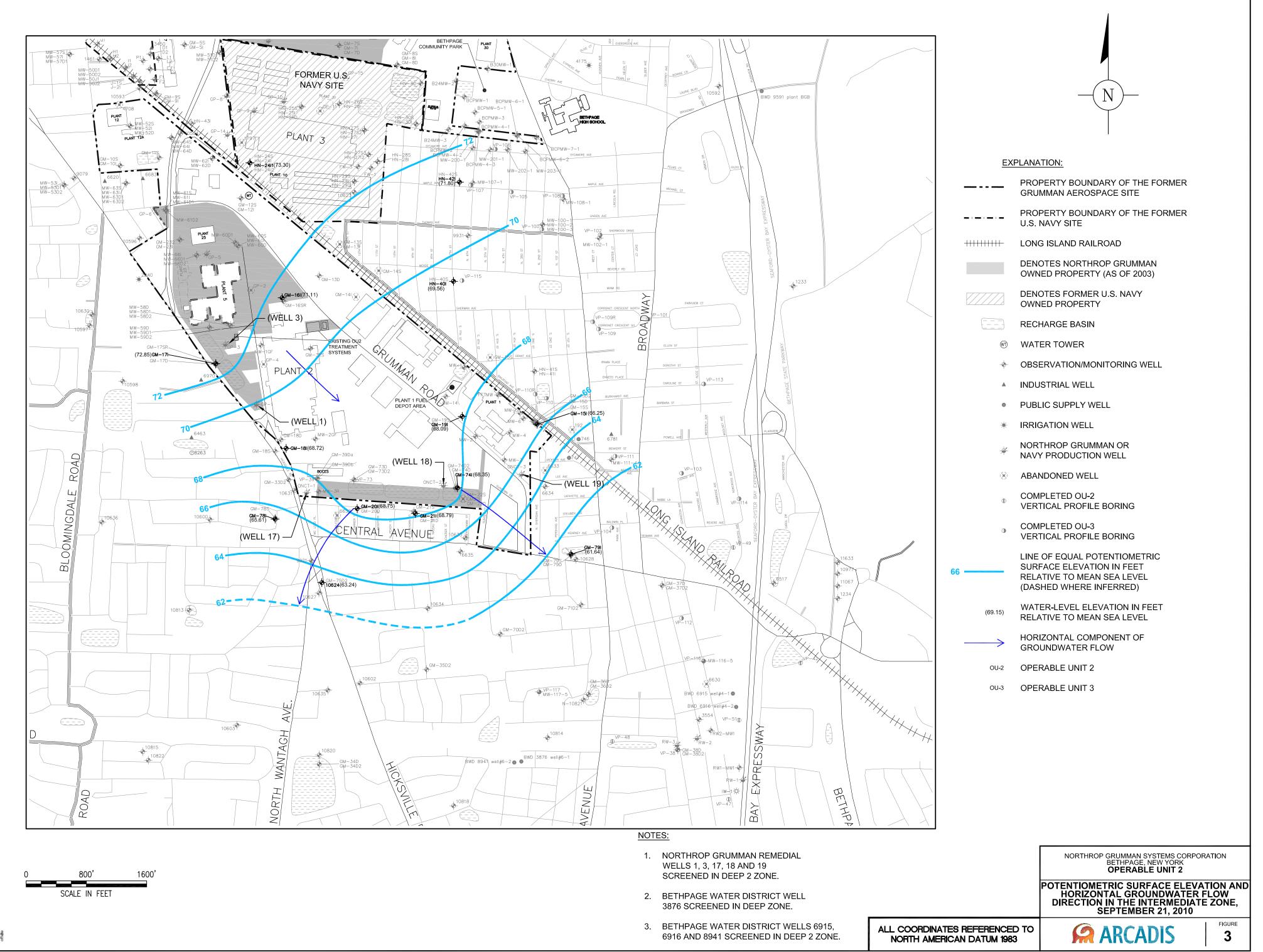
## Notes

<sup>(1)</sup> Sample analysis by CLP Method OLM 4.2.

(2)	Sample analysis by USEPA Method 524.2.							
Bold const	Bold constituent detected							
CLP	Contract Laboratory Procedure							
USEPA	United States Environmental Protection Agency							
	Not Analyzed							
ug/L	Micrograms per liter							
VOCs	Volatile organic compounds							
J	Estimated value							
В	Compound detected in associated laboratory blank sample							

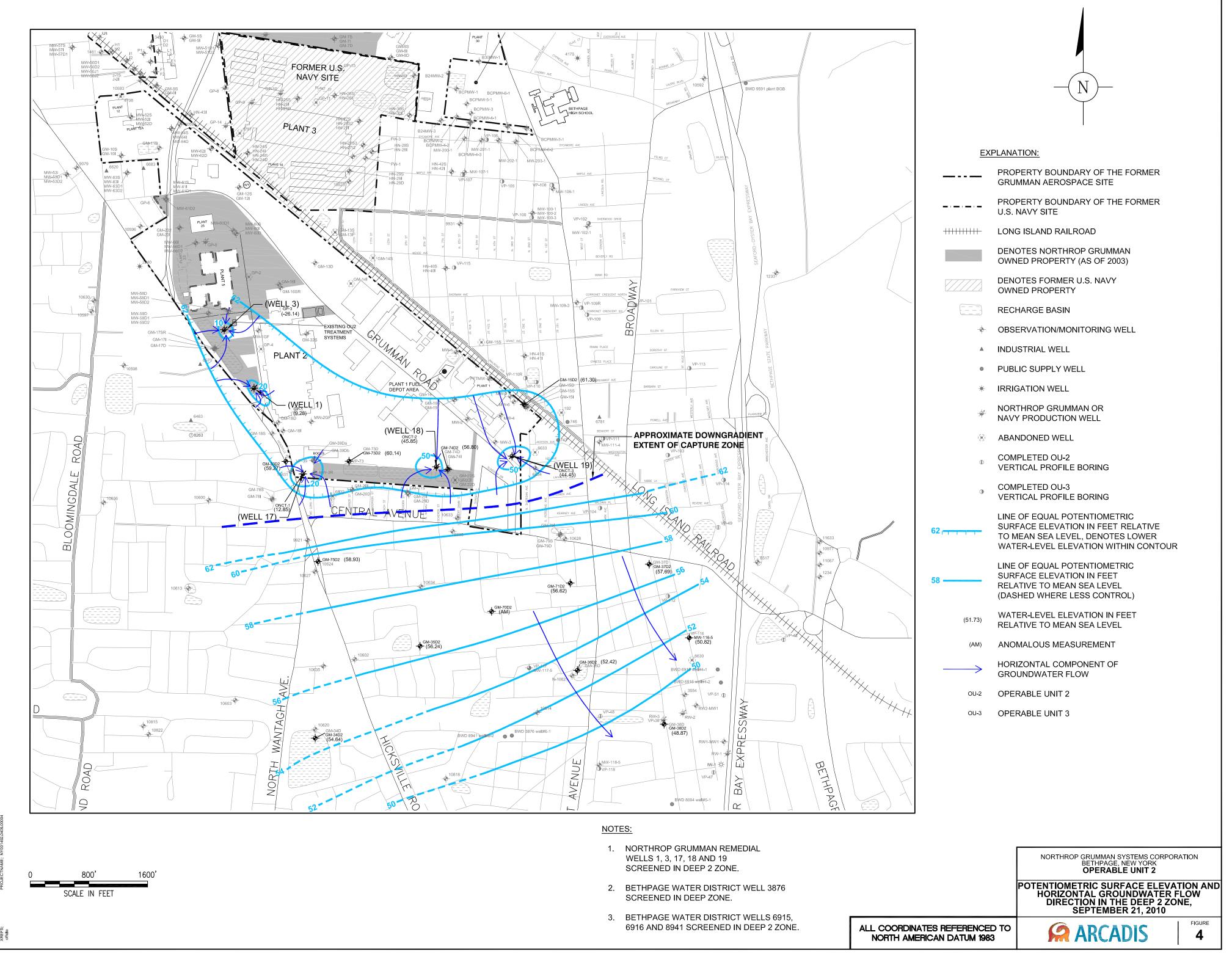


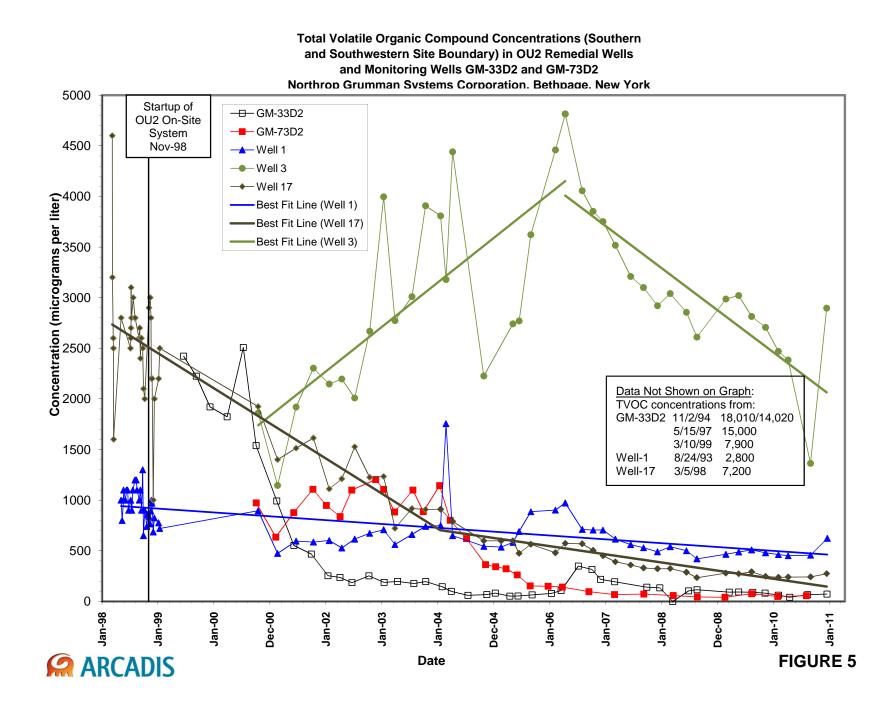


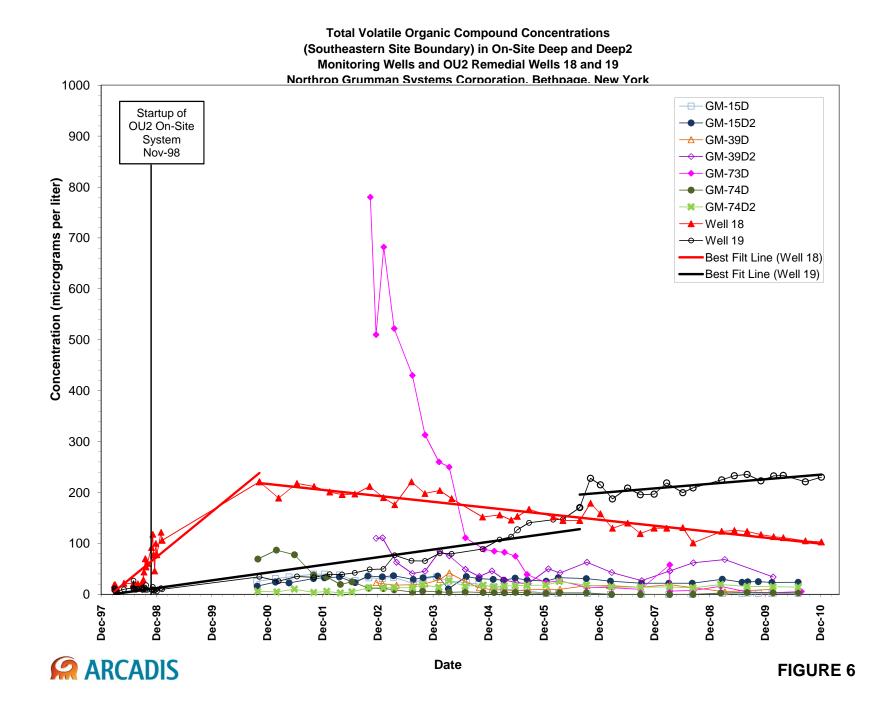


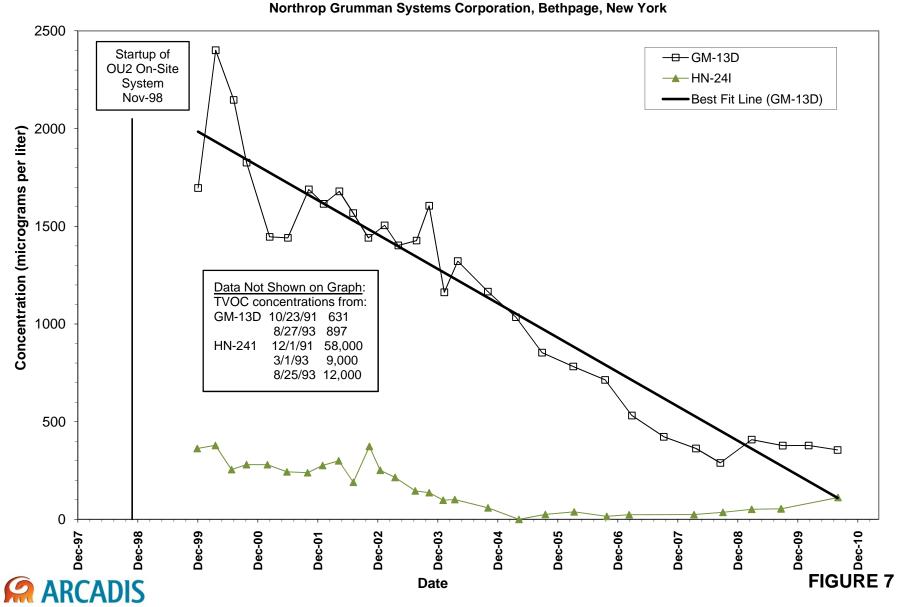
ITY:MeMILENY DIVIGROUP:ENV.cd DB:A.Senchez LD: PIC: PM:C.SanGlovani TM:D.Stein LYP:ON="7.DF="REF" IENVCADMetville-NYACTINY001496/0311/GWM42010\_AR03 GWCdvg LAYOUT: 3 SAVED: 3/14/2011 11:37 AM ACADVER: 18.05 (LMS TECH) PAGESETUP: PDF PLOTSTYLETABLE: ARCADIS\_MELVILLE.CTB PLOTTED: 3/14/2011 11:38 AM BY: SA

CITY:M G.\ENV XREFS



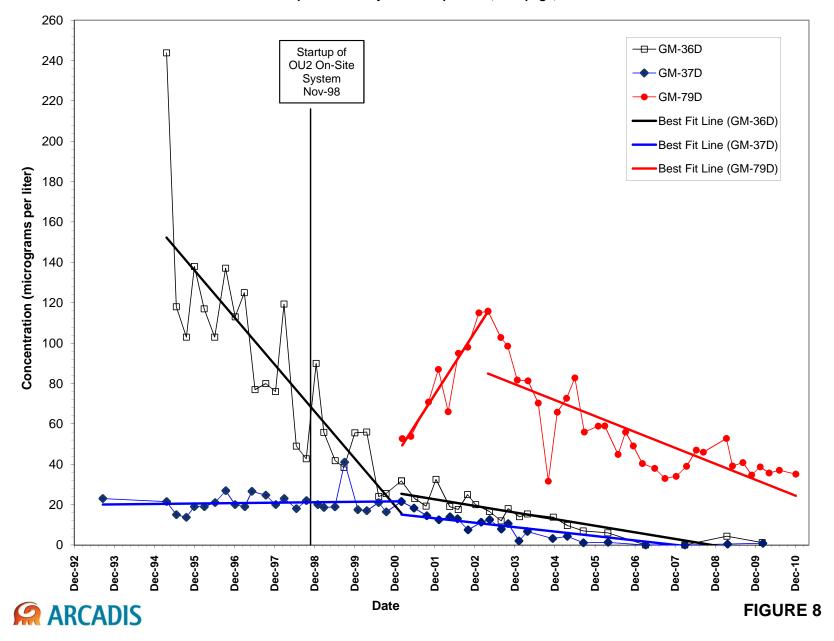




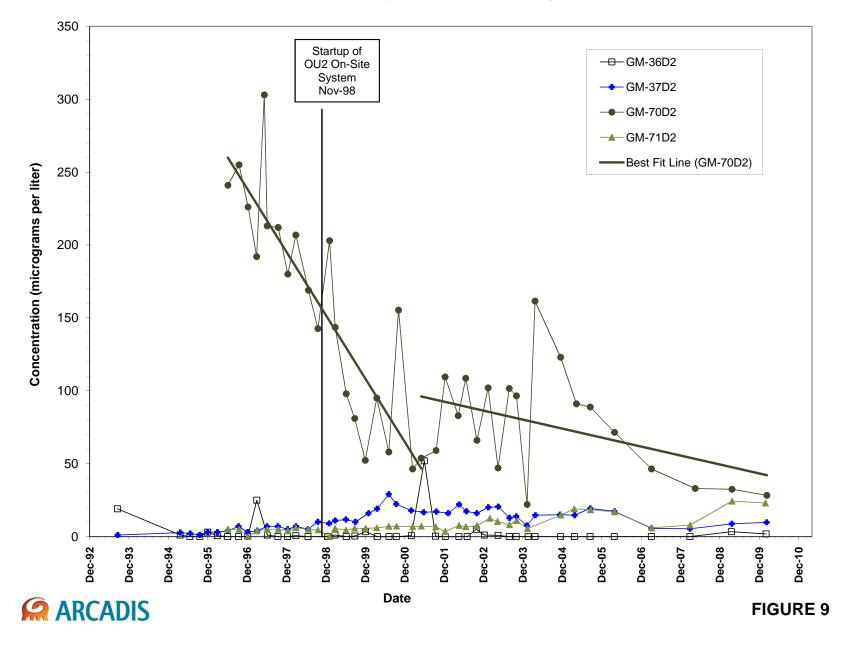


#### Total Volatile Organic Compound Concentrations in On-Site Intermediate and Deep Monitoring Wells orthrop Grumman Systems Corporation, Bethpage, New Yor

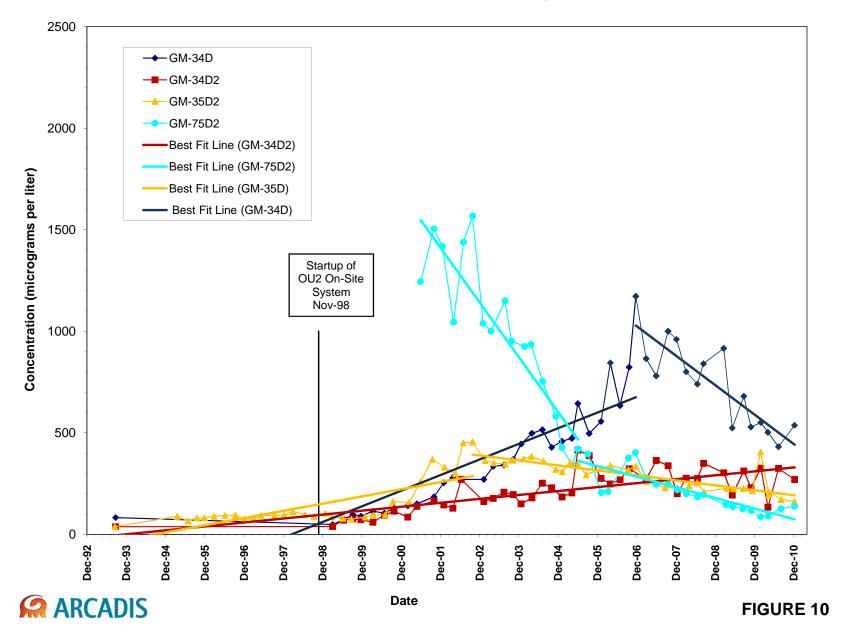
Total Volatile Organic Compound Concentrations in Off-Site Deep Monitoring Wells (Southeast of the Site) Northrop Grumman Systems Corporation, Bethpage, New York



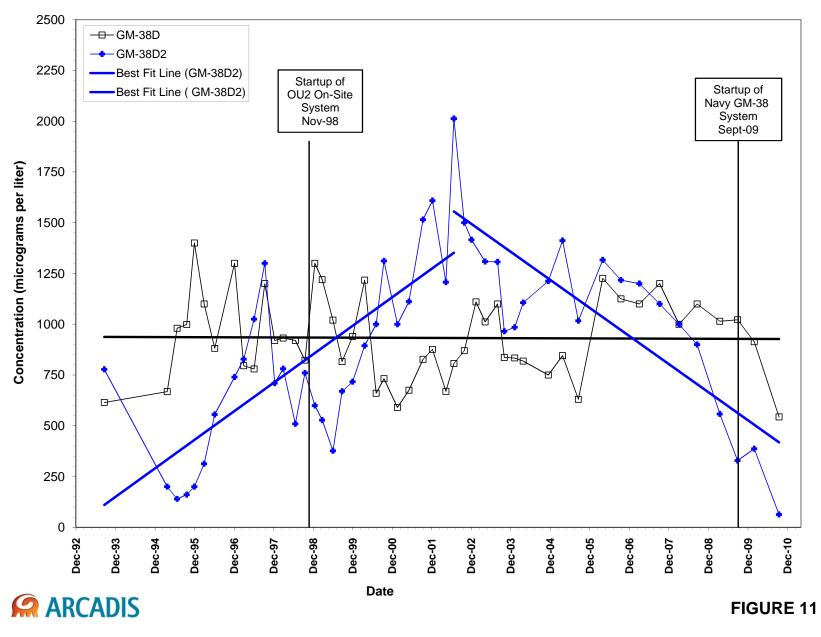
Total Volatile Organic Compound Concentrations in Off-Site Deep2 Monitoring Wells (Southeast of the Site) Northrop Grumman Systems Corporation, Bethpage, New York



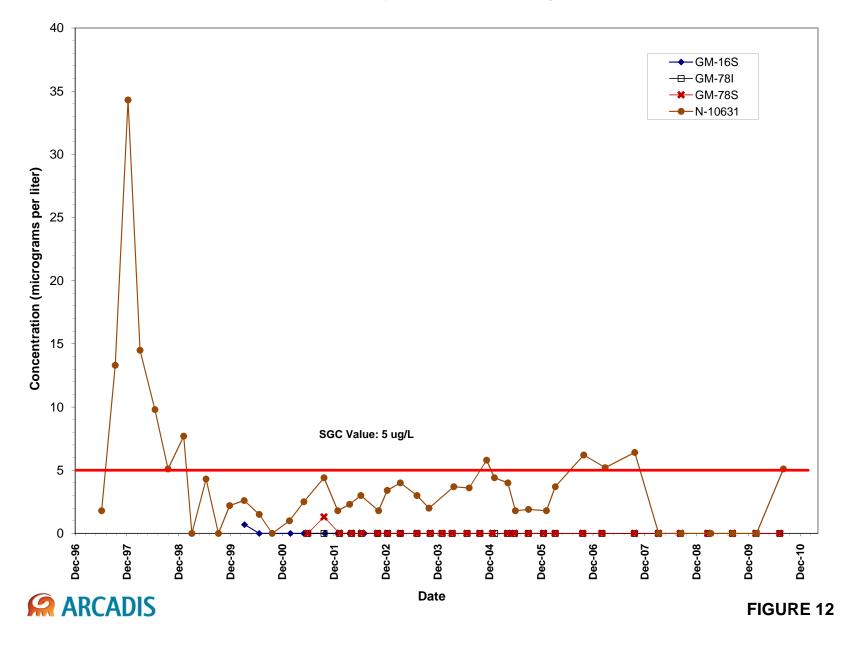
Total Volatile Organic Compound Concentrations in Off-Site Deep and Deep2 Monitoring Wells (South of the Site) Northrop Grumman Systems Corporation, Bethpage, New York



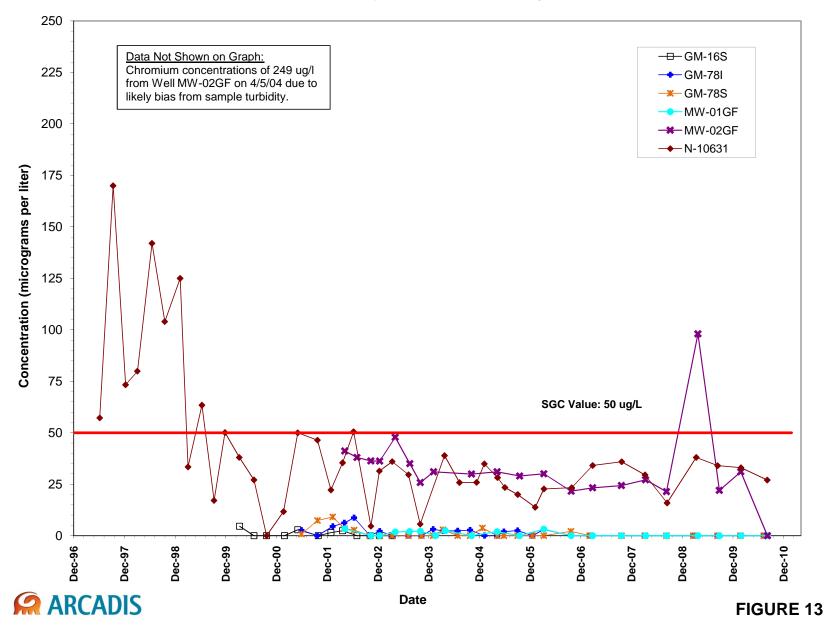
#### Total Volatile Organic Compound Concentrations in GM-38 Area Deep and Deep2 Monitoring Wells Northrop Grumman System Corporation, Bethpage, New York



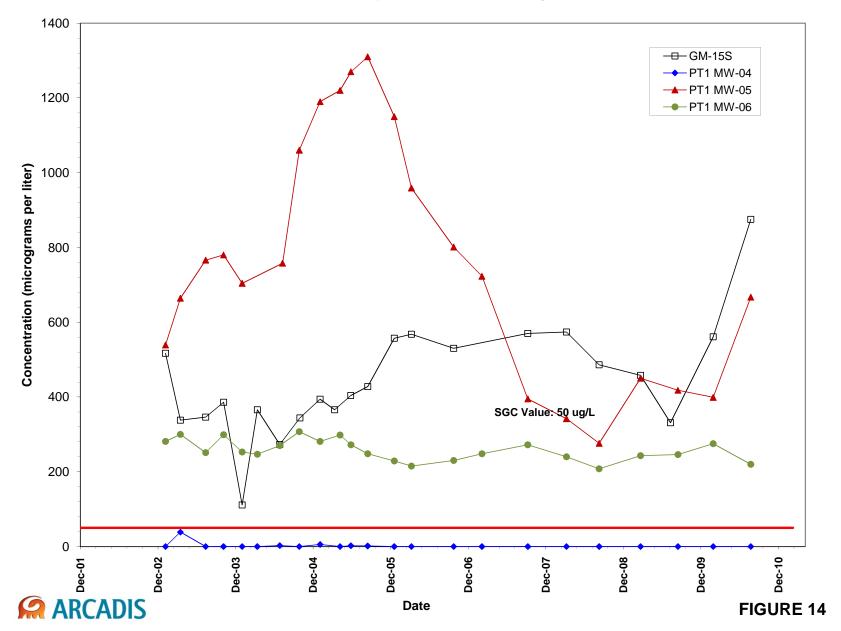
Total Cadmium Concentrations in Monitoring Wells Near Former Plant 2 Northrop Grumman Systems Corporation, Bethpage, New York



Total Chromium Concentrations in Monitoring Wells Near Former Plant 2 Northrop Grumman Systems Corporation, Bethpage, New York



Total Chromium Concentrations in Monitoring Wells Near Former Plant 1 Northrop Grumman Systems Corporation, Bethpage, New York



Appendix **A** 

Appendix A: Groundwater Sampling Logs and Chain of Custody Records

ARCADIS			Page of
Infrastructure, environment, facilities			•
Water	Sampling Log		
Project Northrop Granman OUZ	Project No. 🥂	17001496.0	410.00002
Project Northrop Granman OUZ Site Location <u>Bethpage</u> NY Well No. <u>BPOW</u> 1-1 Replicate I		Date 0//2	11/0
Well No. BPOW 1-1 Replicate I	No	Weather	Sunny 40°
Sampling Personnel G. William J. Dertling Sampling	Time: Begin <u>/</u>	1:48	End <u>19:</u> 3
Purge Data	Field Parameters		
Measuring Point (describe) To C Sounded Well Depth (ft bmp) - 2.41	Color d	ear clean	iclea de
Saunded Well Depth (ft bmp) - 241	Odor 1	Tone none	hore hore
Depth to Water (ft bmp) 27.60 + 09	Appearance C/g	ea dea	den dea
Depth to Packer (ft bmp) 169			
Water Column in Well (ft) 72 below such	· .	<u> </u>	<u> </u>
Casing Diameter $4''(0.6.7)$	рН (s.u.)	.98 4.6-	5 4.44 4.5
Gallons in Well 478.8 Below pack:	Conductivity		
Gallons Purged	(m <del>S/cm</del> ) or 2	65 170	152 15
Prior to Sampling 140 gell-	(umhos/cm) <sup>1)</sup>	65 170	
Pump Intake			
Setting (ft bmp)	Temperature (°C)	1.4 11.2	12.4 12.
Packer Pressure (psi)	_		
Pumping Rate (gpm) $3_2 -> 6_5 50 m$	DO (mg/L)		
Evacuation Method Ped. caked Red. Flan	ORP (mV)		
Sampling Method Zudyme	Turbiditý (NTU) Ž	44 3.17	3.01 3.1.
Purge Time Begin <u>14-77</u> End <u>14-50</u>	Time 12	116 14:3	
		7.78 28.0.	
Pomorka: 169-771-14	1 64 . 21	Ka Barra	
Remarks: 169 - 27.6 - 141	. 1 * 7 5 -	00,00 -	- ra pri
·			
Parameter Container Voc OLM J24.2 40m/Vor	No.		Preservative Hcj
		·····	
PID Reading			<u> </u>
PID Reading			
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16 3" = 0.37	4" = 0.65		

1) Circle one unit type

11/21 = 0.09

1977

N.7

GITECHNICLIWOLFERTITechnical Forms/2006/Water Sampling Log.XLS - Log

2-1/2" = 0.26

3-1/2" = 0.50

6" = 1.47

## **GARCADIS** Infrastructure, environment, facilities

Water	Sampling Log	g .			
Project NUTOSHADOLOGO	Project NoN	140014	196.041	00000	٢
Site Location BETHERAGE NH		Date	1-2110		
Well No. <u>BPOWI-Z</u> Replicate N	0. N/A	Weath		CLORA	400
Sampling Personnel 66 50 Sampling T	ime: Begin <u>3</u>	3;30	<u>.</u>	End	•
Purge Data	Field Parameter	s			
Measuring Point (describe)	Color	Co	ories		. <u></u>
Sounded Well Depth (ft bmp) 335	Odor	· .	·		
Depth to Water (ft bmp) 28,18	Appearance				·
Depth to Packer (ft bmp) 29.4					
Water Column in Well (ft) <u>41</u>		<u> </u>	1V	2V	3V
Casing Diameter $4(0.65)$	рН (s.u.)	4.05	3.99	4.03	3.94
Gallons in Well 26.65	Conductivity				
Gallons Purged & X 3	(mS/cm) or				
Prior to Sampling	(µmhos/cm) <sup>1</sup>	107.1	129.9	1023	103.0
Pump Intake					
Setting (ft bmp)	Temperature (°C	11.4	11.5	11.6	11.4
Packer Pressure (psi)		•			
Pumping Rate (gpm)	DO (mg/L)	•			· · · · · · · · · · · · · · · · · · ·
Evacuation Method	ORP (mV)	··			
Sampling Method DED SUB FIMP/PAULM	Turbidity (NTU)	·····	• <u> </u>	-	3.16
Purge Time Begin — End —	Time	·			
·	DTW (ft bmp)		-		
Remarks: Packer pressure		11 2	8.18×.	12+02	1175 berta
Remarks: <u>lacker</u> pressure		17-6	Arla X.	<u>13150</u>	
	ł		·····	· ·	
Parameter Container TVOC OLM 524.2 40 mlv 59	No.			Preservative	).
PID Reading	······································		· ·		
Well Casing Volumes           Gal./Ft. $1^{1/4"} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2"} = 0.09$ $2 \cdot \frac{1}{2}" = 0.26$ $3 \cdot \frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47				

Page 1 of \_\_\_\_

...

1) Circle one unit type



Infrastructure, environment, facilities

		Water	Sampling Lo	bg			
Project Nort	hrob Grow	MAMA K	Project No.	NYO	51436.	0410.0	0002
	Sethbage,		······	Date	,	2210-	
	v 1-3	- /	No. NA	Weath	ier	Andy	,35°F
			<u>י</u>			0	
Sampling Personnel <u>Tes</u>	om e Some	Sampling	Time: Begin_	1041	-	End	1042
Purge Data		-	Field Paramete	ers			
Measuring Point (describe)	To	<u> </u>	Color	Ce	orless		,
Sounded Well Depth (ft bmp	) _ 4	19	Odor	0	dorless		
Depth to Water (ft bmp)	574	<del>ð</del> -	Appearance	C	leah		
Depth to Packer (ft bmp)	34	14					
Water Column in Well (ft)	7	5		-	1V	2V	3V <sup>.</sup>
Casing Diameter	<u> </u>	0.65	pH (s.u.)	4-82	5.05	4-39	5.01
Gallons in Well	48	.75	Conductivity	159	200	185	166
Gallons Purged	48.75	42	(mS/cm) or	ر ۲۰ ج 	2.0-		
Prior to Sampling	-10-1-3	146.25	– (µmhos/cm)	<b>)</b> <sub>1)</sub>			
Pump Intake							
Setting (ft bmp)	Igene		Temperature (°	c) 11-C	9.7-	10.6	11-1
Packer Pressure (psi)	18	o losi					
Pumping Rate (gpm)		ł	DO (mg/L)	<b></b> y	***·	-	
Evacuation Method	· •		ORP (mV)	-			
Sampling Method	Dedjeated	Submercil Pacher	Turbidity (NTU)	15.78	3.24	5.64	5.00
Purge Time B		End	Time	1021	1029	1038	1045
		· · · · · · · · · · · · · · · · · · ·	DTW (ft bmp)	30.02	30.40	30.40	30.40
en e	tv=+.7 ==	~ · · · ·			• .		
Remarks:	DTW = 14-23.14	28.14	+ 25 = 16	0.89			· · · · · · · · · · · · · · · · · · ·
	1-2014	<u> </u>	<u>, , , , , , , , , , , , , , , , , , , </u>	0.82-	·· · ·	· · · · ·	
Parameter		Container	No.			Preservative	<u>.</u>
Voc den.	\$ 27	40 ml vol	<u>- 3</u>			Her	
				· · · · · · · · · · · · · · · · · · ·		••••••••••••••••••••••••••••••••••••••	
PID Reading N	<u>A</u>						
	ng Volumes		<u> </u>				•
• * I		5" = 0.37 1-½" = 0.50	4" = 0.65 6" = 1,47				
1) Circle one unit type	······		······································			······································	

G:\TECHNICLWOLFERT\Technical Forms\2006Water Sampling Log.XLS - Log



.

Water	Samn	lina	1 00
vvalei	Jailip	IIIIQ	եսս

Project No Maro 5 Give	you un au	Project No	NYOD	1496.0	1/12-000	02
	Fage, NY		Date	01/2	16/10 +	
Well No. <b>SPOW</b>	1 7	lo				
Sampling Personnel Gw S	Sampling T	ime: Begin	1348	_	End	1350
Purge Data	,	Field Parameter	'S			· · ·
Measuring Point (describe)	Toc	Color	Cole	stus		
Sounded Well Depth (ft bmp)	516	Odor	No	ne.		
Depth to Water (ft bmp)		Appearance	_(1 es	as tra	usparent	· •
Depth to Packer (ft bmp)	414				)	
Water Column in Well (ft)	102		<u> </u>	1V	2V	<u> </u>
Casing Diameter	4" 10-65	pH (s.u.)	3.82	3-8-8	4.05	3V 4.02
Gallons in Well	66-3	Conductivity	1	· · ·		
Gallons Purged	×3	(mS/cm) or	L L			
Prior to Sampling	= 198.9	(µmhos/cm) <sup>1</sup>	163	170	182	178.2
Pump Intake	· · · · · · · · · · · · · · · · · · ·					
Setting (ft bmp)		Temperature (°C	) 12.4	90	14.2	12-1
Packer Pressure (psi)	220.					
Pumping Rate (gpm)		DO (mg/L)	<u> </u>	-	<u> </u>	· 
Evacuation Method		ORP (mV)			. <del></del>	
Sampling Method	6	Turbidity (NTU)	<50	50	50	(50.
	1148 End 1348	Time	1148	1210	1338	1348
		DTW (ft bmp)		·	-	
	Turbidola voals	broken.		a a L.O.	I. PL	1 mot da
Remarks:	A VIII A	12-30 . Resi	VISCAR		re of tu	
Tum	5 turnel off @	12-30 . 1100		a. 1338	<u> </u>	
Parameter Tvoc	Container 4 o ml V o Q	No.	5		Preservative	
·····		···· ·································			·····	·····
		<del></del>			· · · · · · · · · · · · · · · · · · ·	
PID Reading	<del></del>					
Well Casing Vo Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = ( 1 <sup>1/2</sup> " = 0.09 2-½"	0.16 3" = 0.37	4" = 0.65				
1 - 0.05 Z-½	= 0.26 3-1/2" = 0.50	6" = 1.47				

1) Circle one unit type

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log

.



Page \_\_\_\_\_ of \_\_\_\_\_

### Water Sampling Log

Project	Northrop Gi	rum man	Project No.	NYOON	196.04	0. 00002	
Site Location	Bethba			Date	f	22/10	
Well No.	BPO10 3-2-	A	NO. N/A	 Weat	1	•	Sunny 4
Sampling Personr	el J. 0 S.D	Sampling	Time: Begin	1545		End	1547-
Purge Data			Field Paramete	rs		·····	
Measuring Point (c	lescribe)	roc.	Color		alorles	2.	
Sounded Well Dep	th (ft bmp) 📩 🔜 6	47	Odor		oderate		
Depth to Water (ft	bmp)	<b></b>	Appearance		Clear		
Depth to Packer (ff	(bmp) 5	03		·			
Water Column in W	/ell' (ft)	44		1	1V	2V	3V
Casing Diameter	4 <sup>ei</sup>	(0.65)	pH (s.u.)	5.61	5.50	5-25	5-2-
Gallons in Well	. 9	3.6×3	Conductivity	-#		·	1
Gallons Purged	5	: 280	(mS/cm) or				
Prior to S	ampling		(µmhos/cm) <sup>1</sup>	137.8	165	177	181
Pump Intake						1	
Setting (f	t bmp)	· · · · · · · · · · · · · · · · · · ·	Temperature (°C	136	11.9	12.6	12.5
Packer Pressure (p	si) <u>2</u> 2	30		-			
Pumping Rate (gpm	ı)		DO (mg/L)		5 1		
Evacuation Method	** 		ORP (mV)				
Sampling Method	Dedi co	nted Submer	รเปเ Turbidity (NTU)	5.43	5.50	6.31	6.11
Purge Time	Begin 130	3 End 1545	Time	1309	1320	1530	1545
	• •		DTW (ft bmp)	26.25	26.30	26.54	20.5
Remarks:		174				••••••••••••••••••••••••••••••••••••••	
iveniarios.	503 - 2	(	43 + 25 =	230		·····	
	Turned of (a			- <u>2.30</u>			
Parameter	· 29. 2	Container 90ml Vo A	No.			Preservative HCL	
	· · · · · · · · · · · · · · · · · · ·	•	······			· · · · · · · · · · · · · · · · · · ·	-
PID Reading	·····	**************************************	<u>.</u>	~		• • • • • • • •	
V	Vell Casing Volumes					·····	
Gal./Ft. 1 <sup>1/4</sup> " = 0.06 1 <sup>1/2</sup> " = 0.09	2" = 0.16 2-½" = 0.26	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47				



Infrastructure, environment, facilities

Page	)	of	,
·		<u> </u>	

	and the second of	Wate	er Sampling I	_og			
Project	North top Gerumman 11 you 11/36 - 0410 . 01						
Site Location	Bethpage, N	JY	Project No.			000000	1
Well No.	BPOWY-1	,	e No. N/A-	Da	·	1/257	
		Replicat		We	ather	hai	ny 
Sampling Personn	el G. W S.D	Sampling	g Time: Begin	1445		End	V 1447
Purge Data			Field Parame	ters	***		
Measuring Point (d	lescribe) To C						
Sounded Well Dep	C*1 1-1	1 Serma	Color	(	Cortes	·	·
Depth to Water (ft t		ŀ	Odor		None		
Depth to Packer (ft	······································	652	Appearance		Clear		
Water Column in W		40					
Casing Diameter	4" 10-65	2/1 (0.	12		1V	2V	<u>3V</u>
Gallons in Well		- 4 × 3	pH (s.u.)	5-44	4-82	4.77	4.87
Gallons Purged	290	19.2	Conductivity	1• 300 100			
Prior to Sa	ampling 309/2	90 + 1	(mS/cm) or		0.01		
Pump Intake	······································		(µmhos/cm)		236	2.14.	200
Setting (ft	bmp)		Temperature (°C		11.		1/1
Packer Pressure (psi	) _ 250	·····	i cinperatore ( C	.) _10	14.4	13-5	14.0
Pumping Rate (gpm)			DO (mg/L)	·`	_		_
Evacuation Method	÷.		ORP (mV)	<b></b>			
Sampling Method			Turbidity (NTU)	- <50×	/20		
Purge Time	Begin <b>19,1</b> 0 End	1430	Time		1220	(20	<50
			DTW (ft bmp)	1210	1220	1950	1430
Remarks:	* Turbiditor via	1 is t	• •				
	Tund of 6 115		mokan.			· <u> </u>	
••••••••	Tumedon 140						
Parameter	Conta						
TVOC	40	m/voa	No. <u>3</u>			Preservative ーーナム	
PID Reading							,
Weil Gal./Ft. 1 <sup>1/4</sup> " = 0.06 1 <sup>1/2</sup> " = 0.09	l Casing Volumes 2" = 0.16 3" = 0 2-½" = 0.26 3-½" =		4" = 0.65 6" = 1.47				

1) Circle one unit type



1

Water	Same	olina	Loa
	wanne		

Project Northrobb	trumm au	Project No.	N400	1490.041	0. 00002	2
Site Location	ethlonge, NY		Date		7/10 .	
Well No. <u>B Por</u>		No. BPOH4-3 MSMSDS	 Weati amplesto	her 、	clear_	······································
Sampling Personnei Pat P	Sma Day. Sampling	Time: Begin_	1520	-	End	1522
Purge Data		Field Paramete	ers			
Measuring Point (describe)	Toc	Color	_Col	ortess		
Sounded Well Depth (ft bmp)	764	Odor	No	ne		
Depth to Water (ft bmp)	23.38	Appearance	Cl	eas, to	ans sas	en I-
Depth to Packer (ft bmp)	503				1	
Water Column in Well (ft)	261		1	1V	2V	3V
Casing Diameter	4* (0.65)	рН (s.u.)	4.2	4.17	3.88	3.74
Gallons in Well	169.65+3	Conductivity				
Gallons Purged	= 509	(mS/cm) or				
Prior to Sampling		(µmhos/cm)	1) 215	167	52	141
Pump Intake	•					
Setting (ft bmp)	-	Temperature (°C	» <u>11.2</u>	. n.T.	123	9-8
Packer Pressure (psi)	255 PST					
Pumping Rate (gpm)		DO (mg/L)				
Evacuation Method		ORP (mV)	·	~		
Sampling Method D	edicated supratsil	<sup>ه ∫ر</sup> -Turbidity (NTU)	150	<50	50	22
Purge Time Begin	1210 End 1510	` Time	1210	1832	1445	1510
		DTW (ft bmp)	23.38	.23.34	23.35	23.35
Remarks:	503-23,38 Xi	13+50=		. 1		
19un		1 -	mp tas-	ner on	an 182	0
Turb	ha - a l	oken . Pun	nb ill (	) 1340	Primp 81	1 (9) 1445
Parameter <u>RD</u> <u>40 ml roa</u> Troc OLM 524.2	$\int Container + 40 m V c$	No.	/ //	/	Preservative 14CL	
	. <u></u>	······				
PID Reading	<u></u>					
Well Casing Vo		······································		·	· · · · · · · · · · · · · · · · · · ·	•
<b>Gal./Ft.</b> $1^{1/4_{ii}} = 0.06$ $2'' = ($ $1^{1/2_{ii}} = 0.09$ $2 \cdot \frac{1}{2}''$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	4" = 0.65 6" = 1.47				
1) Circle one unit type					······································	

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



#### Water Sampling Log

Project Northrop Go	ramman	Project No.	NYOOI	436.04	0.0000	2
	page, NY	- ,	Date		2 8/10	
Well No. HNT-4	AI	NA		er		
		· .				
Sampling Personnel J. Ourte	Sampling Tin	ne: Begin <mark>I</mark>	508	,	End	+510
Purge Data		Field Parameters	5			
Measuring Point (describe)	TOC	Color	Cos	lorless		
Sounded Well Depth (ft bmp)	59	Odor	A	one_		
Depth to Water (ft bmp)	47	Appearance	Cl	ear, ti	ransp a	rent-
Depth to Packer (ft bmp)	· • •				N N	
Water Column in Well (ft)	12		- 1	1V	2V	3V
Casing Diameter	4	рН (s.u.)	5.76	5.70	565	5.64
Gallons in Well	23.4	Conductivity			:	
Gallons Purged	(59-47) ×0-05	(mS/cm) or			<u>.</u>	· · · ·
Prior to Sampling	z 7.8 × 3 = 23.4	(µmhos/cm) <sup>1)</sup>	253	238	230	214
Pump Intake						
Setting (ft bmp)		Temperature (°C)	16-4	16.5	16.5	165
Packer Pressure (psi)	·					
Pumping Rate (gpm)	0.75gpm	DO (mg/L)			<b>N</b>	<b>.</b>
Evacuation Method		ORP (mV)				
Sampling Method	Redi for /38WV	Turbidity (NTU)	3.23	6.06	6.43	6.15
Purge Time Begin	1440 End 1504	Time	1540	1248	14556	1504
		DTW (ft bmp)	47	47.06	47.06	47.0
Remarks:	· .					
· · · · · · · · · · · · · · · · · · ·						
· · · · · · · · · · · · · · · · · · ·	<u>\</u>	· · ·	-		•	
Parameter TVOC OLM 4.3	Container 40mlroa	No.			Preservative	
	, <u></u>	·		. '		
PID Reading		. <u>,</u>				
Well Casing Vo				······································		
Gal./Ft. $1^{1/4_{tt}} = 0.06$ $2^{u} = 0.01$ $1^{1/2_{tt}} = 0.09$ $2^{-1/2_{tt}}$	$\begin{array}{rrrr} 0.16 & 3'' = 0.37 \\ = 0.26 & 3-\frac{1}{2}'' = 0.50 \end{array}$	4" = 0.65 6" = 1.47				
1) Circle one unit type	······································					

## **ARCADIS** Infrastructure, environment, facilities

			LC	ow-Flow G	Froundwat	er Sampli	ing Loa			
Project		Northa	op Gr	rumma	n Ing	Cou-2	· · ·			
Project Num	ber NY001	436.0410.	20000	Site Locati		ethpage			()	
Date		1 28 10		Sampled B	· · · · · · · · · · · · · · · · · · ·	esome	Oerth	Wel	ID HN-	40I
Sampling Tin		1420		Recorded #	·	orra		ag, son	nadas	
Weather	$\mathcal{C}$	oudy, 35	F	Coded Rep		NIA				
Instrument Id	antificatio-									
Water Quality		. •						2	9~10	. 1.0
		Dat A			······	Seri	al# 🛆	ce ca	ibs ati mp/doa	onlon
Casing Materi		PNC 4"		Purg	e Method		Real	loco Pa	mp /doa	- thou
Casing Diame				Scre	en Interval (ft b	mp) Ta	op 1.08			18
Sounded Dept		118	•	Pum	p Intake Depth	(ft bmp)	113			<u> </u>
Depth to Wate	r (it omp)	46.5		Purg	e Time	Sta	ut 1321	2	Finish 1	410
				Field Paramet	er Measuremer	its During Purg	jing			·
Time	Minutes Elasped	Flow Rate	Volume	Temp	рH	Conductivit		DO	Turbldite	Depth t
	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	1-1-11	(mg/L)	Turbidity (NTU)	Water
1325		500 my		15.3	6.98	312	- 35.2	983		(ft bmp
1330		1		15.3	6.99	300	- 36.3	98.2	6.62	100
335				15-8	6.35	298	-24.5	89.4	0.02	46.9
1340				16.7	6.16	299	-283	89.5	10 MT	109
1345				16.8	6-18	295	-26.7	89.4	6.17	46-9
1350	· · · · · · · · · · · · · · · · · · ·			16.8	6.33	297	-31.9	88.2		1.00
1355				16.1	6.13	301	-33.1	85.5	6.23	46.9
1400			<u> </u>	16.8	6.45	301	-33.6	859	T F O	
1405				16-8	6.33	295	- 33.8	84-3	5.58	46.98
1410		$\mathbf{V}^{+}$		16-8	6.34	291	-33-9	85.0		47.0
					~ <u>_</u>	- 313		0.9.0	3.05	47-9
			· · · · ·							
				·····						
lected Sample	Condition	Co	or Colorie			None				
ameter	~							Appearance	Clear	
VOC OL	M 13		a on	nivoa	i	No. 3			Preservative	
		<del></del>	~		·		······································	-	Hel	
					-			· -		
Reading										
nments										
	·					······································	······			
·			-	<u> </u>		<u></u>		·····		·····
					······································				·	

Page \_\_\_\_\_ of \_\_\_\_\_

nfrastructure, environment, fa	acilities
--------------------------------	-----------

51	Water	Sampling Log	3			
Project Northrop Ger	nmman	Project No	NYOOI	496.00	410 - 00	002
Site Location Beth	bage, NY		Date	01 28		
Well No. HNF42S	Replicate N	0. <u>NA</u>	Weath	her	Cloud	1,34°F
Sampling Personnel S. Pas/J	. Der Hing Sampling Ti	me: Begin	1120	~	End	1122
Purge Data		Field Parameter	s			
Measuring Point (describe)	TOC	Color		olorless		
Sounded Well Depth (ft bmp)	60	Odor	1	Tone		
Depth to Water (ft bmp)	49.24	Appearance	C	lear, to	aupan	zint.
Depth to Packer (ft bmp)	. <b> </b>				ł.	
Water Column in Well (ft)	10.76		<u> </u>	1V	2V	<u> </u>
Casing Diameter	<u>4</u> <sup>n</sup>	pH (s.u.)	6.28	6.32	6.19	6.15
Gallons in Well	21 2 - 80	Conductivity				
Gallons Purged	$7 \times 3 = 21$	(m <del>S/cm)</del> or		<del>,</del>		·
Prior to Sampling	s	(jumbos/em) <sup>1)</sup>	420	409	384	384
Pump Intake						
Setting (ft bmp)		Temperature (°C)	12-2	12.1	15.7	16.1
Packer Pressure (psi)						
Pumping Rate (gpm)	••••••••••••••••••••••••••••••••••••••	DO (mg/L)	<u> </u>	-		
Evacuation Method		ORP (mV)	-			
Sampling Method	edito (35HV)	Turbidity (NTU)	1.84	9.48	3.81	4.03
Purge Time Begin	1100 End 1118	Time	11.00	11-07	11.10	1115
	1118	DTW (ft bmp)	49.24	49.35	49.38	49.39
Remarks: $(60 -$	43.24)× 0.05	= 7x3=(Qa	lonst	ug a		
		(21 gai	~ 6	( )	•	
					····· · · · · · · · · · · · · · · · ·	······
Parameter 490 TVOC OLM 43	Container 40ml roa	No.			Preservative H CL	•
PID Reading						
Well Casing Volu           Gal./Ft. $1^{1/4}$ " = 0.06         2" = 0.7 $1^{1/2}$ " = 0.09 $2^{-1}$ /2" =	16 3" = 0.37	4" = 0.65 6" = 1.47				

Page \_\_\_\_\_ of \_\_\_\_\_

1) Circle one unit type

.

Infrastrúcture, environment, facilities

			Lo	w-Flow G	roundwat	er Sampli	naloa			
Project		Northre	s)> or	um mau	(HUC	- 002	a –oA			
Project Num		01496 0				ethege	2 49 61	<i>2</i>		
Date		51/28/10	<u> </u>	Sampled By				Wel	110 HN Soma J	-42,1
Sampling Tir	me	1225		Recorded B		Jeroma Soma	<u>nan</u>	n ng :	Somal	<u>&gt;98</u>
Weather	Cla	104,35	F		icate No.		<u></u>	<u> </u>		
h	1	<u> </u>								•
Instrument Ic Water Quality		Hanna	- HI(90 <u>&gt;BI 55</u>	25); OAN	tor plan	meter Seria	1# 19°	1705 , 1	7889G	(M STP)
Casing Mater	rial	Pro	•	D	- 88.43		···· <u>···</u>			
Casing Diam	eter	4/1			e Method					
Sounded Dep	oth (ft bmp)	410			en interval (ft bi intake Depth (		·		Bottom	110
Depth to Wate	er (ft bmp)	43	00		e Time			<u>•5'</u>		
						Star		<u>-</u> -	Finish	220
	Minutes	51		Field Paramete	r Measuremen					
Time	Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO J. (mg/L)	Turbidity (NTU)	Depth to Water
1135		SOOMLI		15.5	11.17	498.	-33.7	64.5	-	(ft bmp)
1140				15.4	11.15	489	- 23.1	70-7		
1145		2	· · · · · · · · · · · · · · · · · · ·	159	11.15	477	-29.2	70.4	-	43.05
1155			•	Ko. 1	11.13	429	-27.9	71.0		-
1200	······			16-2	11.07	414	-26.4	71.3	-	43.05
<u> </u>	·	500ml		16-2	11.05	415	-26.6	71.0	-	
12 \$5			·	16.3	11.01	399	- 253	707	5.07	49 03
1210				.16.5	10:97	396	-23.6	71.4		
1215				16.5	10.98	386	-24.4	71.1	3.76	49.03
7220				16-6	10-93	383		<u>-71.9</u>	3-8-2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
								· · · · · · · · · · · · · · · · · · ·		
								·····		
bilected Sample	e Condition		lor Coler	425	Odor	None	/	Appearance	Clear	
VOC OL	N 4.3		ntainer 40ml v	ioa		io. 3		-	Preservative HO-1	
		••••	· · · · · · · · · · · · · · · · · · ·		-			-		
Reading	******			. ,	. –			-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
mments	Turbi	dily = 3.	. 82 ((	2, 1220	)			·		,
	·		<u>_</u>							<u> </u>

Page 6 of 1

1) Circle one unit type



Infrastructure, environment, facilities

	Water	Sampling Lo	g			
Project No, Hugo C	Grammen Sys. Log	Project No	NY OOI	498.04	10,0000	Z
Site Location Be Hap			Date		19/10	
Well No. FW-03	Replicate N	o. N/A	Weat	ther	Sunny	, 18° F
Sampling Personnel J. Ocrt			1110	_	End	1112
Purge Data	-	Field Parameter	ſS			
Measuring Point (describe)	TOL	Color	Tan	>	v. 1.6.0	Wh
Sounded Well Depth (ft bmp)	64	Odor		. 70	re	
Depth to Water (ft bmp)	53.80	Appearance	Slight	the fund:	1	
Depth to Packer (ft bmp)			······	/	<b>S</b> t	
Water Column in Well (ft)	10.2		l	1V	2V	3V
Casing Diameter	2" (.16)	pH (s.u.)	550	-7.57	7-39	7.67
Gallons in Well	1,63 ×35	Conductivity	7.53			
Gallons Purged		(mS/cm) or	·····			
Prior to Sampling	4.896 gall	(µmhos/cm) <sup>1)</sup>	185	186	180	194
Pump Intake						
Setting (ft bmp)		Temperature (°C)	73	11.4	14.2	9.8
Packer Pressure (psi)						
Pumping Rate (gpm)		DO (mg/L)		~	-	
Evacuation Method	<u> </u>	ORP (mV)	-ب 			
Sampling Method	Kedita	Turbidity (NTU)	551	451	349	151
Purge Time Begin	1150 End 1110	Time	1100	1105	1108	(110
		DTW (ft bmp)	53.88	53-58	53 88	53.88
Remarks:	whilily. 68.2@	Sampling	time	<u></u>	12	
·	<u> </u>		-			
Parameter TVOC OLM 4.3	Container 46ml Voa	No 3			Preservative	<u>}</u>
	· · · · · · · · · · · · · · · · · · ·					
PID Reading	·······					
Well Casing Volu           Gal./Ft. $1^{1/4}$ ".= 0.06         2" = 0.1 $1^{1/2}$ " = 0.09 $2 \cdot 1_2$ " =	16 3" = 0.37	4" = 0.65 6" = 1.47			<u> </u>	

1) Circle one unit type

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log

6" = 1.47



			,
Page	C	of	
		÷.	

Water	Sampling Log	, ,			
Project Northons & Genemicaa	Project No.	NYOO	1436.	0410.	00002
Project Northors & Genumeran_ Site Location Bethpage NY		Date	02	101/10	
Well No. <u>PTIMW-04</u> Replicate N		Weat	her	durry	35.
Sampling Personnel J. Derthy Sampling T	ime: Begin /	2:48	2	End	11:42
Purge Data	Field Parameters	;			
Measuring Point (describe)	Color		clea	i,-	
Sounded Well Depth (ft bmp) 56.5	Odor		400		
Depth to Water (ft bmp) 42.2	Appearance		ele	a	
Depth to Packer (ft bmp)				·····	
Water Column in Well (ft) 19.29		ı	1V	2V	3V
Casing Diameter 2 " (16)	рН (s.u.)	6.68	6.08	5.90	5.85
Gallons in Well 2.2 P	Conductivity				
Gallons Purged	(m <del>S/c</del> m) or				
Prior to Sampling 6.86	(printros/em) <sup>1)</sup>	414	426	404	402
Pump Intake					
Setting (ft bmp)	Temperature (°C)	11.6	12.2	14.7	15.6
Packer Pressure (psi)					
Pumping Rate (gpm)	DO (mg/L)				~
Evacuation Method Non Ped	ORP (mV)		•:	·	·
Sampling Method Low Flow	•	19.6	4.22	4.30	4.29
Purge Time Begin 2:20 End /2:72		2:28	12:31	12136	12:39
	-	2.30	42.45	42.50	42.51
Remarks:			•		
		·····		·····	
	·····			· · · · ·	
Parameter Container Total Cr Soz Nark	No.			Preservative	
······································					
PID Reading					
Well Casing Volumes           Gal./Ft. $1^{1/4_{11}} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2_{11}} = 0.09$ $2 - \frac{1}{2}" = 0.26$ $3 - \frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47		,		
- 72 - 0.20 - 72 - 0.30	0 - 1.47				

1) Circle one unit type



Page \_ l \_ of \_ )

Water Sampling Log

Project Northrop Grumma	Project No.	NYO	0149.6	- 0410-	00002
Site Location Bettpage	NY	Date		101/10	
Well No. <u>PTIMW-05</u>	Replicate No.	Weat	her	Suray	3.5
Sampling Personnel J. oerthing S. Das	Sampling Time: Begin	11-35	-	End	11-35
Purge Data	Field Parame	ters			
Measuring Point (describe)	Color	dark grey	, chan ton	, deala	slighty a
Sounded Well Depth (ft bmp) 58.0	Odor	slight	4.14	4-14	1 nore
Depth to Water (ft bmp) 400	4 Appearance	mucky	cloudy	cloudy	trees
Depth to Packer (ft bmp)				(	pa-tile
Water Column in Well (ft)	9.6	ī	1V	2V	3V
Casing Diameter 2" (0.1	$\sim$	6.92	6.95		6.94
Gallons in Well 2. P > -	Conductivity				
Gallons Purged	( <del>mS/c</del> m) or				
Prior to Sampling 86-2		·····	ヲエエ	332	329
<sup>2</sup> ump Intake		/			1
Setting (ft bmp) 53 (	Temperature (°	C) 18.92	14.80	17.4	16.4
Packer Pressure (psi)	· · · · · · · · · · · · · · · · · · ·	-1			1.0.1
Pumping Rate (gpm)	DO (mg/L)				
Evacuation Method Kedi to F.	ORP (mV)				
Sampling Method 3 Sample		289	262	34.6	16.7
Purge Time Begin 1116 Enc		11:16	11:20	11125	17129
	DTW (ft bmp)	39.25	39.30	39.40	39.41
Remarks: dint + send					
40 bo/to	in manhale			······································	
	ntainer No. 2 blashie No.	1		Preservative	°2
	<u> </u>				
PID Reading					
					·
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16 3" =					
11/2 0.00	= 0.37 4" = 0.65 ' = 0.50 6" = 1.47				

1) Circle one unit type

L

Infrastructure, environment, facilitíes					
	Water Samplin ∆				
Project Northrop Girumman ( Site Location Bethpage, Well No. PTIMW-206	Project	No. NY001	496.00	410-0000	2
Site Location _ Bethpage	NY	Date	- <u></u> 22	lailo	
Well No. PTIMW-AG	Replicate No.	Weat	her	[	3.5
1					· · · · · · · · · · · · · · · · · · ·
Sampling Personnel J. Oertling S. Del	Sampling Time: Be	gin 1208		End 1	210
Purge Data	Field Para	motoro			
Measuring Point (describe)		1. tan	Clordy	S-clondy	1. done
Sounded Well Depth (ft bmp) <u>62</u>		Tone	nin	S-clondy non	usic
Depth to Water (ft bmp) 43.	Appearance	e cloydy	cloudy	T. clory	1. cloud
Depth to Packer (ft bmp)	4	•	1	/	
Water Column in Well (ft)			1V	2V 6.75	<u>3V</u>
	pH (s.u.)	6. 4	6.57	6.75	6.7
Gallons in Well <u>9</u> : Gallons Purged <u>3 · o · (</u> )	Conductivi	ty			
à	(				· · · · · · · · · · · · · · · · · · ·
Prior to Sampling	(µinhos	(m) <sup>1)</sup> 232	240	235	233
Pump Intake		, •			
Setting (ft bmp)	Temperatu	re (°C) <u>13.6</u>	14.1	14.7	15.7
Packer Pressure (psi) <u>N/A</u>	······································				
Pumping Rate (gpm) Evacuation Method	DO (mg/L)	·			
	ORP (mV)		2.4		
Sampling Method 3 Well Vo	Turbidity (N		297	80	3 P.A
Purge Time Begin 1155 En	nd 200 Time	11:55	11:59		12:06
14	DTW (ft bm	p) 43.19	43.19	43.20	73.20
Remarks: A go manhole	core				
broken man	hole				
-					
Parameter Co T-44/Cr P	or Kerke	o		Preservative	
	<u>vr 1(4142</u>			- MNO-	2
PID Reading					۱.
Well Casing Volumes	·····				
<b>Gal./Ft.</b> $1^{1/4_{II}} = 0.06$ $2'' = 0.16$ $3''$ $1^{1/2_{II}} = 0.09$ $2 \cdot 1/3'' = 0.26$ $3 \cdot 1/3'$	= 0.37 4" = 0.65				

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



'nfrastructure,	environment,	facilities
-----------------	--------------	------------

Water Sampling Log							
Project Northrop Gri	emman Coop .	Project No.	NY00	(496 D4	10,000	203	
Site Location Bernpag.	e		Date	2/3			
Well No. NW-IGA	Replicate N	lo	Weat		Cloudy	75	
Sampling Personnel Joating /S	Das Sampling T	ime: Begin_	14:50	-	End	14:52	
Purge Data	· · · · · · · · · · · · · · · · · · ·	Field Paramete	ers				
Measuring Point (describe)	TOC	Color		Clea	1		
Sounded Well Depth (ft bmp)	58.0	Odor		4 one	· ·		
Depth to Water (ft bmp)	42-12	Appearance		cler			
Depth to Packer (ft bmp)	NA						
Water Column in Well (ft)	15.88		1	1V	2V	3V	
Casing Diameter	Ĺ <u>ſ</u>	pH (s.u.)	6.24	6.36	6.52	6.30	
Gallons in Well	10-33	Conductivity					
Gallons Purged /d	2.33×3	(m <del>S/cm</del> ) or	142.6	142.9	143.2	143.1	
Prior to Sampling	31.00	(µmhos/em)	1)				
Pump Intake							
Setting (ft bmp)	53'	Temperature (°C	) 10.7	17.1	14.9	15-8	
Packer Pressure (psi)	NA						
Pumping Rate (gpm)	2	DO (mg/L)		•••••	· · · · · · · · · · · · · · · · · · ·		
Evacuation Method	hicated / rediffer	ORP (mV)					
Sampling Method	rolance	Turbidity (NTU)	5.44	7.29	3.36	3.10	
Purge Time Begin 19:	3/ End 14:50	Time	14:32	14:37	14.42	14:50	
		DTW (ft bmp)	40.35	40.40	40,51	20.53	
Remarks: - Mandale hard	1. 3. 6.1	4					
- no loc	4						
	<u></u>				· ·		
Parameter Total Cd/Cr P:::/ml Cd/Cr	Container Loz //u/u Coz //a//-	No. //			Preservative HNO 7 HNO 3		
PID Reading	••••••••••••••••••••••••••••••••••••••		<u> </u>	-			

ų

	Casing Volumes			 · · · · · · · · · · · · · · · · · · ·	· ·
<b>Gal./Ft.</b> $1^{1/4_{11}} = 0.06$	2" = 0.16	3" = 0.37	4" = 0.65		
$1^{1/2n} = 0.09$	2-1⁄2" = 0.26	3-1/2" = 0.50	6" = 1.47		

1) Circle one unit type

Page \_\_\_\_\_ of \_\_\_\_



Infrastructure, environment, facilities

	Water	Sampling Log			
Project Northrof Gir	amman Carof	Project No. NY00	1495.0	410.000	xo2
Å .	page, NY	Date	02	0110	
Well No. Mur 1	GAT Replicate	No Wea	ither	ranny	350
S. βα Sampling Personnel J. O <sub>e</sub> ,		Time: Begin <u>1455</u>		End	145.8
Purge Data		Field Parameters			
Measuring Point (describe)	TOC	Color	C,	lear	
S <del>ounde</del> d Well Depth (ft bmp)	59	Odor		ne	
Depth to Water (ft bmp)	-12-24	Appearance	C/	Cur	
Depth to Packer (ft bmp)	NA				
Water Column in Well (ft)	## 15.7k	> 1	. 1V	2V	3V <sup>,</sup>
Casing Diameter	· 4 "	pH (s.u.) 5.08	4.91	4.71	4.77
Gallons in Well	10.9	Conductivity			1
Gallons Purged		(mS/cm) or 170.6	172	173	172
Prior to Sampling	32.7	(pmhos/cm) <sup>1)</sup>			
Pump Intake	•		2		
Setting (ft bmp)	_ 5 5	Temperature (°C) 11. 9	14.7	14-2	14.5
Packer Pressure (psi)	NA				
Pumping Rate (gpm)	1.1	DO (mg/L)			
Evacuation Method	Reditlow	ORP (mV)	-		
Sampling Method	35 WV	Turbidity (NTU) 12.2	13.7	10.70	4.92
Purge Time Begin	1426 End 1455	Time 14:26	14:35	14:45	14:55
		DTW (ft bmp) 42,30	42.54	42-50	<u>~</u>
Remarks: 2 ba.	ters in well -		-d		<u> </u>
replant	1 after sam,	elis q			
Parameter Collex	Container	No		Preservative	<u>}</u>
Dissolved Caler	Sp pladic Ozblad	stie	-	HN02	<u>}</u>
	· · · · · · · · · · · · · · · · · · ·				<u>&gt;</u>
PID Reading					
Well Casing Vo           Gal./Ft. $1^{1/4_{II}} = 0.06$ $2'' = 0$ $1^{1/2_{II}} = 0.09$ $2 \cdot 1/2''$		4" = 0.65 6" = 1.47	· · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

1) Circle one unit type

Page \_ ( \_ of \_ (

## **ARCADIS**

Infrastructure, environment, facilities

.

				w-Flow G	$\nu$	er oampin	ոց բօց			
Project		Northrop	Grumm	an Co	Ъ					
Project Num	•	01496.04/0		Site Locatio	<u>را</u> ا	ethbage	LNY	Wel	110_1V-1	8624
Date		02/03/10	>	Sampled By		· Oorth		Des		
Sampling Ti	سىبو الم	See par	gez_	Recorded B			· partic		······	·····
Weather	<u>_</u> Cl	oudy, 35	2	Coded Repl	cate No.	U/A	V			
Instrument le	tentification	Jak to	. all le 1	a 1977	6.5	1	<u>-</u>	()		
Water Qualit				2095-4			HA	NY AUR	AD.	812
						Seria			+0 pp9	
Casing Mater		Stee 211	L	Purg	e Method		Nonde	dicated	blade	s bum
Casing Diam Sounded Dep		194			en interval (ft b		p_ <u>190</u>		Bottom	
Depth to Wat		29.0			o Intake Depth		19	2		
00000000000	or (it bring)		<u> </u>	-	e Time	Sta		······································	Finish/	2530
			· · · · · · · · · · · · · · · · · · ·	Field Parameter	er Measuremen	ts During Purgi	ng			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume	Temp	рН	Conductivity (umhos or	ÓRP	DO	Turbidity	Depth to
			Purged	(°C)	(s.u.)	mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
1100	0	450		5.7	6.6	308	.10.3	6-14.4	· · · · · · · · · · · · · · · · · · ·	37.5
11:05	5	-	-	-	<u> </u>	1				
11:10	10		-	11.1	7.23	204	-71.4	1.90	\$ 0.5	38:00
11:15	15		•	11.7	7.47	274	-91.4	1.45		-
11:20	20		-	10.8	7.75	270	-12.9	1-02	48.7	38.75
11:25	25			10 8	7.85	2.66	-134.2			-
11:30	- 30		<b>-</b>	10.3	7.90	282	-144.3		48.6	40.10
11:35	35	,	<b></b>	10.9	7:38	258	-152.6	0.71	-	
11:40	40			10.7	8.06	252	-163.4	0.64	45.4	41-18
1:45	45		-	10.7	8.10	250	-173.7	0.58	· · · · · · · · · · · · · · · · · · ·	•
1:50	50			10.8	811	248	-174.2	. 0.55	52.7	41.40
1:55	55			11.0	8.13	246	- 178.9	0.52	•••••	
2:00	60			11.3	8.12	242	-183-1	0-50		41.85
2:05	65			11.9	8.14	242	-183.0	0.50	a	62.8
llected Samp	le Condition	. c	olor Clor	ess	Odor	None		Appearance_		Cloudy
rameter Voc OL	M43	с	ontainer 40m/ 1	VDQ	i	<sup>vo.</sup> 3			Preservative	- (
		_	10		· -				Her	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	·····	_								······································
Reading			in.						<u>-</u>	
mments	-	T.3.1	61200	-						
		1		-	<u> </u>					·
	· · · · · · · · · · · · · · · · · · ·	—— (J-		· <u>·····</u>	······			·······		
·		·······								

Page ( of

## **ARCADIS**

Infrastructure, environment, facilities

			Lov	v-Flow Gro	oundwatei	<sup>•</sup> Sampling	g Log			
Project Project Numb Date Sampling Tim Weather Instrument Ide Water Quality Casing Materia Casing Diame Sounded Dept	e Closentification Meter(s) al ter	436 · 0 410 2   03   10	9 (917 U. .0209	Scree	Corp B J J.	ethpage - 0 estl 0 estl NA Serial	10) 19/ 2. Do 19/ 3. Z 19/ 8. Z 10 10 10 10 10 10 10 10 10 10	dicaled	D_N - 100 Dla∂) ( Bottom 19	2 & unt
Depth to Wate	r (ft bmp)		·····	Purge	Time	Start			Finish	
				Field Paramete	r Measurements	s During Purgir	ıg			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umbos or	ORP (mV)	DO (mg/L)	Hurbidity (NTU)	Depth to Water (ft bmp)
12.10	70	450		11.4	8.07	215	-170.0		61, 3	-
1215	75			11.2	8.10	211	-1812	0,58		42.55
1220	80			11.0	8.14	209	-193,0	0.55	71.7	
1225				11.1	8.16	204	-188.3	0.52		
1230				SAMA	LFE T	roc U	um 4.	>	450*	
				the funder,	s note		-	de		
				reading	high			1 value		,
				acture.	calibra	$\frac{t}{b} = \frac{t}{c}$	ell. 250	NTU		
			· · · · · · · · · · · · · · · · · · ·		· · · · · ·					
	·						. •			
								•		
<b> </b>				· · · · ·						
Collected Samp Parameter TVOC JL			Color <u>V./}/</u> Container <u>40 m</u> [	roà	\ \	No. 3		Appearance	<u>clandy</u> Preservative ЭЭ сл	
PID Reading _ Comments _					> fin	+ - 4 e	.+ /	edimen	<u>+</u>	
-										

Page \_\_\_\_\_ of \_\_\_\_\_

•

# ARCADIS

Infrastrúcture, environment, facilities

					~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	r Samplin	g Log			
Project		North	ap Girv	mman	Coop (	NGC-0	u2)			
Project Numb	er <u>NYo</u>	01496.02	10 . 0000	Site Location	Be	Inpage,	NY	Well II	N-100	:27-
Date	02			Sampled By		1. berthe		. Das		
Sampling Time		1500	·	Recorded By	·	S. Das	<u> 1000</u>	stling	•	
Weather	Clon	dy , 30° 1		Coded Replic	cate No.	NA				
Instrument Ide	ntification	D						Ŭ		
Water Quality	Meter(s)		ney Ven	ndes		Serial	#			
Casing Materia	at	Ref.	Steel	Purge	e Method	~	Von-de	dieated	1 bladd	es from h
Casing Diamei	er	4"		Scree	en Interval (ft br		-		Bottom 2	
Sounded Dept	h (ft bmp)	295		_ Pump	o Intake Depth (					
Depth to Water	r (ft bmp)	30.35		Purge	e Time	Start	355		Finish [	455
<u>.</u>				Field Paramete	er Measuremen	ts During Purglr	Ig			
Time	Minutes	Flow Rate	Volume	Temp	рН	Conductivity	ORP	DO	Turbidity	Depth to
	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or histom)**	(mV)	(mg/L)	(NTU)	Water (ft bmp)
1355		400	<b>_</b>	8.5	5.01	111.9	-14.3	44.57		35-35
1400				11-0	5.06	128-1	- 34	32.8/	21.9	30.20
1405	· •			11.1	5.03	143.7	-25	13.0%	12-	
1410	-			11.4	5.05	156.9	- 31.3	0-75	7-42	31.9
1415				11-4	5.14	157-8	-401	0.06		-
1420	<b>***</b> ***		•	12-1	5.16	156.3	- 35-8	o.22	966	32.05
1425	•		<b></b>	12.9	5.14	1587	-413	0.53		*
1430			<b>~</b>	13.1	5.19	159.6	-47·S	0.51	8-84	32.65
1435				13.1	5.23	158.8	- 46.7	0-48	•	
440	···		<del>~.</del>	13.4	5.21	157.1	-47.7	0-48	8.72	3267
1445				13.3	5.23	157.4	-48.5	6.47		-
1450		- SV/		13.3	5.20	157.4	-48.8	0.49	9.33	32.87
1455	·····	V		13.1	5.25	155-9	-418.7	0.52	9.34	
Collected Samp	le Condition		Color Color	1455	Odor_	None		Appearance	Clear	
Parameter			Container			No.			Preservative	
TVOC C	SLM 4.	5_	40ml	v oa	<del>-</del> .	3			Ha	
·		-			-					<u> </u>
PID Reading		<u> </u>								
Comments	Ser	aen (a)	the	bo Ho an	1 15	<b>พ</b> ้า <u>เ</u> รเห				
	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		X	· · · · · · · · · · · · · · · · · · ·		
·							Q			
·										



Page \_\_\_\_\_ of \_\_\_\_

Water Sampling Log

Project Northrop Grumman	Project No.	N Y001496	· 0413 - 00002
Site Location Beth page, NY		Date 02 0	•
Well No. N-10631 Replicate No.		Weather	cloud 30°
Sampling Personnel J. OerHing Sampling Tir	ne: Begin <u>II</u>	<u> </u>	End 1120
Purge Data	Field Parameters		
Measuring Point (describe) T-2C	Color	<u> </u>	only -> clean
Sounded Well Depth (ft bmp) 67	Odor	<u> </u>	in .
Depth to Water (ft bmp) <u>36.35</u>	Appearance		cuchy dear
Depth to Packer (ft bmp)			
Water Column in Well (ft) 30.65		1 <u>1V</u>	2V 3V
Casing Diameter <u>2<sup>n</sup>(σ·k</u> )	рН (s <b>.</b> u.)	4.54 4.27	4.18 4.48
Gallons in Well <u>4.9</u>	Conductivity	019	214 213
Gailons Purged		313 218	219 213
Prior to Sampling 14.71	(pmhos/cm) <sup>1)</sup>		
Pump Intake			15-3 14,9
Setting (ft bmp)	Temperature (°C)	12.2 15.0	13-3 7-07
Packer Pressure (psi)			
Pumping Rate (gpm) 1.0	DO (mg/L)		
Evacuation Method Non Ped. Rede Flow	ORP (mV)		
Sampling Method 3 tolum puge	Turbidity (NTU)	29.4 26.7	25.1 16-9
Purge Time Begin 1:00 End 11:10	Time	1100 1105	1110 1115-
	DTW (ft bmp)	- 41.50	
``````````````````````````````````````			
Remarks:	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	· · ·	-	
Parameter Container	No. 7		Preservative H H
total Celler Por Play	the 1		11 10
Miss Co/c- Box Mar	<u></u>		<u></u>
PID Reading			
Well Casing Volumes			
Gal./Ft. $1^{1/4_{11}} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2_{11}} = 0.09$ $2 - \frac{1}{2}" = 0.26$ $3 - \frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47		
1) Circle one unit type			

G:\TECHNICLIWOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



Project Project Numb		446-0410				I am i DA	A		<u></u>			
Date	e requer	2031		Site Locatio		GET NIPALE	~~~	Well	10 <u>6</u> M	<u>- 13p</u>		
		210 511	<u> </u>	Sampled By		EW			·····			
Sampling Tim	.e	<u>~</u>	<del></del>	Recorded B		6.0				·		
Weather	<u> </u>			Coded Repli	Coded Replicate No. N1A							
Instrument Ide	entification				`.							
Water Quality		•	<b></b>		•	Serial	- 44					
-						Seria			······································			
Casing Materi		- Pre		Purg	Purge Method Dedicated bladdy x000 to							
Casing Diame		<u> </u>		Scree	en Interval (ft bi	mp) Toj	2.00		Bottom 21	0 .		
Sounded Dept		210	9	Pum	o Intake Depth (	(ft bmp)	·					
Depth to Wate	r (ft bmp)	_4366	<u> </u>	Purg	e Time	Star	t <u>2:4</u> c	>	Finish	3:40		
				Field Paramet	er Measuremen	ts During Purgli	ng			•		
Time	Minutes	Flow Rate	Volume	Temp	рH	Conductivity	ORP	ро	Turbidity	Depth to		
	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or m <del>S/om)</del> 1)	(mV)	(mg/L)	(NTU)	Water (ft bmp)		
2:40		<u> </u>		11.9	5.56	167.5	210	2.08		43.98		
2:45	·			11.7	5.58	166.2	215.	1.20	-	~		
2:50				11.3	5,5	165.5	223	1.43		44.02		
2355	· · · · · ·			113	5,52	1149	225	1.41				
3:00	. <del></del>			11.1	5.50	163.1	229	1,29		1		
3:05	-		 	//./	5.5D	163.1	23	112-	150 A			
3,10				1/.1	5.48	163.1	23	1.12	<u> </u>	43.9		
3:15			·	[[].[	5:46	163.1	236	1.11		·		
3.20				11.1	5,44	162.7	239	.95	-	-		
3:25				107	5.11	165.1	240	97				
3:30				1017	5.46	16512	24183	.96				
3:35	-	-	<del>-</del> .	10,2	5.47	1660	242	322_				
3:40				112	5,47	166.3	243	.73		•		
lected Sampl	e Condition	, C	olor Colc	voters.	Odor	None		Appearance	reas	<u>.</u>		
ameter	460	. C	Lom1	voa		No.			Preservative			
	······································	••••• •	<u>10m(</u>	• • • • • •		<u> </u>			Hac.			
	·····			· · · · · · · · · · · · · · · · · · ·			· · · ·	• •				
Reading		<u>.</u>								•		
nments								۰.	• .			
	·							<u>, , , , , , , , , , , , , , , , , , , </u>	·			
		· · · · · · · · · · · · · · · · · · ·						·····	· · · · · · · · · · · · · · · · · · ·			
· · ···		······		······						<u> </u>		

Page \_\_\_\_\_ of \_\_\_\_\_'

G:\TECHNICL\WOLFERT\Technical Forms\2005Vowflowsampforms.xis - Sheet1



Page	/	of	/

Infrastructure, environment, facilities

	Water S	ampling Log	g			
Project Northrof Gru	mman Cost	Project No.	NYOO	14920	410.000	02_
	thpage, NY		Date		01/10	
Well No. 61M-155	Replicate No	NA.	Weath	ner	Sum y	300
<i>S. Pa</i> Sampling Personnel <i>J. Oe.</i>		ne: Begin <u>1</u> 2	20	-	End /	012
Purge Data		Field Parameter	s			
Measuring Point (describe)	toc	Color	Ge	los less		
Sounded Well Depth (ft bmp)	80	Odor		Tone		
Depth to Water (ft bmp)	43.01	Appearance	Ċ	leas		
Depth to Packer (ft bmp)	NA	· · · · ·				
Water Column in Well (ft)	37 FY		ł	1V	2V	3V
Casing Diameter	4" (65)	pH (s.u.)	6.73	6.31	6.95	6.16
Gallons in Well	24	Conductivity				·······
Gallons Purged		( <del>mS/cr</del> n) or				
Prior to Sampling	72 gallons	(µmhos/cm) <sup>1)</sup>	100.6	157.8	63.4	169.2
Pump Intake				-		
Setting (ft bmp)	75 Ft	Temperature (°C)	12.5	15.9	16.4	6.0
Packer Pressure (psi)	NA	,			1	
Pumping Rate (gpm)	15-3	DO (mg/L)				
Evacuation Method	Valance	ORP (mV)	-			
Sampling Method	Red: Flow (Non Ded.)	Turbidity (NTU)	11.9	6.02	56	6-0
	9-25 End 1006	Time	9-25	9-41	9-58	10-016
		DTW (ft bmp)	43.57-	43.58	43.77	43.00
Remarks: Small	pudde of	n:/ a	00000		ſ	7
·····	From backhoe	plan true	K.		<u>iren</u>	
······	· · · · · · · · · · · · · · · · · · ·					······
Parameter VOL OLM 4.3 Total Chroning	Container	No. 3 1	· · · · · · · · · · · · · · · · · · ·		Preservative HCI HNO3	
PID Reading	· · · · · · · · · · · · · · · · · · ·					Part
Well Casing Vol Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0 1 <sup>1/2</sup> " = 0.09 2-½" =	0.16 3" = 0.37	4" = 0.65 6" = 1.47				



		Water S	Sampling Log				
Project UDUAN	Pot-Geun	1 MAN	Project No	400149	6.0410.0	0002	
Site Location	BETHPAT	of NY		Date	2-24	-10	
Well No.	EM-ISC	Replicate No	)	Weath	ner	ONHEAST DEZZLO	
Sampling Personne	er Gw	Sampling Tir	ne: Begin <u>í</u>	55	_	End	3:33
Purge Data			Field Parameters	;			
Measuring Point (d	escribe)	TOC	Color	CDL	REBS		
Sounded Well Dept	th (ft bmp)	105	Odor	<u></u>	WE		·
Depth to Water (ff T			Appearance	<u>C</u> (	LAAN		
Depth to Packer (ft	bmp)	94					
Water Column in W	/ell (ft)			(	1V	2V	<u>3V</u>
Casing Diameter		4" (0.65)	pH (s.u.)	7,53	S.4	5,16	5,16
Gallons in Well	_	7,15	Conductivity				
Gallons Purged			(m <del>S/cm)</del> or				
Prior to S	Sampling	21.45	(umhos/cm) <sup>1)</sup>	326	184.9	213	1838
Pump Intake							
Setting (f	t bmp)		Temperature (°C)	14.1	1513	15,2	15,5
Packer Pressure (p	si)						
Pumping Rate (gpn			DO (mg/L)				
Evacuation Method	DG	DIECATED BLADDEN	ORP (mV)				
Sampling Method	-		Turbidity (NTU)				<20
Purge Time	Begin	End	Time				
			DTW (ft bmp)			-d	
Remarks:	94 -	x.43+50	- 75 Rit				
richanto.				56A1	PARLS 11	; <b> </b>	
		······································				T.	
Parameter		Container	No.			Preservativ	e
		······································	·······		-	<u></u>	
PID Reading	RADNY				-		
Gal./Ft. $1^{1/4n} = 0.0$ $1^{1/2n} = 0.0$			4" = 0.65 6" = 1.47	<b>.</b>	<u></u>		

.

## **ARCADIS**

Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Page \_\_\_\_\_ of \_\_\_\_

Project Project Numb	er NY0312	196.0410.	- 6R UM M 00002	Site Location	•	eth page		Well I	<u>_@m-</u>	ISD
Date	(	21/10		Sampled By	0		illiam			
Sampling Time	e			Recorded By			Iliam	<u> </u>	····	
Weather			<u></u> ,	Coded Replic	ate No.	(NA)				
Instrument Ide										
Water Quality I	Meter(s)					Serial				<u> </u>
Casing Materia	31	<u> </u>		Purge	Method			ed blad	der prov	s flow
Casing Diamet		4" PV		_	n interval (ft br		332		Bottom 3	42
Sounded Dept		<u> </u>	2		Intake Depth (f					5:23
Depth to Water	- (m amp)	- 13.1		Purge	Time	Stari	4:15		Finish 🚬 🖯	, : «
r	<u> </u>	γ	- <u>r</u>	Field Parameter	r Measurement	s During Purgir	1g 1		······	
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or <u>mS/om)</u> <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
4:25			<b>1</b>	p.2	5,25	1707	280	7,8	~	45,16
4:30		-		10,1	5,34	193,0	282		-	-
4:35	<del>-</del>	~		ilil	519	203	292	2.95		-
4:40	<b>.</b>		·	11.12	5.14	1966	293	2,33		-
4:45				146	5,03	204	301	2.41	<b>.</b>	
\$1,D		-	~	11.8	5,52	1948	301	3,98	<b>L</b> andon ;	
4:55	~	~	~	120	5,05	207	303	554	~	~
5100	<u> </u>	<u> </u>	~	12.0	5,03	195%	307	5171		45.18
5:05	-	~		1212	5,03	204	2310	5,75	-	
5:10	-	<b>e</b> *~	*	122	5,04	197,8	310	5.74	(	
5:15	<u> </u>			12,3	5,03	205	309	6.20	<u>~</u>	45.19
5:20	<u> </u>	-		124	5,04	198.4	309	5.95		
5:25	-			12.4	5.03	206	311	6.13	270	4519
Collected Sampl	e Condition		Color Cous	MUB35	Odor	NOUTE		Appearance	CLEAN	<b></b>
Parameter TVoこの	LM 4.3		Container 40ml	V GQ		No. 3		-	Preservative HCL	
						· · · · · · · · · · · · · · · · · · ·		-		
ID Reading	<b>v</b> →→		- <u> </u>			<u></u>	· · · · · · · · · · · · · · · · · · ·	~		
omments										
								•	· · · · · · · · · · · · · · · · · · ·	

,



Infrastructure, environment, facilities

Project Project Numt Date Sampling Tin Weather	per <u>NUCC</u>		<u></u>	MAW Site Location Sampled By Recorded By Coded Replic	 (	theage,	<u> </u>	. Well II	<u> </u>	15 <u>D-2</u>
Instrument Id Water Quality						Serial	#			
Casing Mater Casing Diame Sounded Dep Depth to Wate	ial eter th (ft bmp)		rC 56 7,165	Scree	e Method n Interval (ft br Intake Depth ( - Time	ft bmp)	Dedicate 536 12:30		u Kow Ko Bottom 55 Finish 3	w sampling 36 (1 30 pm
r	1	1		Field Paramete	r Measuremen	ts During Purgir Conductivity	ıg I	1	T	
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or 	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
2:30				14.4	534	10/27	252	5.17		47.05
2:35				14,5	5.35	104.9	253	5.32		
2:40		 		14.8	5,32	103.5	252	4.45		
2:45				14.7	5.29	99,1	266	4,80		47.62
2:50				14.3	518	98,6	283	5,62		
2:55				14,6	5.28	98.0	277	5.64		
3100				14.8	5,28	982	279	5.62		
3:05				145	5.29	98.0	279	65		47.62
3:10				14.6	5,29	98.2	278	5.82		
3:15				iun	5.29	97,7	280	5.77		
3:20				14.7	5.29	98.	280	5.47		
3:25				147	5,30	977	280	5,62		
3;30				147	5,29	97.8	281	5,67	:420	
Collected Sam Parameter イソっこ	ple Condition or LM 4+ 3		$\begin{array}{c} \text{Cotor} \underline{CDLD} \\ \text{Container} \\ \underline{4\sigma} \\ \text{ml} \end{array}$		Odor_	NOWE No. 3			CLVAR Preservative HCL	
PID Reading			-					-		
- - 1) Circle one u	nit type	· · · · · · · · · · · · · · · · · · ·				•••••		·····		



•		6	_	_		r Samplin	g Log			
Project	N	softer you	Grimma	- Syla	Corp.					
Project Numbe				Site Location	ι <u>ν</u> ε	He page Jerome Erome	NY	Welf I	0 G-M-1	7 <u>I</u>
Date		116/10	·	Sampled By		Jejone.	<u>Oe, fi</u>	ing		
Sampling Time		6:27	~	Recorded By	<u> </u>	e/ome	Derti			
Veather	547.	<u>0~-&gt;</u>		Coded Replic						
nstrument Ide	ntification	oakto	pH/cos	13589	79 .		W17	STOA-K	0 # 0	70143
Vater Quality I	Vieter(s)	Lamoft.	· 20201	7 <u>}                                   </u>	79	Serial		ton ORP	•	
		Rici		-						
asing Materia		PV2	<u> </u>		Method		Kon P	ton Ped		
asing Diamet cunded Depti		12	0		n Interval (ft br	-	<u> </u>		Bottom	20
epth to Water		40.		Pump Purge	Intake Depth (		· <u>···</u> ····	T		1 = 7 0
eptil to Mater	(ir emp)		7.0			Start	·		Finish /	6. 48
		r		Field Paramete	r Measuremen	s During Purgir	ng			•
Time	Minutes	Flow Rate (mUmin)	Volume	Temp	pH	Conductivity (umhos or	ORP	DO	Turbidity	Depth to Water
	Elasped		Purged	(*C)	(s.u.)	mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NŤU)	(ft bmp)
5:25	D .	500		7.8	5.41	150,3	137	10.25		
5:30	5	. i -		8,0	5.38	153.6	149.	10.10	· · ·	
5:35	10			8.1	5.35	169.1	150	10.87	2.24	42,7
5:40	15		. ,	8,2	5.70	175.3	150	10,07	·	
15:45	20			8.2	5.98	180.7	176	10,52		
5:50	25		·	8.3	6.13	180.4	161	10.12		42,7
5:55	20			8.3	6.15	180.4	165	9.85	2,20	
6:00	35		· ·	8.3	6.18	180.3	167	9.74		
6:05	40		· · · · · · · · · · · · · · · · · · ·	8.3	6.10	180.1	172	9.78	2.19	42.70
6:10	45			8:3.	6.19	180,2		9.51		
61.15	50			8.3	6.21	180.3	177	9.27	2.25	42 2
6:20	<i>T_</i>			83	6.21	180.3	179	9.39		10.70
6:25	60	V.		8.3	6.22	180.4	180	9.20	2.10	42.7=
		···	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 19				-			
lected Sample	e Condition		Color cle	۱ ۲ ۲	Odor_			Appearance	chai	
ameter			Container	······		No.		· · · ·		<del>.</del>
206 01	M 9.3		42-21	UNA		Ĵ			Preservative $\mathcal{HC1}$	
			·····	•						
Reading	•	· · · · · · · · · · · · · · · · · · ·		. •		· .				
nments	•	· · ·					-		1 - A	
	······································	· · · · · ·					·····			
·	· · ·	· · · · · · · · ·	· · ·	· · · ·	· · · · · · · · · · · · · · · · · · ·		· .	· · · · · · · · · · · · · · · · · · ·		
·	· · · ·	••••••••••••••••••••••••••••••••••••••	······				<u> </u>	• • • • • • • • • • • • • • • • • • •		
·	- 25-	·····								
	type									

.

G:/TECHNICL/WOLFERT/Technical Forms/2006/lowflowsampforms,xis - Sheet1

Ŷ;

### Page \_\_\_\_\_ of \_\_\_\_\_



Infrastructure, environment, facilities

Project	North	hing Gra	nna.	Syr. Cu	10.				<i>C</i>	-
Project Number		/		Site Location	Bet	hause 1	VY .	Well ID	G-M-1	10
Date	2/	17/10	<u>-</u>	Sampled By		ome l	DerHing			
Sampling Time	//	1.2.5		Recorded By	Je	-one C	2ctling			
Weather	245	<u>., 37</u>		Coded Replica	te No					
Instrument iden	tification	oaktin pl	food A	358979 195-42		Serial #		SPOA toy ORP		
Water Quality M	ieter(s)	~				. Ochar		,		-
Casing Material		Purc		• –	Method		~~ P	hd Blad	du- Bottom Z	98
Casing Diamete	1	298		•	Interval (ft bm)		288		Bottom	10
Seunded Depth				•	ntake Depth (ft	omp) Start	10520		Finish 1	1125
Depth to Water	(ft bmp)	42,2		Purge					( titisii	
			F	Field Parameter	Measurements	During Purgin	g	l		Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
10:20	0	470		8.7	5.47	169.6	220	9,27	3.78	
10:25	5			8.7	5.39	169.9	221	8.64		42.27
10:30	10			8.8	5.30	170.2	223	7.73	,	
10:35	15		<u> </u>	8.9	5.21	169,7		7,24	3.13	42.27
10:40	20			8.7	5,19	158.4	234	7.08		
10:43	25		······································	9.3	5.24	1555	274	7.00	3,12	42,27
10:50	30			9.3	3.24	155.0		7.17		
10:55	35			9.3	5.25	1548	235	7.24		42,27
11:00	40	· · · · ·	·····	9.2	5.24	155.0	236	7,22	2,27	
11:05	45			8.9	5.25	155,5	237	7.24		
11:10	50			8.9	5.24	155.5		7.21		42.27
				8.9	5.24			7.22	1.87	
11:15	55			8.9	5.24	155.4	237	7.21	0440 1	
11100	60	r		017	1.01	1		<i>v.cy</i>		
		[	color de	6/	LOdor	him		Appearance_	Clear	- -
Collected Sam	ple Condition		Container		0001_	No.		, ibbon anoo"	Preservative	
Parameter Juc 2	LM 4.3		40-1	NOA	_	3		_	Ha	
				<b>j</b>	-			-		
PID Reading		-			-			_		
Comments										
						~~~~				

ARCADIS	Page of
Infrastructure, environment, facilities Wate	er Sampling Log
Project Northese Grana Sur Con	Project No. NYJJ/496, 0410, 0000 2
Site Location <u>Bethpage</u> NY	Project No. <u>NYUSIY96,0410,00302</u> Date <u>2/9/10</u>
16-	e No Weather
	······································
Sampling Personnel Jerome Derthy Sampling	g Time: Begin 16:57 End 16:-
Purge Data	Field Parameters
Measuring Point (describe)	color clear
Sounded Well Depth (ft bmp)	Odor <u>noh</u>
Depth to Water (ft bmp) 37.90	Appearance clim )
Depth to Packer (ft bmp) 99	· · ·
Water Column in Well (ft) <u>11 (Sclaw joer</u>	(her) <u>1 1V 2V 3V</u>
Casing Diameter	pH (s.u.) 7.82 6.49 5.92 5.A
Gallons in Well 7,15	Conductivity
Gallons Purged Y 3	(108/cm) or 76,5 287 312 320
Prior to Sampling 21.45	(µmhos/cm) <sup>1)</sup>
Pump Intake	
Setting (ff bmp)	
Packer Pressure (psi) 500,000	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method Debredd Bladdy	ORP (mV)
Sampling Method Turkan parpe	Turbidity (NTU) 11,5 4,23 3.00 2.8
Purge Time Begin 155 191 End	Time 15:73 16:04 16:30 16:3
	DTW (ft bmp) 37.65 37,60 37.65 37.6
- CU. 37 40 x	9,43 test = 50,015
Remarks: 99-31,90 &	
· · · · · · · · · · · · · · · · · · ·	
Parameter Container Thuc vin 4.3 Long V	No. Preservative
PID Reading	
÷	
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16 3" = 0.37	4" = 0.65
Gal./Ft. $1^{1/4} = 0.06$ $2^{u} = 0.16$ $3^{u} = 0.37$ $1^{1/2} = 0.09$ $2 - \frac{1}{2}^{u} = 0.26$ $3 - \frac{1}{2}^{u} = 0.50$	6" = 1.47
1) Circle one unit type	

1.

.

A	AR	CA	DI	S
Informate.				£

Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Page \_\_\_\_\_ of \_\_\_\_

Project	N	1 v. H. A. rop	Gramma	in Sys.	Corp				~	
Project Numb	er NY001	196.0410.	00002	Site Location	j j k	ette page,	NY	Well ID	<u>, GM-</u>	180
Date	2	117/10 9:22		Sampled By		erome l	Dertling			
Sampling Tim	·	<u> </u>		Recorded By	<u> </u>	come (	Dertling			
Weather	Sum	- 3 Yo		Coded Replic	m.	1/21710 1/21710	and			
Instrument Ide	entification	oakts. p	ott cond st	75\$97	9	1. 10	YSI	JTOA P.	0. # 07	B1431
Water Quality	Meter(s) 🗸	anoth 2		095-4	200	Serial :	# Oakto	n ORP	#12 42	885
Casing Materia	al	PVC		_ Purge	Method		Dea	licated	Bladde	r
Casing Diame	ter	<u> </u>	····-	Screen	n interval (ft bm	р) Тор			Bottom 3	00
S <del>ounde</del> d Dept	h (ft bmp)	300		_ Pump	Intake Depth (fi	t bmp)	29.	<u>سم</u>		
Depth to Wate	r (ft bmp)	42.9	0	_ Purge	Tíme	Start	\$120	2	Finish	7:25
r	r	· · · · · · · · · · · · · · · · · · ·	1	Field Paramete	r Measurement		ig 1	η <i>σ</i>		
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
8:20	Ø	425		14.0	5,13	297	181	6.60	3.58	43.00
P:25	5	ļ		14.9	5,16	309	189	7.09		
8:30	10			15.2	5,16	333	196	7.40	,	
8135	15			15.4	5.21	335	207	7.18	3.17	43.00
1:40	20			14,8	5,22	338	211	6,64		
8:45	25	¥		14.5	5.23	339	213	6.52		
8:50	30	425		14,2	5.24	340	216	6,47		43.00
8:55	35			14.1	5.26	340	217	6.50	2,32	
9:00	40			14.1	5.29	340	218	6.61		43.00
905	45		· · · · · · · · · · · · · · · · · · ·	13.9	5,29	339	220	6,39		
910	Γ0			13.9	5,28	339	222	6.34	2.69	43.00
9:15	<u>ም</u> ም			17,9	5.28	339	223	6.30		
9:20	60	¥		14.0	5.27	339	223	6.29	2,21	
Collected Samp	ple Condition		Color de	a./	Odor	home		Appearance	dear	
Parameter J <i>VDC</i>	ULM Y-	3	Container 93-17	NA		No. 3+3+	3-43=12		Preservative <u>MC1</u>	
					· ·		·			
PID Reading	.>									
Comments	~									
						·····				
-								·····		
-		·····						· · · · · · · · · · · · · · · · · · ·		
1) Circle one u	nit type								·	

A	AR	RC/	4D	Ľ	S	
Infrastru	icture,	envire	onmer	٦t,	faciliti	es

	Water	Sampling Lo	9			
Project NCRTHDOP- /	RUMMAN)	Project No. <u>N</u>	UNT WAL	6 2410.	00002	
Site Location			Date		- (0	
Well No. <u>6M-20</u>	1	O. NA	— Weat		+	
2						
Sampling Personnel	Sampling T	ime: Begin 🛴	2:55	~~~	End	1:45
Purge Data		Field Parameter	s			······
Measuring Point (describe)	TEC	Color	Coun	LESS		
Sounded Well Depth (ft bmp)	105	Odor	Non			
Depth to Water (ft bmp)	35:06	Appearance	$-\alpha$	DAN		
Depth to Packer (ft bmp)	<u> </u>		0			
Water Column in Well (ft)	<u> </u>		<u> </u>	, 1V	2V	<u>3V</u>
Casing Diameter	4(0,65)	pH (s.u.)	5.46	11.04	10,76	11,20
Galions in Well	7.15	Conductivity				
Gallons Purged	v 3	( <del>mS/cm)</del> or	<u></u>			
Prior to Sampling	21.45	(µmhos/cm) <sup>1)</sup>	296	24	253	243
Pump Intake					10	
Setting (ft bmp)		Temperature (°C)	16_	111	11.3	12.1
Packer Pressure (psi)	20 PST					
Pumping Rate (gpm)		DO (mg/L)				
Evacuation Method	32MV ·	ORP (mV)	:		50_448 V / 100 -	
Sampling Method	) edicated bladde.	Turbidity (NTU)				<20
Purge Time Begin	End	Time	<b></b>		~	
		DTW (ft bmp)				
Remarks:	SGAL	PATTIS 11				
			·			
	·					. <u> </u>
Parameter Trocoln 4.3	Container 40m1_V0	No.			Preservative	3
	<u>– – – – – – – – – – – – – – – – – – – </u>	<u> </u>		-	Hee	
PID Reading	· · · · · · · · · · · · · · · · · · ·			-	·	
	olumes 0.16 3" = 0.37 ' = 0.26 3-½" = 0.50	4" = 0.65 6" = 1.47				

1) Circle one unit type

Page \_\_\_\_\_ of \_\_\_\_

A	ARCADIS	
Infrastru	icture, environment, facilities	S

Page	1	of	ſ
			 -

	Water S	Sampling Log				
Project NORTHROP-GRUN	nmAw	Project No.	140040	16.0410.	00002	
	PLOE N.Y			2-12-		
Well No. <u>CM-20</u>	· •	D. NA	Weath	er		<u></u>
Sampling Personnel GW	Sampling Ti	me: Begin_2	1,30		End	2.35
Purge Data		Field Parameters	5			
Measuring Point (describe)	TOC	Color	<u>Ce</u>	lodels		
Sounded Well Depth (ft bmp)	2.26	Odor	<u> </u>	one		
Depth to Water (ft bmp)	36.85	Appearance	<u>U</u>	ea.		
Depth to Packer (ft bmp)	215					
Water Column in Well (ft)			<u> </u>	1V	2V	3V
Casing Diameter	4(0.15)	pH (s.u.)	<u> 7.36</u>	5.12	6.07	5,79
Gallons in Well	7.15	Conductivity				
Gallons Purged	x3	(mS/cm) or	2.55			· ·
Prior to Sampling	21-45	(µmhos/cm) <sup>1)</sup>	•••	121.2	499	118
Pump Intake				01	20	_
Setting (ft bmp)		Temperature (°C)	13.5	13.7	137	13.1
Packer Pressure (psi)	130PSE					
Pumping Rate (gpm)		DO (mg/L)	. <u></u>			
Evacuation Method	35WV.	ORP (mV)				
Sampling Method D	edecated bladder.	Turbidity (NTU)				< 20
Purge Time Begin	End	Time	- «میر 			
		DTW (ft bmp)				
Remarks: <u>215-3</u>	6.85 0,43+5	$\frac{10}{2} = 2/30$	- ZZA (			
50	BAL PAGES MY	<sup>V</sup> h.				
Parameter TVOC OLM 4-3	Container <u>40 ml Vog</u>	No.			Preservati H+CL	ve
PID Reading				-		
Well Casing Vo	olumes					
<b>Gal./Ft.</b> $1^{1/4_{11}} = 0.06$ $2^{"} =$		4" = 0.65 6" = 1.47			-,,,	
1) Circle one unit type					•	

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



Page	_ of	1
------	------	---

	Water	Sampling Lo	g		• .	
Project Northrop	Gronman	Project No.	NYOO	1496 . ०५	10.0000	2
Site Location Be	hbago, NY		Date	01/2	9/10	
Well No. 61-215	hpago, NY Replicate N	o. N/A	 Weat	her	Bunny	18°F
Sampling Personnel J.O ort			<u>945 au</u>	<u>~</u>	V End	947an
Purge Data		Field Paramete	rs			
Measuring Point (describe)	TOC	Color	1	lorkss		
Sounded Well Depth (ft bmp)	67	Odor	N	one		
Depth to Water (ft bmp)	34.78	Appearance		lear_		·····.
Depth to Packer (ft bmp)						
Water Column in Well (ft)	32.2		1	<u>1V</u>	2V 7. 9 <i>P</i>	3V 8.00
Casing Diameter	2	pH (s.u.)	9.3	8.46	7. 9 <i>8</i>	8.00
Gallons in Well	15.46	Conductivity				
Gallons Purged	(32.2×0.45×3)	(mS/em) or				
Prior to Sampling	= 15.46	(µmhos/cm)	1) 165.4	169.2	153.9	144.9
Pump Intake	· · ·					
Setting (ft bmp)		Temperature (°C	s) <u>7.3</u>	7.1	8.0	7.5
Packer Pressure (psi)						
Pumping Rate (gpm)	·	DO (mg/L)		~		
Evacuation Method	<b></b>	ORP (mV)	<b>****</b> *			•
Sampling Method	Redito 3CWV	Turbidity (NTU)	37.8	64.3	68-3	13.2
Purge Time Begin	9-30 End 9-44	Time	9:30	2135	9:39	9:44
• •		DTW (ft bmp)	34.78	31.30	35.30	35.70
Remarks:				,	•	
Parameter Troc ol 14 4-3	Container Yom Vo æ	No.	3	· · · · · · · · · · · · · · · · · · ·	Preservative H A	
PID Reading						
1/)	olumes 0.16 3" = 0.37 '= 0.26 3-½" = 0.50	4" = 0.65 6" = 1.47	·			

<b>ARCADIS</b>	•	Page 1	of
Infrastructure, environment, facilities			v 49
Wat	er Sampling Log		
Project Northrop Gramma, Sy. Co. Site Location Bethpage NT Well No. G-M-21 I Replica	Project No. NYU014	96.0410.00002	
Site Location Bellpage No	Date	2/11/10	
Well No. <u>G-M-21</u> Replica	te No Weat	her <u>S'umung</u>	· · ·
Sampling Personnel Jervine Oer Harry Sampling	ng Time: Begin 16:09	End	16:06
Purge Data ·	Field Parameters		
Measuring Point (describe)	Color dea	>	
Sounded Well Depth (ft bmp)/ 40	Odor <u>yone</u>	<u> </u>	·
Depth to Water (ft bmp) 36, 99	Appearance chin		
Depth to Packer (ft bmp) 12.9			
Water Column in Well (ft) 11 (below	exche)	1V 2V	<u>3V</u>
Casing Diameter " (0.6.	<u>г)</u> pH (s.u.) 6.93	8.19 9.24	9.32
Gatlons in Well 7.15	Conductivity		
Gallons Purged × 3	(mS/cm) or 185./	146,1 141.4	1440
Prior to Sampling 21.45	(µmhos/cm) 1)	·····	
Pump Intake	<b>A</b>		
Setting (ft bmp)	Temperature (°C) <b><i>B</i>. 4</b>	8.1 10.9	11.3
Packer Pressure (psi) 65 pr.'			
Pumping Rate (gpm) 0-4	DO (mg/L)		
Evacuation Method Drd. Bladde Pump	ORP (mV)	221101	
Sampling Method 3 volume	Turbidity (NTU) 2.28	2.31 1.96	
Purge Time Begin 15:07 End	$- \text{Time} \frac{1507}{7477}$		16102
	DTW (ft bmp) 36.23	39,05 39.0	39.08
Remarks: $PJJ = 129 - 37 \times 43$	+25= 65 pli		
	•		۰
Parameter Container	No.	Preservati	/e
Tobe Cum 4.3 Yeur	<u>vor</u> <u>s</u>	- 4.01	
			······································
PID Reading			
Well Casing VolumesGal./Ft. $1^{1/4_{11}} = 0.06$ $2^{11} = 0.16$ $3^{11} = 0.37$ $1^{1/2_{11}} = 0.09$ $2^{-1}/2^{11} = 0.26$ $3^{-1}/2^{11} = 0.51$	4" = 0.65 0 6" = 1.47		

.

1) Circle one unit type

٠.

GATECHNICLWOLFERT/Tectual Formst2006/Water Sampling Log.XLS - Log

.

÷ . . .

**GRARCADIS** Infrastructure, environment, facilities

	Low-Flow Groundwater Sampling Log									
Project		North-	10.0002	Site Location	<u> </u>	IGiC-01 Thpage		Wall	GM-21	Ъ
Project Numbe		2/28		Sampled By	· · _ <del></del>	o contating		Das	<u> </u>	<u></u>
Sampling Time		5 20	<u> </u>	Recorded By	-1	oesth?	A I S	3805		<u> </u>
Weather			34°F	Coded Replica		NA	(1 - 1)			·····
Instrument Ide		$A \simeq$	-			1812				
Water Quality	Meter(s)	YSLE	50A, Dak	ton (1977	w/ H19:			Harie		<u> </u>
Casing Materia	al	4	"PVC	Purge	Method	1	Dedicate	d B10	Que :	low flow
Casing Diamet	er	Ż	<b>F1</b>	Screen	ı İnterval (ft bm	р) Тор	278		Bottom 28	<u>8</u> 1
Sounded Dept	h (ft bmp)	2	38	Pump	Intake Depth (ft	t bmp)			<u> </u>	
Depth to Water	r (ft bmp)	4	1.40	Purge	Time	Start	1415		Finish 5	515
				Field Parameter	Measurements	s During Purgin	Ig			
	Minutes	Flow Ra	te Volume	Тетр	На	Conductivity	ORP	DO	Turbidity	Depth to
Time	Elasped	(mL/mi		(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
1415	0	500	·	9.3	6.43	117.7	47.7	7.99	4.33	41-41
1420	Б			9.5	6-12	114.9	68-3	6.51		-
1425	10		:	9.6	5.81	110.3	90.3	5.34	4.32	41.42
1430	15			3.6	5.68	107.9	101.7	5,80		
1435	20			9.7	5.64	107.6	114.9	5.78	2-48	41.45
1440	25			3.7	5.59	107.9	121.2	5.83	*	·
1445	30		-	9.8	5.58	107.9	127.1	5.72	2.26	41.45
1450	35			99	5.50	108.6	131.5	5.78		
1455	40			3.9	5.56	108.9	136.5	5.82	2.65	41.45
1500	· 45			9.9	5-53	109.3	1378	5-81		
1505	50			10.0	5.54	108.9	1396	5.75	2.63	41. 44
1570	. 55			10.1	5.50	108.8	141.6	5.18	*****	
1515	60		- <b>'arm</b> ar-'	10.1	5,55	1030	141.9	5.74	2.28	41.44
		•								
Collected Sam	ple Condition		Color Cob	rless	Odor_:	None	÷	Appearance	Clear	
Parameter			Container			No.			Preservative	
Troe ?	Ivoe our 4-3 Gom						<u> </u>	-	Preservative	
PID Reading										
Commont-										
Comments										
				· ·						
-	, , , ,			<u></u>						



Project Northrop Gimman and Grap Project Number <u>NY001492.0410.00002</u> Site Location J <u>Betterage NY</u> Well ID <u>GIN</u> Date 02/02/10 Sampled By J. Das J. Dentlich	1-33D2
Project Number <u>NY001496.0410.00002</u> Site Location Betterage NY Well ID GIN Date 02-102110 Sampled By Sampled By	1-33D2
Date $02/02/10$ Sampled By $\int D_{\alpha}(\mathbf{r}') d\mathbf{r} d\mathbf{r}'$	
	*
Date 02/02/10 Sampled By J. Das J. Dentling Sampling Time 12:55 Recorded By J. Dentling	
Weather <u>cloudy</u> 35 Coded Replicate No.	
instrument Identification Ochtor Hanned Hanned JAP Water Quality Meter(s) <u>Lemothe 2020</u> Serial # EII DO	
Casing Material PVC Purge Method low Flow / Oclineadd B	14 dde
Casing Diameter $4''$ Screen Interval (ft hmn) Ton 50.0 Better	520.
Sounded Depth (ft bmp)	•
Pepth to Water (ft bmp) /6. 7 C Purge Time Start Finish	12:55
Field Parameter Measurements During Purging	
Time Minutes Flow Rate Volume Temp pH Conductivity ORP DO Turbic	fify Depth to
Elasped (mL/min) Purged (°C) (s.u.) (mW) (mg/L) (NT(	* Water
1150 0 400 13.4 4.78 119.4 -5.6 6.9,3	
1155 5 13.8 9.37 112.5 -5.3 6.2,7 6.0	
1200 10 123 5.02 105.5 -5.4 6.0 x8	47.20
1205 15 13.3 500 103.8 -4.7 60x0 3.1	۱
1210 20 13.6 5.06 102.3 -6.4 6.69	
12.15 25 12.1 5.14 104.3 -1.2 6.55 2.9	0 47.30
12120 30 12.1 J.12 103.7 -1.5 6.51	
12:25 35 12.1 5.09 103.5 -2.0 6.50	22
12.3 5.13 10 \$A -2.5 6.65 2.7	A
12:35 45 12.6 5.17 105.7 -2.7 6.81	
12:40 50 12. 8 5.21 106.3 -2.7 6.89	
2:45 55 12.9 5.24 106.4 -2.9 6.90	47.45
2:50 60 v 12.9 5.22 106.4 -2.8 6.91 1.P.	2
Dilected Sample Condition Color Odor Appearance	
rrameter Container No. Preserva	live
VOL OLM 4.3 40-1 VUA 3 40,	
D Reading	<del></del>
D Reading	
omments	
·	
Circle one unit type	

•

### **ARCADIS**

Infrastructure, environment, facilities

Project	Nort	Higo br	znn ci	Shar	Comp				et se d	2110
Project Numbe		16.0410.		Site Location	Bett.	MIGC N	~	Well ID	GM-	57D
Date		2/05/10	<b>)</b>	Sampled By	1	me O				
Sampling Time		11:30		Recorded By	Jer.	014-e 0	er Hing			
Weather		ad 30		Coded Replica	te No					
Instrument Ide Water Quality I		balitor,	pH/con La	А 1977 в 2095-У	5 200	Serial #	HAN TIL	NA A A. Po F	8896	
Casing Materia	ıt	Stee	/	Purge Method Pedica ted Bladde / Leh Plan Screen Interval (ft bmp) Top <u>309</u> Bottom <u>319</u>						
Casing Diamet				-	Interval (ft bm)		207		Bottom/	7
Sounded Dept					ntake Depth (ft		1.2.12.12			
Depth to Water	r (ft bmp)	6		Purge			10120	_ <u>,</u>	Finish	
r		·····	ł	Field Parameter	Measurements	······	9	r	<u> </u>	Danéh ta
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or CrS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:20	0	500		8.9	7.26	194.7	188.5	5.761		
10.25	5			9.1	7,79	192,3	173.1	4.60L	7.59	12.65
10:30	10			9.6	8-31	190.0	157.6	3.37		
10:35	15			9.9	8.47	187.2	155.2	2.57	3.67	
10140	20			10.3	8.60	180.7	153.0	2.01		12.68
10:45	25			10.7	8.76	185.4	152.9	1.51	3.72	
10,50	30			10.9	9.37	183.9	110,3	1.22		
10:10	35			11,2	9.63	182.4	835	1.11	4.38	12,70
11:00	40			11. 3	9.65	1815	79.2	1.07		
11:05	45			11.4	9.69	1805	76.1	0.98	4.40	
11:10	50			11.6	9.65	178.7	74.3	0.94		
11:15	TS			11,7	9.61	176.3	66.7	0.94		
11:20	60			11. 7	9.60	175.4	61.0	0.86	3.10	12.6P
11:25	65			11.7	9.57	175.1	62,1	0.91		
Collected Sam	ple Condition		Color <u>C</u> 4	eh-	Odor_	have		Appearance	der	
Parameter Container			10.7	_	No. F		_	Preservative		
		-						-	•····	<u></u>
DID Pooding		-	••••••		-			-		
PID Reading	,		-							
Comments										
		······································		<u>,</u>						
1) Circle one t	init type									

Page \_ 1 of \_ 2\_\_\_



Infrastructure, environment, facilities

Project	No-th.					D				GM-3	2400
Project Numbe	**	/		•	Site Location			1/2			
Date		2. [5] 3:50	10		Sampled By		rome C	ertling Dertling	Vary 1	N. Hign S	
Sampling Time Weather	محمد المستنب	s. John day	35		Recorded By Coded Replica		<u> </u>	<u>criing</u>			
11cuttion											
Instrument Ide					× 19776			• ·			
Water Quality I	Meter(s)				1091	<u>2095-4200</u> Serial# <u>71I PO # 8896</u>					
Casing Material Steel				/	Purge Method Non Peducted Bladde / Lon Pla						
					Interval (ft bm)		510		Bottom <u>5 と</u>	<u>o</u>	
Sounded Dept		$-\frac{52}{JY}$	25		Pump I Purge	ntake Depth (ft Time		12:15	<u> </u>	Finish (3	:20
Depth to Water	(it binp)	<u> </u>			-		During Purgin				
[]			-4-	Volume		· · · · · · · · · · · · · · · · · · ·	Conductivity	ORP	DO	Turbidity	Depth to
Time	Minutes Elasped	Flow R (mL/m	1	Purged	Temp (°C)	рН (s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
12:15	O	500	>		8.3	8,99	133.7	58.8	2.67		
12:20	٦				9. 7	8.82	128.7	61.7	1.23	35.7	14.25
12:25	10				10.9	8.74	124.1	632	0.85	<i>.</i>	
12:30	15				11,5	8.68	121.7	59.6	0.69		14.25
12:35	20				12.1	8-59	119.7	56.2	0.63		
12.40	25				12.5	D.56	118.0	54.2	0.61	40.2	14.25
12.45	30				12.6	P.47	116.2	51.7	0.59		
12:50	35				12.8	8.39	113.2	46.1	0.58		14.25
nsrr	40				12.B	8.36	112.7	42,7	0.57	50.1	
13:00	45				13.0	8.13	115.2	31.6	0.97		19.25
13:05	50				13.2	7,88	117.1	22.7	1.43	70,8	
13:10	-ر کر				13.0	7.68	118.8	40.6	1,87	5810	· · ·
13:15	60				13,0	7.60	119.5	46.8	2.35	74.6	
13:28	65				13.1.	7.53	120,2	52.2	2.76	50.8	
Collected Sam	ple Condition	5	Co	olor <u>6</u> ~	e 4	Odor_	none		Appearance_	greg-s.	·1Hz
Parameter			(	ontainer			No.			Preservative	,
trol J	LM 4.3	-	_Z	only	IA	-				<del>_</del> _	
		-			······	-			•		
PID Reading											
Comments											
		····									
1) Circle one	unit type										

Page 2 of 2

**ARCADIS** Infrastructure, environment, facilities

Project	Nor	hip C.	444A 0	Site Location	y	//		March 10	GM-3	400	
Project Numbe	, NY 2017	<u>40.0410.</u>	00002		-per	horac A some C one Ore	Do Hi	vven in	11 2	//	
Date	2	15/10		Sampled By	<u></u>	some l	Ver gling	crary m	11/14/	·····	
Sampling Time				Recorded By		une Or	- Miry-	······································			
Weather				Coded Replica	ite No						
Instrument Ide		<u> </u>	00			Serial #	1				
Water Quality I	vieter(s)										
Casing Materia					Method 1 Interval (ft bmj	n) Ton		Bottom			
Casing Diamet		<u> </u>		_							
Sounded Depti Depth to Water	-			Pump Intake Depth (ft bmp) Purge Time Start Finish							
				Field Parameter	r Measurements	s During Purgin	g				
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DÖ (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)	
1325	70	500		13.0	7.38	1205	57.2	2.82	41.7		
1330	75			13.0	7.27	120.7	60.0	2.89	38.2	14.25	
(3)35	80			12.5	7.17	121.2	68.8	2.94	31.1		
13:40	8 J			12.3	7.10	121.7	66.2	3-01	301		
13:45	90			12.1	7.06	122.0	64.1	3.17	30.2		
13:50	95			11.9	7.00		69,6		30.2	14.25	
				-							
									1	[	
Collected San	i	<b>.</b>	Color		Odor_		1	Appearance_	<u> </u>		
Parameter			Container 40 ml	1 5 9	<u>-</u>	No.		_	Preservative H-CG		
	~							_	<u> </u>		
DID Baading		_	<u></u>		_				<u></u>		
PID Reading			_								
Comments											
1) Circle one	unit type										

### **ARCADIS** Infrastructure, environment, facilities

A. 1

· · · /	Water S	ampling Log						
Project NORTHROF-DRUMM	Ais	Project No	4001	496,04	0. 0000	.2		
Site Location BETHPAG		Date <u>2.3-10</u>						
Well No. 6M-350	2-2 Replicate No	o. NIA Weather OUMCOST						
Sampling Personnel GW	Sampling Tin	ne: Begin /	0:30		End	1:30		
Purge Data		Field Parameters						
Measuring Point (describe)	TO C 530,00	Color <u>CULUESS</u> Odor <u>NBUE</u>						
Depth to Water (ft bmp)	37.22	Appearance	C	43742				
Depth to Packer (ft bmp)	508							
Water Column in Well (ft)	22		1	1V	2V	<u>3V</u>		
Casing Diameter	4"	pH (s.u.)	5.10	5.13	5,30	5.27		
Gallons in Well	14.30	Conductivity	:					
Gallons Purged	ت ا	(mS/cm) or						
Prior to Sampling	45,00	(µmhos/cm) <sup>1)</sup>	1953	1307	152,3	119.9		
Pump Intake								
Setting (ft bmp)		Temperature (°C)	11.6	13.2	14.6	15.1		
Packer Pressure (psi)	220 FST							
Pumping Rate (gpm)		DO (mg/L)						
	35WV .	ORP (mV)			-			
Sampling Method	realedbladder.	Turbidity (NTU)				220		
Purge Time Begin	End	Time				-		
		DTW (ft bmp)		•••		<u> </u>		
Remarks:5 (2	AL PAT	LS MIII	[]			······		
Parameter TVOCOLM4-3	Container 40 ml Voa	No.		-	Preservative HQ.	3		
PID Reading <u>1.2</u>	NO BRONTHER	6 Sont		- ·				
Well Casing Volume           Gal./Ft. $1^{1/4_{11}} = 0.06$ $2^{"} = 0.16$ $1^{1/2_{11}} = 0.09$ $2 \cdot \frac{1}{2^{"}} = 0.12$	3" = 0.37	4" = 0.65 6" = 1.47						

ARCADIS	4 ·				Page	of
Infrastructure, environment, facili		Sampling Lo	g			
Project <u>No-thype Gramma</u> Site Location <u>Bethpage</u>	Sy Com	Project No	NYON	1496.0	410.00	0002
Site Location Bethpage	NY		Date	_2/9	110	
Well No. <u>CM-360</u>	Replicate No	D	Weath	ier		350
Sampling Personnel Jerume Q.	Ha Sampling Ti	me: Begin	11170	-	End	11 8 4 3
Purge Data	~	Field Paramete	ers			:
Measuring Point (describe)	TOC	Color	clear	clise nom	clear	cha
Seended Well Depth (ft bmp)	214	Odor	none	home	Are .	Inom
Depth to Water (ft bmp)	33,35	Appearance		RICA	da	elec
÷	202					,
Water Column in Well (ft)	12 (befor and	6)	- 1	1V	2V	3V
Casing Diameter		ノ pH (s.u.)	6.25	1V 6,13	5.85	5.97
Gallons in Well	7.8	Conductivity				
Gallons Purged		(MS/cm) or	167.4	145.7	139.4	137.8
-	24	, (µmhos/cm)				
Pump Intake						
Setting (ft bmp)		• Temperature (°0	)12.9	13.3	13.7	14.1
Packer Pressure (psi)	100			i.		
Pumping Rate (gpm)	9-2:4	DO (mg/L.)		<b></b>	~ <b></b> ^	
	Bladder	ORP (mV)	<b></b>			
Sampling Method 3 /	mi	Turbidity (NTU)	2.3	2,10	2,05	1,98
	De End 11:45	Time	10502	10:20	11:00	11:40
· · · · · · · · · · · · · · · · · · ·		DTW (ft bmp)	1-0-00	32,98	32.52	32,87
	`		33.35			
Remarks:	25 4 47 2	1 7 - 07	7			
L 0 L 33, ;	75 X, Y3 + 1	<u>L) - 7 (</u>	p. 28.			
Parameter	Container	No.			Preservative	
The Olm 4,3	4001 LOA				1101	
PID Reading				-		
Well Casing Volumes						
<b>Gal./Ft.</b> $1^{1/4_{\text{tr}}} = 0.06$ $2^{\text{tr}} = 0.16$	3" = 0.37	4" = 0.65				

1) Circle one unit type
-------------------------

ί.

<b>ARCADIS</b>		Page <u>1</u> of <u>1</u>	
Infrastructure, environment, facilities			
Water	r Sampling Log		
North Section	Project No NY DOL	496,0410,00000	
Project Northrop Gramma, Sy. Comp Site Location Betholigy No	110j00(110: <u></u>	2/9/12	
Well No. $(-M-36D2)$ Replicate	No Weath	2/9/13 ner 541 may 3500	•
Well No. <u>C-M-36D2</u> Replicate	NO		<u></u>
Sampling Personnel Jerume Oerthing Sampling	Time: Begin <u>/ 4 5 3 6</u>	End 14:3	<u>م</u> `
Purge Data	Field Parameters		
Measuring Point (describe)	Color cleur	$\rightarrow$	
Euo			
Sounded Well Depth (ft bmp) 35, 85	Odor <u>new</u> Appearance <u>clear</u>	>	
TIP	, pposision		
Depth to Packer (ft bmp)     > 18       Water Column in Well (ft)     22 (below me)	ch.)	1V 2V 3V	
Casing Diameter $4''(0.65)$	pH (s.u.) 7.03	10,62 8,94 7,0	, <i>f</i>
Gallons in Well 14,3	Conductivity		
Gallons Purged (× 3 )	(mS/cm) or 155.3	222 152,5 147.	5
Prior to Sampling <u>43</u>	(µmhos/cm) 1)		
Pump Intake			
Setting (ft bmp)	Temperature (°C)	14.6 14,3 14.	2
Packer Pressure (psi) 232			
Pumping Rate (gpm) O. 6 gpm	DO (mg/L)		
Evacuation Method Reduce ted Pladde	- ORP (mV)		
Sampling Method Zulance	Turbidity (NTU) 8.20		
Purge Time Begin <u>12552End</u>	Time 12:54		35
	DTW (ft bmp) 36.48	36-27 36.52 36.	<u> ノ 7</u>
Remarks: 518-35.85 × . 43	+25 = 232,	2 10 5 5	
······································			•
Parameter Container	No.	Preservative	
The own 4.3 Youth	3	H.cr	
PID Reading			
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16 3" = 0.37	<b>4" = 0.6</b> 5		
Gal./Ft. $1^{1/4_{w}} = 0.06$ $2^{w} = 0.16$ $3^{w} = 0.37$ $1^{1/2_{w}} = 0.09$ $2 - \frac{1}{2^{w}} = 0.26$ $3 - \frac{1}{2^{w}} = 0.50$	6" = 1.47		<del></del>

Page 1 of 1

1) Circle one unit type

٢,

GATECHNICLWOLFERT/Technical Forms/2006/Water Sampling Log.XLS - Log

ARCAD					Page	of
Infrastructure, environmer		r Commission (				·
		r Sampling Lo	•			
Project Northrop	Grumasa Sys. Co.	Project No.	NYOU	1496.0	0410.0	20002
Site Location Bethe	Eger NY		Date	2/15	-/10	
Well No. CM-3	Francis Syl. (s-, Fige, NX 10 Replicate	No	Wea	ther	Junne	2 35-1
Sampling Personnel J. Oc.	<u>fling</u> Sampling	Time: Begin_	13:05	• 	End	13:03
Purge Data	**** **********************************	Field Paramete	ers		<del></del>	<u> </u>
Measuring Point (describe)	70c	Color	clear	$\rightarrow$		
<del>Soundo</del> d Well Depth (ft bmp)	262	Odor	none	>		
Depth to Water (ft bmp)	37.40	Appearance	Clea	~ ~>		
Depth to Packer (ft bmp)	240					
Water Column in Well (ft)	22 (below pac)	ker)	<u> </u>	1V	2V	3V
Casing Diameter	<u>22 (below pac)</u> <u>4" (0.65)</u> <u>14.3</u>	рН (s.u.)	4.79	4.74	4.74	4.81
Gallons in Well	14.3	Conductivity				
Gallons Purged	(* )	( <b>k</b> )6/cm) or	250	240	243	233
Prior to Sampling	43	(µmhos/cm)	1)	<u></u>	-	
Pump Intake						
Setting (ft bmp)		Temperature (°C	C) 10. P	13.3	13.7	14.9
Packer Pressure (psi)	1/3-120					
Pumping Rate (gpm)	0-3 fen	DO (mg/L)	• <b></b>		-	<u> </u>
Evacuation Method	od. Bladder	ORP (mV)			-	
Sampling Method	3 vilane	Turbidity (NTU)	2.4	2.10	1.95	1. 73
Purge Time Begin	11306 End 1308	Time	11106	11:53	12133	13:05
		DTW (ft bmp)	37.35	37.21	30,10	31.78
Remarks:	I = 240 - 37.40 x	c. 43 4 - F -	. 113	3,05 5		
				<i>pos</i> ·		
(Notank Total )	tat 1100)					
Parameter Truc PLM 4.3	Container 19-1 10.	<u>A</u> <u>No.</u>			Preservative H C /	······
Hin split THE	42-1 VUI	<u>r</u> <u>2</u>	· · · · · · · · · · · · · · · · · · ·		HCI	
PID Reading						
Well Casing Vo	lumes					·····
<b>Gal./Ft.</b> $1^{1/4_{ii}} = 0.06$ $2^{ii} = 1$		4" = 0.65 6" = 1.47				

1) Circle one unit type

ł

ARCAD	IS				Page(	_of
Infrastructure, environmen						
	Water S	Sampling Lo	g			
Project Northers 6	France Sur Gra	Project No.	NYJOL	496.04	10.0000	<u>~                                    </u>
Site Location Bett	Dace NY		Date	2/15/	10	
Well No. 6-M-371	P2 Replicate No	)	 Weath	er	Sunny	35.
······					/	•.
Sampling Personnel J. Or	sampling Tir	ne: Begin_	16:22		End	16:27
Purge Data		Field Paramete	ers			
Measuring Point (describe)	Toc	Color	clear	>	•	
Sounded Well Depth (ft bmp)	390	Odor	4 von	$\rightarrow$		
Depth to Water (ft bmp)	38.31	Appearance	c/Ea_			
Depth to Packer (ft bmp)	367		. –			
Water Column in Well (ft)	23		<u> </u>	1V	2V	<u>3V</u>
Casing Diameter	4" (0.65)	pH (s.u.)	5.41	5.16	4.86	3V 5.05
Gallons in Well	14.95 X3	Conductivity				
Gallons Purged	×3	<b>∕∕o</b> S/cm) or	167.5	155.4	157.9	15A.6
Prior to Sampling	45	(µmhos/cm)	1)			
Pump Intake	_		11			15
Setting (ft bmp)		Temperature (*	c) <u>19.2</u>	14.2	13.4	13.6
Packer Pressure (psi)	(66					
Pumping Rate (gpm)	0,25 gpm	DO (mg/L)				
Evacuation Method	Ped. Bladde	ORP (mV)			3	717
Sampling Method	3 volume	Turbidity (NTU)	2.97	2.88	2.43	4.13
Purge Time Begin	n 12:28 End 16:27	Time	13320	19529	13128	V6122
		DTW (ft bmp)	38.17	\$7.JP	37.10	37.52
Remarks:	SI = 367 - 78.31	4.43 +2.	T= /6	6		
	- <u> </u>					
	117 20 1					•
Parameter Tun ULM 23	Container <u>40-10-09</u>	No.	·····	-	Preservative	B .
Hin split was	Youl VOA			-	Hel	· · · · · · · · · · · · · · · · · · ·
PID Reading						
Well Casing			· · · ·			
	$= 0.16 \qquad 3^{*} = 0.37 \\ 4^{*} = 0.26 \qquad 3^{-1} 4^{*} = 0.50 $	4" = 0.65 6" = 1.47				
1) Circle one unit type						

Page \_ l \_ of \_ /

GATECHNICLWOLFERTITechnical Forms/2006/Water Sampling Log XLS - Log

.

۰.

. .



### Low-Flow Groundwater Sampling Log

Project	No	RETHROP.	- GRUMM	1 And		D					
Project Numb		1496.0410		Site Location	Be	thp age.	.NY	Well ID	Gn-	38 0	
Date		2-4-10		Sampled By	G						
Sampling Tim	e			Recorded By	G	ک ا			······································		
Weather				Coded Replic	ate No	NA					
Instrument Ide											
Water Quality	Meter(s)	<b>.</b>				_ Serial a					
Casing Materia	al	_AVC	·	_ Purge Method Ded. Cat				ted bladdes/KF sampling			
Casing Diame	ter	41		Scree	n Interval (ft bm	р) Тор	320		Bottom <u>34</u>	<u> </u>	
Sounded Dept		340		Pump	Intake Depth (f	: bmp)				V	
Depth to Wate	r (ft bmp)	37.4	14	_ Purge	Time	Start	12:15		Finish	15.	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Field Paramete	r Measurement	s During Purgin	9	····			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/em) <sup>-1)</sup>	ORP (mV)	DÖ (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)	
12:15		<b></b>	•	10.7	6.07	146.8	150	3.65	# arr.	37.98	
12:20	<b>A</b> ment	-	L.	14	5.81	146,5	159	2.09			
12:25		*		11.1	5.53	1478	175	1.30			
12:30		-	-	161	5.53	147.5	177	1.27	<b>1</b>	-	
12:35		<b>~</b>	•~	ili	5,34	148.3	187	I,DD		-	
12:40			<u> </u>	11.4	5.17	144,8	196	.95		38.00	
12:45	-	. سب	<b>-</b> ⊂`	IIM	4.25	143.4	200	.95		•	
(2;SD		-	~~	113	4.89	142.4	200	95			
12:55	~	~	-	11.2	4.99	141.6	24	95	-	38.04	
1-0D		-			4.86	1-12.2	217	-86	-		
1:05		~	•	10.5	4.87	142.7	220	.77		<i>u</i> .	
1:10			-	10.4	4.87	142.5	220	.76		-	
21:1	-	-	. <b></b> -	10.4	4.88	142.8	220	.75	<20	38.04	
			L					L			
Collected Samp	ble Condition		Color COLI	NUBS	Odor_]	VONE		Appearance	UEM		
Parameter			Container	1 15 10 0		No.			Preservative		
TVOC 0	LM 4.3		yom	1 Voa	-	3_		~	Ha		
								-		n	
PID Reading	0.0	Srim-	N-13-52	75.11	-			-			
			1 1 20 6-								
Comments											
-			· · · · ·								
-										······	

.



				w-Flow Gr	oundwate	r Samplin	g Log			
Project	N	ORTHROP	-6 ROMI	MAN					~	
Project Numb				Site Location	¥	SETHMACK	NY	Well II	<u>61 - 3</u>	20-2
Đate	18	1 2-4-10				GW				
Sampling Tim	e			Recorded By	·····	<u> </u>				
Weather		~		Coded Replic	ate No.	N)A				
Instrument Ide	entification	,								
Water Quality	Meter(s)			<u></u>		Serial	#			
Casing Materi	al	Prc		Purge	Method		Lowfi	Sw (Dedi	leated b	adder)
Casing Diame	ter	<u> </u>		Scree	n Interval (ft br	n <u>p)</u> Top			Bottom 4	
Sounded Dept		495		Pump	Intake Depth (	(t bmp)	<u> </u>			
Depth to Wate	r (ft bmp)	_ 41.4	-1 ···	Purge	Time	Star	t <u> </u>		Finish 2	55
		· · · · · · · · · · · · · · · · · · ·	1	Field Paramete	r Measuremen	-r			T	
Time	Minutes Elasped	Flow Rate (mL/mIn)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or m <del>S/cm)<sup>c</sup><sup>1)</sup></del>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1:50				8.8	4.88	160.5	218	6.9	1	41.19
1:55		-		89	5.89	164.2	216	8.28	-	
2:00	-			9.2-	5,98	105,1	213	7.74	-	-
2:05	-	-		9,D	6.02	165.0	212	7.72	~	_
2110			-	9.0	6.02	164.8	212	7.59	-	
215			-	G.D	(DY	164.8	213	7.51		41.12
2:20		<b></b>		9.6	6.03	1633	2.13	8.07-		t .
2:25	-	-	-	9.6	6,03	1633	23	7.81	-	- 13
2:3D		-	· · ·	ID.D	5.99	161.8	212	7.59		
2:35	-		-	10.1	699	1615	212	7.94	~	-
2:40	-	-	~~··	10.2	545	161.5	213	7,97		~
2:45	··			9.9	5.97	227	213	6.79	~	41,20
2:50		-		99	6.14	2.79	211	6.52	~	
2:55	-	7		99	6.12	221	217-	6.45	220	
Collected Sam	le Condition		Color_COU	orcess		NONE		Appearance	CLOAN	t
Parameter <u>TV0C0</u>			Container 40 m l V			No. 3		- () [) o di di to (	Preservative	
1000.0	<u> </u>			<u> </u>				-	<u></u>	
		a Bri		5 Zowis				-		
PID Reading										
Comments _	_ 7ETK	ANZA	15 PU	MPENG				AT	2.356	,om
-	Arrow	oonATDy	7Str	NW OF	THE 3	28 CW3	ron, j	JS PER 7	T.T	
-										

1) Circle one unit type

.



			Low	-Flow Gr	oundwate	r Sampling	g Log				
Project Project Numb	-N2 ™ NYC		P- <u>CORU</u> 110.0000		Bet	th page,	NY	Well II	_ <u></u> 6M-	39 A	-
Date		-29-10		Sampled By	~~~~~	ZU U			·	· · · · · · · · · · · · · · · · · · ·	_
Sampling Tim	e	· · · · · · · · · · · · · · · · · · ·		Recorded By		<u> 3W</u>					_
Weather		·		Coded Replic	ate No.	NA	·				
Instrument Ide											
Water Quality	Meter(s)	<u> </u>				Serial			······	<u> </u>	-
Casing Materia	al	Pro	<u> </u>	Purge	Method	:	Dedica	ted Blad	toos dou	37600-50	emplin
Casing Diame	ier	4		Scree	n Interval (ft brr	np) Top	262	<del></del>	Bottom 2	3'2	
Sounded Dept	h (ft bmp)	282		Pump	Intake Depth (f						_
Depth to Wate	r (ft bmp)	<u> </u>	Ĵ	_ Purge	Time	Start	12:00	>	Finish 1	00,	2
				Field Paramete	r Measurement	s During Purgin	g				
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or AnS/em)- <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)	
12:00		·			6.41	~	176	7.95	<u> </u>	36.79	
12:05	· <b>-</b>			9.3	5.46	113.6	175	8.42			
12:10	ł		~~~	9.2	5,44	112.8	180	8.28		-	
Dias				8.8	5,50	113.0	628	841	-	~	]
12:20			-	2.8	5.53	112.7	186	8.34	-	_	
17:25		۰	-	29	5,53	112.5	192	8161			
12:30		-	-	3.3	5.56	1128	193	8.66	<u> </u>	36,80	Į
12:35			-	83	5.55	113.2	196	8.49	<u> </u>		
12:40		-	-	8.4	5.54	112,9	199	8.47			
12:41			~	8.5	5.53	1130	202	8.29			
1250		····		9,1	5,53	1122	-199-	837		<b></b> .	
12:55	~		~	25	<u>555</u>	1126	200	8.53		~	
1:00				8.7	5.56	112.7	201	8.45	20	·	
Collected Sam	ble Condition		Color_CO1	orve3s	lOdor	NOVIS		Appearance_	~ USAN	]	l
Parameter			Container Loruli			No.			Preservative		
TVOC O			<u> </u>	04	-	3		-	tre		_
· · · · · · · · · · · · · · · · · · ·					-			-			
PID Reading											
Comments					• · · · · · · · · · · · · · · · · · · ·						
-				<u>,</u>		<u>-</u>					
-											
- 1) Circle one u	nit type				*						
					•						

. .



Project	Ň	ORTHROP	2-CRUM	v-Flow Gr MAW		۰. محسطینین	,		-	
Project Number	NUF	DIMIN	110.000	Site Location	ßa	mpage	NY	Well II	6M-2	9B
Date	ار ا <del>ر</del> ار	79-10		Sampled By	ĥ	13 1				-+ <b>*</b>
Sampling Time				Recorded By	Ē	TO V				
Weather	C	BAN 2	59	Coded Replic		A ·	·····			
Instrument Iden	fification									
Water Quality M			<b>19</b> ,			Serial	#			
Casing Material				Purge	Method			-	,	
Casing Diamete	r	<u> </u>	·	Scree	n Interval (ft br	ір) Тор	410		Bottom (	120
Sounded Depth		420			Intake Depth (f	t bmp)			~	10
Depth to Water (	(ft bmp)	<u>39</u> .0			Time	Start	1:10		Finish 2!	10
				Field Paramete	1	Conductivity	1	T		Depth t
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or .m@fam) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp
1:10		·		7,5	5.50	112.6	205	9.40		39,6
1:15				8.1	5.52	113.0	209	8.49		ļ
1:20				8.6	5.37	113.3	211	8.63		
1:25				8.9	5.31	1129	214	2.40		
1:30				9.5	5.27	112.6	220	8.49		39.6
1:35				9.8	5,26	112.1	21	8.38		
1:40				a.7	5:30	1124	220	8.52	-	
1:45			·	107/	5,29	112.1	220	8.61		
1:50				10.0	5.21	111.8	27.0	8.51		
1:55				10.1	5:27	111.8	221	8.64		39.6
2:00				10.1	5.24	1117	221	8,63		<u>                                      </u>
2:05				98	5.22	112.3	222	2,56		
,				97	5,23	100	228	8.67	<20	
2:10				<u>      / / / / / / / / / / / / / / / / /</u>			<u> </u>	DIGI		-
Collected Sampl	e Condition	£	Color COL	oues	U	NOWE		Appearance	CLEXAN	<u>۲.                                    </u>
arameter			Container			No.			Preservative	
trocol	M 4-3	-	yomi	voq	-	3		-	4101	*
		-			-			-		
ND Reading										
comments				·						
<u> </u>			······							
_										
				•						

			Pagel	
Infrastructure, environment, facilities	Water Sampling Log	a		
		-		
Project <u>No-throp Grumman Sy</u> Site Location <u>Bethpage</u> NJ Well No. <u>GM-70D2</u>	Project No.	NY001496.	0410,0	00002
Site Location Bethpage NJ		Date2//	6/10	
Well No. 6M-7002	Replicate No.	Weather 🖍 🦛	in/sleet	32-
Sampling Personnel J. Oer Hing	Sampling Time: Begin	13:25	End	13:28
Purge Data	Field Parameter	rs		
Measuring Point (describe)	Color	dear -> none -> clear ->	<u></u> .	
Sounded Well Depth (ft bmp) 330	Odor	none ->		
Depth to Water (ft bmp) 39.50	Appearance	clear ->		
Depth to Packer (ft bmp) <u>308</u>				
Water Column in Well (ft) 22	(below pacher)	<u> </u>	<u>2V</u>	3V
Casing Diameter	0.65 pH (s.u.)	<u>1</u> 1V <u>4.38</u> <u>4.8</u> P	4.97	5.06
Gallons in Well 14,3	3 (held) Conductivity			
Gallons Purged	(Packed jegS/cm) or	136.3 106.7	107.8	116.2
Prior to Sampling <u>43</u>	(µmhos/cm)	1)		
Pump Intake				
Setting (ft bmp)	Temperature (°C	12.2 13.8	12,0	12.9
Packer Pressure (psi) 140	<u>05</u>			
Pumping Rate (gpm) $21.5 g$	مر DO (mg/L)	·	<u> </u>	,
Evacuation Method Ped. Blade				······
Sampling Method <u>3 villane</u>	Turbidity (NTU)	2,582,31	2.10	
Purge Time Begin 10134 End	Time	10:34 11:10	12:20	13125 40.83
	DTW (ft bmp)	40,21 40,70	40.02	40.83
Remarks: $\int J = 3\partial J = \bar{J}$	39.50 ×.43 +25	111 - 140 pc		
* 1201/1 80x -	89.50 ×.43 +25	nen IV + 2V		
12752 - 40 patre a	roan - turn att congression			
Parameter Control 13:10 - Control Cor TVOL OLM 4.3 43	party illy e betw room - turn off compressor box working - container ntainer No. Pm/ top	to progo	Preservative	9
H.M. solit TVOL 4:	~1 VOA Z		Hel	
PID Reading				
Well Casing Volumes				
<b>Gal./Ft.</b> $1^{1/4_{\rm ell}} = 0.06$ $2^{\rm ell} = 0.16$ $3^{\rm ell} =$	= 0.37 4" = 0.65 2" = 0.50 6" = 1.47			



1

Water Sampling Log

Project NORTHROP-OR	UM ALAN	Project No. <u>NU</u>	100146	4.0410	50000		
Site Location BISTAPA	كنا		đ	2.3-10			
Well No. <u>GM-7</u>	D-2 Replicate No	D	Weath	ier v	OVERCAST 40°		
Sampling Personnel	Sampling Ti	me: Begin 2	2:30	-	End	2:34	
Purge Data		Field Parameters	5				
Measuring Point (describe) Sounded Weil Depth (ft bmp) Depth to Water (ft bmp) Depth to Packer (ft bmp)	10 C 464 39.71 442	Color Odor Appearance		LIESS SONE LOM			
Water Column in Well (ft) Casing Diameter Gallons in Well Gallons Purged Prior to Sampling Pump Intake	$\frac{22}{4(0.65)}$ $\frac{14.30}{14.30}$ $14.30 \times 3$ $= 42.9$	pH (s.u.) Conductivity _( <del>mS/cm)</del> or (µmhos/cm) <sup>1)</sup>	1 5,10 153,6	1V 5,20 122,7	2V 4,69 167,4	3V 4.75 167.5	
Setting (ft bmp) Packer Pressure (psi)		Temperature (°C)	14.0	14,0	13.5	13,5	
Pumping Rate (gpm) Evacuation Method	<u>3WV</u>	DO (mg/L) ORP (mV)	L	Чануца 			
	Dedicated Black	Turbidity (NTU)	5.ares		495.64	<20	
Purge Time Begir Remarks:	EndEnd	Time DTW (ft bmp)					
Parameter TV 5 C. OLN 4-3	Container ( 40 m   V 0 역	No. 			Preservative H Cl	6	
PID Reading	- · · · · · · · · · · · · · · · · · · ·	<u></u>		<b>.</b>			
<b>A</b> <i>C</i> <b>3</b>	/olumes = 0.16 3" = 0.37 2" = 0.26 3-1⁄2" = 0.50	4" = 0.65 6" = 1.47					



	• •	0.0.0			oundwater	<sup>.</sup> Sampling	y Log			
Project Number NYDD Date Sampling Time		RTHROP- 1496.0410. -28-10 UN 41		Site Location Sampled By Recorded By Coded Replice	G 6	5774 <i>Р</i> .96 Ш Г Ш	<u>e n</u> 4	Well ID 6'M-73D		
Instrument Ide						Coriol	ц	ath roba.		
Water Quality M Casing Materia Casing Diamet Sounded Depth Depth to Water	ll er 1 (ft bmp)	р ч <u>41.8</u> 41.8		Screer Pump Purge		(amd	<u>Sed<sup>c</sup>eat</u> 401 3:30		a dau fd Bottom <u>4</u> Finish <u>4</u> ;	
Time	Minutes Elasped	Flow Rate (mUmin)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
3:30		ų~-		8.4	5,06	11/31	232	8.23	~	4183
3:35	***	-		8.7	5,04	113.3	245	7.95	-	
3:40	ç	۰	-							~
3:45	·	Ŧ			·	~				_
3:50	<u> </u>	<b></b> .	, <b>u</b>	89	S.OY	1124	250	8.15		41.83
3155	<b></b> .			8.9	SUDY	1/21	253	8.39		-
4:00	*	· <b>-</b> -	-	8.8	Sidy	1124	253	8.45	-	~
4:05	<b></b>			89	Soy	(121	254	8.45	_	
4:10			-	8.8	5,04	1125	255	8:45		41.8.
4:15		د <b>م.</b> .	•···-	8,2	5,04	1/23	254	8:33	-	•••••
4:20		-		8.4	5.04	1126	254	8,37		~
4:25	r=	-		84	5.04	112.3	255	8.44		
4:30	~	,	~	83	5.04	112,6	255	802	<20	41,83
Collected Samp Parameter 下っこうし	LM 4 - 3		color <u>CO</u> 1 Container 40 M1		Odor	No. 3		Appearance_(	Preservative	
PID Reading										
-  1) Circle one ur	nif type									





				1	oundwater	Sampling	g Log			
Project			6 RUMM		^ ^ _ ^ ^				<u> </u>	7200
Project Numb	er <u>NYDD</u>	496.0410.	00002							73D-2
Date		-28-10		Sampled By Gru						
Sampling Time	e	19an 35	-0	Recorded By		<u>3w</u>				
Weather	<u></u>	1442 35		Coded Replica	Coded Replicate No. N A					
Instrument Ide	ntification									
Water Quality	Meter(s)					Serial		·		·····
Casing Materia	-1	PVC		Purge	Method	ſ	Dedicat	ed bla	dder Li	FS ampl 552
Casing Materia		4		~ -	n Interval (ft bm	р) Тор	532		Bottom F	552
Sounded Dept		552		-	Intake Depth (ft					<b>M</b>
Depth to Wate		43.6		Purge	Time	Start	4:40		Finish 5	5:45
		······································	1	- Field Parameter	r Measurements	s During Purgin	Ig			
_	Minutes	Flow Rate	Volume	Temp	рН	Conductivity (umhos or	ORP	DO	Turbidity	Depth to Water
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	- <del>m0/cm)</del> <sup>1)</sup>	(mV)	(mg/L)	(NTU)	(ft bmp)
440			-	6.8	5,03	113.7	254	11.97		43.62
4:50	-	-	-	6.8	SIND	113.7	248	12,06		
415	-	¢.	-	21	5.52	ROT	274	11:27	·	***
5:00	-	<b>-</b>	~	7.1	5,54	121,0	244	3.15	_	<u> </u>
Sips	~	ł		7,6	5.31	118,5	246	7,40	-	-
5:10	*****	•	_	77	5,15	113.4	253	7,62		39.95
5:15		Ĺ	-	7.8	5,07	112.8	255	7.73	-	
5:20	—			7,4	2,03	112.7	256	7.76		-
5:25	-	<b></b>	-	7,2	5:06	1129	256	7,72	-	39,09
5:30	-			69	5,07	113.4	257	7.75	~	
5:35	-		-	6.9	5,04	113,2	258	7.79		
5:40	<b>t</b>		-	6.8	5,08	113.5	257	7,17	_	
5:45			-	618	5.01	113.2	258	7.79	220	L
					1					
Collected Sam	ple Condition		Color Colu	MUSS	Odor_	NONE		Appearance	ican	
Parameter			Container			No.			Preservative	
TVOC OL	м 4.3		yomin	roa	-	<u> </u>		-	_ma	. ` <u> </u>
			<b>.</b>	<u></u>	-			-	<u> </u>	
PID Reading	······							-		
			-							
Comments										
				<del></del> .						
		· ·····			. <u>.</u>					. <u></u>
•	•									
1) Circle one u	nit type									



Infrastructure, environment, facilities

			Lov	v-Flow Gro	oundwater	<sup>.</sup> Sampling	g Log			
Project Project Numb Date Sampling Tim Weather	er <u>Ny De</u>	RTHROP- 28-10		Site Location Sampled By Recorded By Coded Replic		GW GW NA	KE NY	Well IC	<u>6</u> m^'	74±
Instrument Ide Water Quality			<b>`</b>			Serial	H.			
·	• •	PV	C	_		-	······	ited b	In datas	1 dow flo
Casing Materia Casing Diame		<u>، ، ،</u>	11		Method n Interval (ft bm		94			(2)
Sounded Dept		111	1	~~	Intake Depth (ft					~~ <u></u>
Depth to Wate		38	49	Purge	Time	Start	1.15		Finish 21	D 0 .
				Field Paramete	r Measurements	s During Purgin	g			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or -mS/om) 1)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1:15	-			8.7	6.01	101.1	230	7.63		38.44
1:20			-	916	5.60	103,0	221	761	~~·	
1:25				9.2	5.61	102.5	222	8,21	-	~
1:30				G.J	570	1029	219	8.04	-	-
1:35	·		•	9.6	5/70	102.8	218	8,29	_	
1:40	<b></b>	-		GIS	511	103.3	216	7.99	قم_	38.45
1:45	<b>~</b> .		P	9.6	5.72	103.0	216	8.74	-	
1:50	·			10.0	5:14	103.0	216	2:74	889	-
1:55				10.1	5.73	102.9	215	7.98		
2:00	-	·		98	5.72	1.07.7	215	798	420	3845
2:05	-	-	~	-			•••••••••	_		<u>_</u>
2:10		·:	-	-			<b></b> ,	ł	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
2/15	~		~						<b></b>	
Collected Sam			Color <u>COL</u> Container		Odor_	NO.		Appearance_	Preservative	·
Trocor			<u>40m</u>	Vua	•			-	<u>++ c</u>	4
PID Reading					-			~		<u></u>
Comments _										
-		<u> </u>	<u></u>	<u></u>					<u></u>	·····
-										

1) Circle one unit type



Infrastructure, environment, facilities

NORTHROP-GRUMMAN Project Well ID GM-74D BETHPAGE NU NYDO1496,0410 00002 Site Location Project Number an Sampled By Date へい Recorded By Sampling Time N 156 47 SNOW A Coded Replicate No. Weather Instrument identification Serial # Water Quality Meter(s) Dedicated bladder down σw PV C **Purge Method Casing Materlal** Bottom 305 Top 295 44 Screen Interval (ft bmp) **Casing Diameter** Pump Intake Depth (ft bmp) 30 Sounded Depth (ft bmp) 1100 12:00 Finish 43, Start **Purge Time** Depth to Water (ft bmp) Field Parameter Measurements During Purging Conductivity Depth to ORP DO Turbidity pН Minutes Flow Rate Volume Temp Water (umhos or Time (NTU) (mV) (mg/L) (°C) (s.u.) (mL/min) Purged Elasped **m)** <sup>1)</sup> (ft bmp) 43.19 202 7,8 --5.20 600 ----RAB 211 D. -**.**.... S ----',3 R -10 -~\_\_\_ X -14 ~~ 6 vlo --------214 2  $\boldsymbol{\beta}$ -61 7:10  $2\Lambda$ ----6 43,25 \_ 5  $\mathcal{C}_{i}$ ひむ ----i..... ひる £ ---\_\_\_\_ -----~ <del>,</del> – Ū. 12:40 ·----6.40 225 --------43,19 ----\_\_\_\_\_ СНЬ 2 l 7 ---- $\mathbb{P}$ 25 -22 · ..... \_ 95 289 10.D~ 220 -----2 ..... 10.0 :00 ..... Appearance CLEAR COLORUBS Odor NONE **Collected Sample Condition** No. 3 Preservative Container Palameter Her yomivoa IVOC OLM 4.2 Reading `ents e unit type

Low-Flow Groundwater Sampling Log

## **ARCADIS**

Infrastructure, environment, facilities

### Low-Flow Groundwater Sampling Log

Project	101	SICI HIKOY	-GRUMY	WWW						
Project Numb	er <u>NY00</u>	496.0410	100002	Site Location		STHALE		Well IC	<u> </u>	240-2
Date	01	28/10		Sampled By		5W	<u></u>			
Sampling Tim			~	Recorded By		<u>w</u>		······		
Weather		BUT SN	012	Coded Replic	ate No	J/A .			.,	
Instrument Ide								~~~~~		
Water Quality	Meter(s)					_ Serial				
Casing Materia	al	_PVC		Purge	Method	-	Dedica	ted bla	2 dder	XOW FLOT
Casing Diamet	ter	<u> </u>	•	Scree	n Interval (ft bm	р) Тор	542	<u></u>	Bottom 50	32
Sounded Dept		562			Intake Depth (ft				<u></u> ,	
Depth to Water	r (ft bmp)	- 49,		Purge		Start	····· · · · · ·		Finish	
	r	l	1	Field Paramete	r Measurements	s During Purgin Conductivity	g 	1	1	De-th As
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or m <del>S/om)</del> 1}	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
D:50		•••••		7.0	654	153.9	136	6.64		
10:55			-	7.3	5,33	141.5	147	205	-	49.50
11:00	<del>~~</del>	t	-	7.9	5,24	120.4	156	2.00	·	-
11:05	<b>~</b>	•		8.0	5.24	110.5	162	2,83	•	
11:110		<u> </u>		<u>8.3</u>	5,23	105.4	169	2.81	~	-
Iliis	1	<del>Vers</del> ter,	~	89	5,23	101.4	178	2.65		
(1:20	·		-	8.9	5.16	100.8	178	2.91	-	49,47
11:25	<b></b> -	*	-	9.2	5,15	98.2	185	3.03	<b></b> .	~
11:30	-		~	9.2	SIL	97.	186	3,04		-
11-35				93	5,11	95.7	186	303	_	49.46
1:40	•••••	-	-	9.3	5.09	92,1	194	3.05		~
1:45	~~		-	9.4	5.05	91.9	196	295	3.19	~
il:D	-			9.5	5.08	91,6	A7	3.15	∠20	
						None			Us	.0
offected Samp	ble Condition		Color Colo		Odor			Appearance	-	2
arameter <u>ていりこ の</u>	WY.Z		Container 40 ml	vea		No. 3		_	Preservative	
	· _				•	<del></del>		-		
ID Reading	·					· · · ·				· ·
omments										
						·····				
••••	****	• •								<u> </u>
					· · · · · · · · · · · · · · · · · · ·					

## **ARCADIS**

Infrastructure, environment, facilities

			1 ~		$\nu$	r Samplin	g Log			
Project		North	rop Gin	ummar	n Coop	١				
Project Numb	er NU		6.0410	Site Location	n (6	eth bag	e, xxy	Vyell I	o lam-	7502-
Date			0 0000	2 Sampled By	- 3"	J. oert	lug 1	3. Del	<b>.</b>	
Sampling Tim	ie	1354		Recorded By		J. ocith	nh 18	S. M.S.		
Weather	S	unny 30				j ms/ns.	D Jaken	-		· .
Instrument Id	entification	. V		κ.	=102031	P	ľ			
Water Quality			**********		-	Serial	#	•		
Casing Materi	al	PV	<u>C.</u>	_ Purge	e Method -		Dedi	cated B	laddas	- bumb
Casing Diame	ter	4		Scree	en Interval (ft br	np) Top	5.05		Bottom 5	25
Sounded Depl	th (ft bmp)	525		Pump	o Intake Depth (	ft bmp)			,	-
Depth to Wate	er (ft bmp)	33.3	2	Purge	Time	Star	1240	<del></del>	Finish	345
	T	T		Field Paramete	er Measuremen	ts During Purgin	g		-	· · ·
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or mS/cm) <sup>1}</sup>	ORP	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1240	0	450		11-0	7.99	182.1	-468	10.39		
1245	5			10,5	7.90	180.7	-10.7	7.62	10.78	-
1250	10			9.7	7.87	179.5	27.0	5.94		33,35
12:55	15		*	10.4	7.67	171.4	58.0	5.02	-	-
13:00	20			10.8	7-64	150.2	88.9	5.01	4.43	•
13:05	25		-	11.1	6.73	147.6	962	5.47		33.38
13:10	30		-	11.2_	6-68	1451	-79.1	5.76	4.21	
13:15	25		-	11.5	6.33	142.1	84-8	5.88	· · ·	<b>~_</b> ,
13:20	40	,	<u> </u>	11.8	6-08	140.6	86-6	5.86	2.23	33-42
13.25	45			11.6	5.93	133.1	83.8	6.03		
12:30	50		•	1.2	5.81	138.2	93.9	6.13	2.20	33.45
13:35	55		<b></b>	(1-)	5.75	137-4	103.0	6-07		
13:40	60,		-	11.8	5.69	1369	99.5	5.87	1.61	←
13:45	65			12.1	5.64	1367	101.8	5-95	<b></b>	<u>_`</u>
Collected Samp	ole Condition		Color Color	235	/ Odor	None		Appearance	Clies	<u></u>
Parameter	LM VI, 3		Container	liza		Not In			Preservative	_
Tron 0	· · · · · · · · · · · ·		40m	Voa	• .	0 2	•		Hel	
		-							····	
PID Reading _	<u> </u>			. *						
Comments _										
				·			·	· · · ·		<u> </u>
	· · · · · · · · · · · · · · · · · · ·	<del></del>								
-			···· ·							
1) Circle one un	nit type									

Page of



Page \_\_\_\_\_ of \_\_\_\_

Water Sampling Log

Project Northrop Con	ages NY	Project No	<u>NY00/</u>	1996.0	410,000	02
		10. N/A	. Date Weath	•	5 unny	,20°F
S. P.						
Sampling Personnel J. Q.	Er Hisg Sampling T	ime: Begin <u>1</u> 2	248		End	1252
Purge Data		Field Parameters				
Measuring Point (describe)	Toc "	Color	Color			
Sounded Well Depth (ft bmp)	70	Odor	No		p	
Depth to Water (ft bmp)	39	Appearance	Clea	1, to and	parent-	
Depth to Packer (ft bmp)					l	
Water Column in Well (ft)	31		l	1V	2V	3V
Casing Diameter	4	pH (s.u.)	7.29	7-07-	7.05	7-07
Gallons in Well	60.45	Conductivity		•		
Gallons Purged	(70-33)×0.65	(mS/cm) or				
Prior to Sampling	= 20.15 13=	(µmhos/cm) <sup>1)</sup>	191	196	190	188
Pump Intake						
Setting (ft bmp)	<del>مورد م</del> رکز میروند. این میروند می	Temperature (°C)	14.4	15.6	16.3	16.7
Packer Pressure (psi)			- 1			
Pumping Rate (gpm)		DO (mg/L)		•	-	•
Evacuation Method	<u> </u>	ORP (mV)	B	<b></b>	Amarina .	· · ·
Sampling Method	Redito/35000	Turbidity (NTU)		11.0	8.54	7-23
Purge Time Beg	in 122° End 1248	Time /	220	1230	1238	12.4 8
		DTW (ft bmp)		·	r 	
Remarks:						
	· ····································		······			
Varameter TVOC 0LM 4.3	Container Gom No	No. لار ع			Preservative	9
Caler total Caler dissolved	Metal but	tiy 1			HNO3 HNO3	
_ <del></del>	Me Fait Bott				<u></u>	
Reading	<u> </u>					
Well Casing <b>5t.</b> 1 <sup>1/4</sup> " = 0.06 2"		<u> </u>		· · · · ·	admanda a 1949-tan a sanan a sanan an	
	$= 0.16 \qquad 3'' = 0.37$ $\frac{1}{2}'' = 0.26 \qquad 3 \cdot \frac{1}{2}'' = 0.50$	4" = 0.65 6" = 1.47				
cle one unit type						



Infrastructure, environment, facilities

				v-Flow Gro		r Sampling	g Log			
Project		Nos the	of brown	mmay Cos	хф -					
Project Numb	er <u>NYo</u>			2.Site Location	1 Be	thoase	NY	Welf II	GIM-	78I
Date	01	23/10	1.	Sampled By	J	erome	Oertu	g Som	O GIM.	,
Sampling Tim	e	14:05		Recorded By	<u>S.7</u>	sas				
Weather	544.	200		Coded Replic	ate No					
Instrument Ide	entification									······
Water Quality		Grey V	4- Mite	J	÷	Serial	#			
-			pre		<b></b>		Xoro	and Red	flow from	
Casing Materi Casing Diame		 			Method n Interval (ft br	1p) Top	~		0 /	<u>·}· ·</u>
Sounded Dept		110		-	intake Depth (f		100		Bottom	
Depth to Wate		39.	05	Purge		Start	1 5 1 4	>	Finish /	1:07
				Field Paramete		s During Purgin	 1g			······································
The	Minutes	Flow Rate	Volume	Temp	рН	Conductivity	ORP	DO	Turbidity	Depth to
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NŤU)	Water (ft bmp)
13:20	0	400		14.4	7.21	1567	-34.5	5.72		
13:25	5	<u> </u>		14.3	7.16	168.5	-40.1	5.95		32.26
13:30	10			14.0	7.14	169.3	-40.0	5.P7		
13:35	15			13-8	7,12	170.8		5.83	1.59	39.28
13:40	20			13,7	7.10	171.2	-42.2	5.80		
13:45	25			13,7	7.09	173.2	42.9	5.79	475	39.30
13:50	30			13.7	7.08	173.8	-43.8	5.85		
13:55	35		•	13.4	7.08	173.9	43.5	5.84	1.87	39.29
14:00	40			13.3	7.08	174.9	-44.6	5.92		
14:05	45	V		13:7	7.07	174.9	-44.8	5.88	1.80	39.29
								· · · · · · · · · · · · · · · · · · ·		
Collected Samp	ole Condition		Color <u> </u>	<u>ca</u>	Odor	home	<u> </u>	Appearance	dea	<u> </u>
Parameter VIC OL.	4 47		Container			No.			Preservative	
62/60	M 7.3 Total		40-1 V 200-1	Alastic					HIND	
66/ 6-	0:11.	•	200-1			1			HNUS	
PID Reading					-					
Comments									e	
1) Circle one ur	ilt type									

----



Infrastructure, environment, facilities

# Low-Flow Groundwater Sampling Log

Project	NO	KTHROR-G	KUMAA	<u>N</u>					$\sim$	
Project Numbe		01496.041		Site Location	136	TN PAGE	NY	Well IC	<u> </u>	795
Date		- 22- 110	;	Sampled By		GW	·	······		
Sampling Time				Recorded By		GW				
Weather				Coded Replica	ate No					
Instrument Ide	ntification									
Water Quality			-			Serial	#	•		<u>^</u>
·	•	PVC	 ז			- 1	Dedi Ca	ted Bla	2 ddas /x	owford
Casing Materia					Method n Interval (ft bm		170			30.
Sounded Dept		180	·····	-	Intake Depth (fi		· <u> </u>			
Depth to Water		38-9	***	Purge	• •	Start	31.20 pr	n	Finish	
		<i></i>		– Field Parameter	r Measurement		/		<u> </u>	
	Minutes	Flow Rate	Volume	Temp	рН	Conductivity	ORP	DO	Turbidity	Depth to
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
3:20	·	-	•	11.5	6.31	105.8	275	6.34	<b>—</b>	38,52
3:25		879a	-	11.8	5.85	105.2	279	686	_	·
3:30				12.0	5,40	10416	275	6.64		
3:35		-	-	12.0	5,33	1046	279	7.44		38,53
3:40	*****	-		12.2	5732	105,0	275	7,61		-
3:45	-		-	122	5:32	10418	277	7.57		-
3:50			-	[2]	5.29	105.	278	7.61	<b>—</b>	
3:55		-	-	121	534	1049	277	7,64	-	
4:00	 	~	·—	12,4	5,32	105,0	25	7.86		38137
4:05	1.m.	_	-	12.4	5,39	185,0	278	7.65	420	
4:10	~	-	-		-			******		~
4:15	•~-	, <u> </u>						4 <b></b>		
4:20	~		-	—						
		<u> </u>	l				]			
Collected Sam	ple Condition		Color CDU	221835	Odor_	NONES		Appearance	CLEA	2
Parameter			Container			No.			Preservative	
					-	······				
			· ·			·····				<u> </u>
PID Reading										
Comments										
						<u>.</u>				
-										
1) Circle one u	nit type									



Infrastructure, environment, facilities

#### Low-Flow Groundwater Sampling Log

Project Project Numb	er Nu	ORTHROP	6 R. M. M. M. ODOD	AW Site Location	- Ba	ethbage.	,NY.	Well IC	6m-7	9D
Date		1-72-10		Sampled By		Geol			·····	
Sampling Tim	e			Recorded By		GW				
Weather		•		Coded Replic	ate No.	NA	•			
Instrument Ide						Serial a				
Water Quality	meter(s)					-				·P
Casing Materi	al	Prc	, 	~	Method		Dedice	ited blad	des dou	tow
Casing Diame		- 4			n Interval (ft br		201		Bottom 29	0 .
Sounded Dept			~		Intake Depth (f		1.22	<b></b>	Finish 2:	~ ~ ~
Depth to Wate	r (ft bmp)	<u>_39.50</u>		Purge		Start			Finish $2$ .	
r	I	r	1	Field Paramete	r Measurement	s During Purgin		1	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or <del>m8/cm</del> ) <sup>1}</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
1:55	<b></b>		• <b>•</b> •	11.6	5,64	183.9	240	6.60	•	89.56
2:00				11.4	5119	119,3	250	5.59		
205	: 			107	5.17	1045	255	4,84	-	
2:10			·	10.5	5.17	104.4	2.65	5,19		
215		-		9.8	5.15	104.90	261	5.07		-
2:20		-	-	97	5.19	104.3	26	5.09	~	39.60
2:25		-		9.7	Sil8	104.3	270	5.48	~	e
2:30	-	-		910	517	104.4	266	5,49	-	
7:35	<b>.</b>	·		9.5	5,12	1044	267	552	-	
240	_	<b>1</b> 100	-	95	Sill	104,4	269	5,55	-	-
2:45	-			9.4	5.19	104.6	273	5.49	~	39,62
2:50	į.		-	9H	5.14	104.6	275	5.57		、
2255	-	•••••	-	9.5	5.18	1043	274	5,63	4200	
			<u> </u>	<u> </u>	<u> </u>				[	
Collected Sam	ple Condition		color <u>CDL</u>	02(135	Odor_	NONE		Appearance	CLOWN	
Parameter T <u>voC</u>	oun 4-3		Container Yom	Y OR	_	No.			Preservative	
					-			_		·····
PID Reading	·									
Comments										
-	•									
										· · · · · · · · · · · · · · · · · · ·
1) Circle one u	nit type									

Project Number/Name NY 401 YPE 0110.000 2	2014	96.0410.	20000				ANAL	ANALYSIS / METHOD / SIZE	THOD /	SIZE				
Project Location $\mathcal{B} \leftarrow \mathcal{H}_{h, \mathcal{B}, e_{h}}$	And Contraction	hed h			C	$\sum_{i=1}^{n}$	A.	/						
	10	C. craws.		Y		N. W. O.	A. A.		$\backslash$	$\backslash$				
Sampler(s)/Affiliation C. k llan	1 11.00	1) Der	11.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 C			/	$\backslash$				
Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	1 to a	No. 10 AN	John st	X			/		Remarks		Total
		1/21/10		M							2 10	eek 1.	1 2	M
C-4-152-2	4			171										<u>م</u>
8041-1	4			in'	NN (									12
810W1-2				<b>1</b> 11	m									2
78012072110		2		M								4		Μ
Sample Matrix: L = Liquid,	<u></u>	S = Solid; A	= Air									Total No. of Bottles/ Containers	f Bottles/ Intainers	5
Relinquished by: <u>kome</u> Received by:		00-4-5	Organi Organi	Organization: Organization:	4	CARZ.	5	Date	121	110	Time Time	730	- Seal Intact? Kei No N/A	ntact? o N/A
Relinquished by: Received by:			<ul> <li>Organ</li> <li>Organ</li> </ul>	Organization: Organization:				Date	1	1	Time		- Seal In - Yes N	Seal Intact? es No N/A
Special Instructions/Remarks:		N.	e est	4	A.C.	5	Ke.							
													•	

Project Number/Name Pollo De The Advector Autor and the Project Location De The Autor of the Aut				
22-10 LabilD		ANALYSIS / METHOU / SIZE		
いいそん し、 Matrix Sampled Lab ID	La Contraction		121	
Aatrix Sampled Lab/ID				
Aatrix Sampled Lab/ID	S/ /	1		
ID/Location Matrix sampled Lap IU / 79. N. L. 12.10			/ Remarks	Total
				M
				M
1212) 10 × ×				3
				41
Sample Matrix: L #/Liquid; S = Solid; A = Air			Total No	of Bottles/
$\frac{1}{N}$ Organization: $N$	H(CADES)	Date1_221	10 Time	Seal Intact?
Received by:		Date	Time	
by:		Date Date	/ Time	Seal Intact?
ions/Remarks:	Kervor			

CHAIN-OF-CUSTODY RECORD Page 1 of 1	ANALYSIS / METHOD / SIZE			Stawlary H- Z								Total No. of Bottles/		
Laboratory Task Order No./P.O. No. <u>NAtC</u>		6 5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 - 1 - 1		N.		4					<u> </u>	Organization:	
ARCADIS Laborat	Project Number/Name N Y 0014 26.041 00002 NMC	Project Location Berkage MY Laboratory Columbia Man Mind Services	Je vove Oes W. S. J	Sample ID/Location Matrix Sampled		CM-FT L-H-22-M	Carte -					samola Mastrix: D- Hauld: S = Solid: A =	Relinquished by: <u>Other May</u>	

Project Number/Name NYool495.0440.0002/NGC	· 0440.0002/NC			ANALYSIS / METHOD / SIZE		
Project Location Bethpage NY Laboratory Columbia Muniphen les	17 Heal Control		No. Mars	1. / J.		
roject Manager <u>Carle Jain</u> mulocol/Afritication (オ <b>ain</b> 2011	Biovaai 11. ams/Sond al	-74		no / /		
		200 4.06	/ /	$/$ $/_{2^{-}}$ /		
Sample ID/Location Matrix	Date/Time Sampled Lab ID	1			Remarks	Total
0 7		N			Ctandard	TAT 3
	01/25/10	M			<b>X</b>	2
			<u>a</u>			
			1			
			unitaria de			
Sample Matrix: L = Klauid; S =	Solid; A = Air				Total No. 6	of Bottles/
		8 / ·	A MIC	1.95.		
Relinquished by: Vou a U	Organi Organi	Organization: <u>v</u> Organization:		$\downarrow$ $\downarrow$		
Relinquished by: Received by:	Organ	Organization: // Organization: ///		Date / /	Time	Seal Intact?
Special Instructions/Remarks:	R.	at 1x00	Wellse K	e ad l		

Project Number/Name NYo0/426.0410.00002	01436	.0410.0000	2				ANALYSIS	ANALYSIS / METHOD / SIZE	D / SIZE			
Project Location B eth pag	ES AT	Per Services	5		N. T.						7	
Project Manager Cox lo Dav Giovani	Jan 1	Movani mar Coma	13	- 1170 - 294								
	-7	Date/Time		201	X	$\langle \rangle$		$\mathbf{N}$	$\bigvee$	<b>a</b>	<b>d</b>	Tot-1 Lot-0
Sample ID/Location	Matrix	Sampled	Lab ID	L N						Sta udi	derd TAT	M
- -		0112610		N N								M
										1		
												-
sample Matrix: L = Udquid;	S S	Şolid; A	≡ Air							Tot	Total No. of Bottles/ Containers	6
2	F		Organization:-		VKCYD	2 1 1		Date_01_1	26/10	_ Time _15 Time	20 Seal	Seal Intact?
Received by:			Organization:	zation:				Date /		Time	Seal	Seal Intact?
Received by:			Organi	Organization:				Date/		Time	Yes No	No N/A
Special Instructions/Remarks:			C X	124 (10)	N a	~1.52A	0 (X					
				>								

		Total	M	ก	<u>0</u>						tles/ F		Seal Intact?	Seal Intact? es No N/A	
		Remarks									Total No. of Bottles/			Sea	
ALYSIS / METHOD / SIZE		Re									Tot		Time <u>114</u> Б	Time	
<u>/ SIZE</u>															
ANALYSIS / METHOD / SIZE		Ţ											Date <u>0</u>   Date	Date/ Date/	avalyson
		1											<b>X</b>		ગ્ર
<u> </u>		X											AK C WOI (		Kontal
<u>110 · *00 * 2 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 /</u>	HAND BOAL	>°~~												in: .n:	Melitica M
200	` [ک] بر (م اک			<u>)</u> 0	010							= Air	Organization:- Organization:-	Organization:	et?
<u> </u>	and Wall Heal Ser	Date/Time Sampled	C	012 110	12710							Solid; A =			Solution +
1001496.0	10 Sally	Batrix			10							S S	s Jel		se use
Project Number/Name <u>NYoo 1496. OH 10 · *0 *0 2</u> Project Location <u>Beth bag cv NY</u>	_ <u>⊰</u>	ocation	10	9	2							$L = I_{j}$ quid;	by:	by:	Special Instructions/Remarks:
Project Number/Name <u>N</u> Project Location <u>3 C</u>	Laboratory گری ا Project Manager _ Sampler(s)/Affiliat	Samole (D/I ocation	DIT CID TIO	0-1-1-01	2-17 HOAN							Sample Matrix:	Relinquished by: Received by:	Relinquished by: Received by:	ecial Instructi

Project Number/Name NY001496.0410.000 02	¥0014	06. 0410.00	200				ANALYSIS	ANALYSIS / METHOD / SIZE	) / SIZE				•
Project Location Beth 2		Nurl on V	Server S										· · ·
Project Manager Co Vo	No.	Ŷ	07		14 m		$\bigwedge$	$\searrow$					· .
ampler(s)/Affiliation	0112 De	12 Hong Day	1 Sameral	<u> </u>	D 170	/	/	/					÷.
	(Sary	Date/Time		In ch							Domothe	Totta	
Sample ID/Location	Matrix	Sampled	Lab ID	X N						Lander	NL P	M	
Plane all	<b>ل</b> ــ ا	012210		M								10	T T
IN-ANC		01/22/10		M								N)	
unt-40-t		01/28/10		M								M)	
HN-425		012010		M								M	
-4-42 L		of 23 ho		M								iQ I	
Gu Tan		0112210		NÌ								<u>м</u>	
CUNE - My		01/28/10		M								M	
	الس ا	01/28 10		М						>	、	ΝĴ	· .
		•											•
				 									· · · [
													<u> </u>
													T
													1
												\$**	
Sample Matrix: L = Laquid;	S	= Solid; A	= Air							10	Total No. of Bottles/ Containers	ainers	
by:	Charles D	aller	S Organ Organ	9 Organization:	and c			Date 01 / Date 1	01120	Time <u>77</u>	710	Seal Intact? Yes No N/A	2.4
Relinquished by:			Organ	Organization:				Date		Time		סין	~
Received by:			_ Organ	Organization: —				Date		IIMe		Yes NO N	<b>Z</b>
Special Instructions/Kemarks:		X	1 2 C	L N	0.10	3 K	erul						

	Project Number/Name NYcol436.0410.0002	1		18. N (). C	AN	ANALYSIS / METHOD / SIZE	D / SIZE	ALYSIS / METHOD / SIZE	<b>)</b>	
Project Location Beth bag Laboratory Columbia Audivt	In bage, NY Mulytical Services		1. A	<b>N N</b>	$\sim$					
Project Manager <u>Carlo Sand Filisva</u> Samuler(s)/AffiliationJe 10m e 0 entlong	ें 🖉 👘	Hangail and	22.01	A	19 ei 4, ).	Ń		Ń		
Samila D/I cration Matrix	ed ed		10 CS 25	11 .	2/0-		Ń		Remarks	Total
	01/22/10	1		1				Slaud	Jard TAT	<u>ivo</u>
- 010-210 St	01/22/10	10								M
CAN 21S	a 23/10									X
FW- 03	- 0125he	M								2
CAN- 785	01/52/10	2								IJ
18T 18T	01/57/10	2	5							S
GM-73D L	01/28/10		<u>S</u>					· · · · · ·		Ń
GM- 7302 L	01/23/10	1	N							M
GM- 33B	01/22/10	M								N.
GN-39A L	012310	N							$\overline{\mathbf{A}}$	Ń
Sample Matrix: $(\mathbf{I}) = Liquid; S$	S = Solid; A = Air	٨r							Total No. of Bottles/ Containers	rs 34
Relinquished by: Verance	de Huzo	Organization Organization	on: <u>ARCAPI</u>	STOK		Date 1/	21/10	Time 1	16:00 See	Seal Intact?
Dottooutchood by			<b>.</b>			Date /		Time		Seal Intact?
Received by:	C	Organization	01: 			Date 1	1 1 1		Yes	Yes No N/A
Special Instructions/Remarks:										
	Kebost -	40 2	Meliss a	Kend						

A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A       A     A     A     A	D     Ref     D     Remarks       D     Ref     D     Ref       S     D     Ref     Remarks       S     D     Ref     Ref       S     D     Ref       S     R       S     R       S     R	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ID     Remarks     Remarks       3     1     5       3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	D     Remarks     Remarks       3     1     1       3     1     1       3     1     1       3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1
ID     AC 0     AC 0     AC 0       3     1     1     1       3     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1	ID     Ref     Remarks       3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	ID     Remarks     Remarks       3     1     8       3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1
3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	3     1     54nded     71       3     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1	3     1     1       3     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1
3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	3     1     1       3     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	3     1       3     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1
3     1       3     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1	3     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1	3     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1
Image: Second	I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I	Image: state
Image: Sector	Image: Section of the section of t	I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I       I     I     I
Image: Section sectio	Image: Sector	I     I     I       ···     I     I
Image: Second	Image: Second	·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·     ·     ·       ·     ·     ·     ·
Image: Second	Image: Second	Image: Second
AKCADI     Date 02     10     Time     7.00	Image: Second	Image: Second
AKCADI         Date O2         1         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th0< th="">         0         0         <th< td=""><td>anization: <u>ACADE</u> Date <u>22 /01 / 10 Con</u></td><td>Image: Second state state         Image: Second state state         Image: Second /td></th<></th0<>	anization: <u>ACADE</u> Date <u>22 /01 / 10 Con</u>	Image: Second state state         Image: Second state state         Image: Second
anization:     AK CADI     Date 02     At CaDI	anization: <u>AC401 1 Date 21 / 1 20 Time</u>	Image: Second station         Image: Second station         Image: Second station           Initiation:         AK C4D I         Date 22         120         Image: Second station           Initiation:         AK C4D I         Date 22         120         Image: Second station         Image: Second station           Initiation:         AK C4D I         Date 22         120         Image: Second station
Image: Second	anization: <u>AR 640 ± 1 0 Time</u>	anization:     AK C401     Date 22     12     Ime       anization:     Date 21     1     Ime     Ime       anization:     Date 1     1     Ime
AK CAPI         Date Of         Lot         Time	anization: <u>AC401 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	anization:     AK C4D I     Date 22     I/ I     Ime       anization:     Date 21     Ime     Ime       anization:     Date 1     Ime
anization: <u>AK CADIJ</u> Date <sup>22</sup> [0] 1 [0] Time [7:00]	anization: <u>AC401 / 10</u> Time Iotal No. of E	anization: <u>A&amp; CADIJ</u> Date <sup>22</sup> /01 / 10 Time <u>17:00</u> anization: <u>Date 1 / 10</u> Time <u>17:00</u> anization: Date / 1 Date 1 / Time
anization: <u>AK c40 t J</u> Date <sup>0,2</sup> 101 100 Time 17:00		anization: <u>A&amp; CADTJ</u> Date <u>22  01   10 Time</u> anization: <u>A&amp; CADTJ</u> Date <u>22  01   10 Time</u> anization: Date 1 1 Time
AK CADIJ Date 02 101 110 Time 17:00	AK CADIJ         Date 02 10110         Time         Ime         Ime           Date         1         1         Time         Ime	AK CADI J         Date 2 / 0/ / 10         Time         Ime         Ime         Ime           Date         /         /         Time         Ime
	Date / / Time	Date / / Time Date / / Time

Project Number/Harne Mod Pic 1/16 - 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2	ARCAUS Laboratory Task Order No./	Order No./	P.O. No.		CHAI	Ĭ Ĺ Ċ Ĺ		CHAIN-OF-CUSTODY RECORD	Page 🧹	of
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Project Number/Name/ <u>Wool/976-0979-50202</u>			A	VALYSIS	/ METHC	D / SIZE			· · ·
Optical State     And     And     And       MA-UVALASE     And     And     And       DateMine     And     And     And       Manual     Barnolici     Laboration     And       Manual     And     And     And       Manual     Manual     Manual     Manual       Manual     Manual     Manual <th< td=""><td>S. A. I</td><td></td><td>1</td><td></td><td></td><td>/</td><td></td><td></td><td></td><td></td></th<>	S. A. I		1			/				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Rhill Here		12747 0							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Stone COVANCE		3 (3 / J			$\langle \rangle$	Kar			
titix Janefrine Lab. Remarks In Sampled Jab. Sampled Jab. Remarks In Sampled Jab. Sampled Ja	A.S. / Ax400	~ /	5 27	ଅ 	$\searrow$					
Mature       Action       Mature       Action	Date/Time	20	172	770				Remai	) •	Total
$z^{clothint}$ $0^{7/13}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3}$ $-2^{1/3$	102 Trifteent Land 2010 0390									M.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1. 1.2 Eretoent		N.				· · · ·			$\omega$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		<b>()</b>					;		m
a $0.55$ $3$ $a$	a co to to the set proved and a set		1.1.1.1							M
7 $6_{S12}$ $3_{S18}$ $3_$										
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			С С	****						3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			£							$\tilde{\mathbf{c}}$
Collection       OST       Set       No       No <td>a Go There is a second s</td> <td></td> <td>22</td> <td>****</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ŵ١</td>	a Go There is a second s		22	****						Ŵ١
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	したらまた		<u>()</u>							$(\mathbf{r})$
$\mathcal{T}$ $v_{i} \mathcal{S} \mathcal{F}$ $v_{i} \mathcal{S} \mathcal{S}$ $v_{i} \mathcal{S} $			Ś	4 4						M
$M_{1}$ $M_{2}$			M							Ω'n.
$M_{1}$ $M_{2}$			m	>				Kero er u	eU 19	<u> </u>
$\frac{1}{L} = \frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{L = 1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  S = Solid;  A = Air $ $\frac{1}{l}  quid;  $	$ \infty $	>	<b>(M</b> )		*					N
L = Uquid:     5 = Solid:     A = Air     Total No. of Bottley       by:     L = Uquid:     5 = Solid:     A = Air       by:     Mineral     Date     1       by:     Mineral     Date     1       by:     Date     1     1	00+		×			<b>No-200</b>				*****
L = Ljquid;       S = Solid;       A = Air       Total No. of Bottles/ Containers       Total No. of Bottles/ Seal Inta         by:       ////////////////////////////////////										
With Mathematication:       Date       I       Time       Zoc       Seal Inte         Organization:       Date       I       I       Time       Yes       No         Organization:       Date       I       I       Time       Yes       No         emarks:       Date       I       I       Time       Yes       No	= Ljquid;							Total N	o. of Bottles/ Containers	40
Organization:     Date     /     /     Yes     No       Organization:     Date     /     /     Seal Inta       Organization:     Date     /     /     Yes     No	No 11/20 184	zation: //	11 - 1 - N - N - N - N - N - N - N - N -		D	ate	118		5	ntact?
Organization:     Date     /     /     Ime     Seal Inte       Organization:     Date     /     /     /     Yes     No		zation:			Â	ate — ,	,	Time		Io N/A
Organization: Date / / Time Yes No		zation:			D	ate	and Parage	Time	Seal	ntact?
		zation:				ate	<u>                                      </u>	- Time	Yes 1	

Project Number/Name N/20/48. 64/10 June 2002	2000.011.9.				ANALYSIS / METHOD / SIZE	/ MFTHOD	0 / SI7F		
Project Location $\mathcal{C}^{e_{T}H}$ $\mathcal{C}^{A}\mathcal{C}^{e_{T}}$ $\mathcal{A}^{A}$				/	/	/	/		
Laboratory Colum O.A. Pualytheal	valything seves			1	/	1			  
Project Manager	TNNAUNA				/	1	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
Sampler(s)/Affiliation <u>0*1: A &amp; /0//0015</u>	8. January 15		-39 6		Ż	$\overline{\ }$	* /		
Sample ID/Location Matrix	/ Date/Time Cab ID	Ż	10 K	ex x	12	$\bigvee$		Remarks	Total
	2/1/10 1029				1		00000	T. T. Var. 29.9 E. 2 7	
Tower CEPTNERT	1 1033						2400	Twinger-280 Exx -7	
TOWAR CORNERCENT	8601						275	L. War-28.16	
Tower 102 Futurers	19/1						545	- (1 2 ) 1. ( - 2 ) - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
THERE IS EFFICIT N	141)	<b>*</b>	₹ A	>	Ŷ		2000	L	
		하는 것을 알고 있는 것이다. 1998년 1998년 1999년 1999							
					CA13	00095	NY.	1 dego trubas	
					いたら	N. 0. K	6.4.	THE STRIE LAW ALSO	
					1 N SV 54	438. 200	Kenter main		
					PLAUF	N SAL	Wrund.		
Sample Matrix: L = Liquid; S	= Solid; A = Air	$\hat{\mathbf{C}}$						Total No. of Bottles/	8
Relinquished by: // `*/	1/~019	Organization:	141021		Da	Date 711	0,1,0	Time 2500 Seal	Seal Intact?
Received by:	Org	Organization:			õ	Date/	1		Yes No N/A
Relinquished by:	) Org	Organization:			De	Date/			1 (0)
Received by:	OIO	Organizațion:			Ő	Date/		Time Yes No	No N/A
Special Instructions/Remarks:	the second second								
	weekstein auf the second s								allowed the second

	541001	Project Number/Name <u><i>NY</i>021496.04/0.0000</u> 2	0002				ANALYSI	ANALYSIS / METHOD /	DD / SIZE		[}	
Project Location Be the mark	And L. J.	NY Lel Servi	(e)			×5.		Xa Con				
Project Manager Ca. lo	San	Crie Unani			2 - A (							
Sampler(s)/Affiliation <u>J</u> ,	Ociting	is/	Das	4								
ومتعقده المرالم المقافية	>::+ * *	Date/Time	01.4c.1	20057	4040		Lat			Re	Remarks	Total
FB020210		01/20/20		Μ						Standard	747 4	7
18020210	2			M				1 				M
10627	4			M								M
6M-3302	3			M								Μ
N-10631	7			Μ					-			4
						- 						
	· · · · · · · ·											
											a a an an an Artin an Artin an Artin Ar	
· · · · · · · · · · · · · · · · · · ·												
Sample Matrix: L = Liquid;	iid; S =	Solid; A =	Air							Tot	Total No. of Bottles/ Containers	2 1 2
Relinquished by:	Jerome	Der Hay	Organization:- Organization:-	ation: ation:	ARCA	111		Date 2	12110	Time	<u>30 Sea</u>	Seal Intact?
			1.2.2.0		a ta			Date		Time	Sez	Seal Intact?
Received by:			Organization: -	ation:				Date		Time	Yes	No N/A
Special Instructions/Remarks:	<b>3</b>			Ke on	1 -10	Me	1.52	Rend	1			
· · · · · · · · · · · · · · · · · · ·												

n san shirin an san

Project Location <u>Etheore</u> <u>My</u> Project Location <u>Etheore</u> <u>An II al</u> Laboratory <u>Culonelie</u> <u>An II al</u> Project Manager <u>Carlo Gen Extrane</u> Sampler(S)/Affiliation <u>Ford</u> <u>An II al</u> Sampler(S)/Affiliation <u>Ford</u> <u>An II al</u> Sampler(S)/Affiliation <u>Ford</u> <u>An II al</u> Sampler(S)/Affiliation <u>Ford</u> <u>An II al</u> Sample LDLocation <u>Matrix Sampled</u> <u>Lab ID</u> <u>Ford</u> <u>2310</u> <u>237/0</u> <u>3</u> <u>1</u> <u>1</u> <u>My</u> <u>Ford</u> <u>237/0</u> <u>2</u> <u>3</u> <u>1</u> <u>1</u> <u>My</u> <u>Ford</u> <u>237/0</u> <u>2</u> <u>3</u> <u>1</u> <u>1</u> <u>My</u> <u>Ford</u> <u>237/0</u> <u>2</u> <u>3</u> <u>1</u> <u>1</u> <u>My</u> <u>Ford</u> <u>5</u> <u>5</u> <u>6</u> <u>My</u> <u>Ford</u> <u>3</u> <u>3</u> <u>1</u> <u>1</u> <u>Sample</u> <u>1</u> <u>1</u> <u>Sample</u> <u>1</u> <u>1</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>1</u> <u>1</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	X X X X	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
Part / De H     Antrix     Datefline       Matrix     Datefline     Lab ID $L$ $2/3/10$ $3/2$ $L$ $3/2$ $1/2$ $L$ $1/2$		
Date/Time       Date/Time <thdate th="" time<=""> <thdate th="" time<=""> <thdate th="" time<=""></thdate></thdate></thdate>		
Location Matrix Sampled Lab ID 2 - 2 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -		Demonto
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		7
$\frac{2}{3}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}$		·~~
$\frac{3}{2}$		*6 05W/5W
L = liquid; S = Solid; A = Air		, N
L = liquid; S = Solid; A = Ait		8
L = liquid; A = Air		
L = liquid; A = Air		
L = liquid; S = Solid;		
L = liquid; S = Solid;		
L = Liquid; S = Solid;		
L = liquid; S = Solid;		
L = liquid; S = Solid;		
L = ljiquid; S = Solid;		
L = lgiquid; S = Solid;		
		Total No. of Bottles/
Relinquished by: $\langle r_{M} \mathcal{L} \mathcal{A} \mathcal{K} \rangle$ Organization: $A \mathcal{K} \mathcal{A} \mathcal{N} \mathcal{I} \mathcal{I}$	Date 02 103 110	Time 1630 Seal Intact?
	Date/	Time Vo I
Relinquíshed by:	Date / / /	Seal Inta
Received by:	Date / / /	Time Yes No N/A
Special Instructions/Remarks:		

Anith 1/77 m Send and Anith	A CLARKER ALS	A C C C C C C C C C C C C C C C C C C C	Marker Contraction of the second seco	Em Linge Solution of the second secon	
		Semarks			
Image: contract of the second seco	Image: contract of the second seco	Image: contract of the second seco	Total No. of Bottles/	Total No. of Bottles/       Containers	
MI とオン     Date     1     Seal Int       Date     1     1     Time     Seal Int	一     一     一       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	1		Alton     Date     InterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInterInter <th in<="" inter<th="" td=""></th>	
●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●	Mile         Date         Lime         Seal Inta           Date         1         Time         Yes No           Date         1         Time         Yes No	一         一         一         一         一         一         一         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	Mill     Time     Yes       Mill     Date     2 / 3 / U     Time       Date     1 / 1     Time     Yes       Date     1 / 1     Time     Seal Inta	MI (A1)     Date     1     1       MI (A1)     Date     2     3     1/10       Conta     Date     1     1     1       Date     1     1     1     1	

Project NumberName     MULDICAL       Roject Location     Control       Roject Location     Control       Roject Location     Control       Rome     Rome       Rome     Description       Control     Control       Rome     Description       Rome     Description <th>Image: State of the state o</th> <th></th> <th><b>ARCADIS</b></th> <th></th> <th>Labor</th> <th>atory Task</th> <th>rder</th> <th>./P.O. No</th> <th></th> <th> CHA</th> <th>IN-OF-C</th> <th>CHAIN-OF-CUSTODY RECORD</th> <th>Y RECC</th> <th>Page</th> <th>of</th> <th></th>	Image: State of the state o		<b>ARCADIS</b>		Labor	atory Task	rder	./P.O. No		CHA	IN-OF-C	CHAIN-OF-CUSTODY RECORD	Y RECC	Page	of	
Interflection     Interflection     Interflection     Interflection       Interflection     Interflection     Interfl	Image: Construct of the start of the sta		Project Number/Name	47201	42624	10.00	C			ANALYSI	S/METHO	D / SIZE				
Attr.     District     Attr.     District     Attr.       0     0     0     0     0       1     2     4     4     2       2     4     3     0     3       2     4     3     0     3       3     5     0     0     3       4     4     3     0     3       5     4     4     3     0       6     0     0     0     0       6     0     0     0     0       6     0     0     0     0       6     0     0     0     0       7     0     0     0     0	A CTD Knetter Parado See     A Section       A Cub     Date/Time       Matrix Sampled     Labib       A Cub     3       A Cub     3<		Project Location (20)	<u>11/-34</u>	2	R		1.7	∕~		$\langle \rangle$					
Antrix     Sampled     Left       Matrix     Sampled     Labib       Matrix     Sampled     Labib       Antrix     Antrix     Container       Antrix     Organization:     Date       Antrix     Organization:     Date       Antrix     Date     L       Antrix     Date     L       Antrix     Date     L	Astrix     Date/Time       Matrix     Sampled       L     2.4-10       Z     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3       V     3				···· Σ	43 L		(N 10) (N 10)								
Matrix         Date/file         Matrix         Remarks         Total           America         Jain Direction         America         America         America         Total         America         America <t< td=""><td>Matrix     Date/Time       Matrix     Sampled       L     <math>2 \cdot 4 \cdot 10</math>       Z     <math>3 \cdot 3</math>       N     <math>3 \cdot 4 \cdot 10</math>       N     <math>3 \cdot 4 \cdot 10</math>       N     <math>3 \cdot 4 \cdot 10</math></td><td></td><td></td><td>(7)</td><td></td><td></td><td><math>\backslash</math></td><td>10 1</td><td><math>\bigwedge</math></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Matrix     Date/Time       Matrix     Sampled       L $2 \cdot 4 \cdot 10$ Z $3 \cdot 3$ N $3 \cdot 4 \cdot 10$ N $3 \cdot 4 \cdot 10$ N $3 \cdot 4 \cdot 10$			(7)			$\backslash$	10 1	$\bigwedge$							
Control     Matrix     Remarks     Total       20     2     4     3     4       20     2     4     3     5       20     2     4     3     5       20     4     3     5     5       20     4     3     5     5       20     5     5     5     5       20     5     5     5     5       20     5     5     5     5       20     5     5     5     5       20     5     5     5     5       1     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5     5     5       5     5     5<	Ocation     Matrix     January $2$ $2$ $4$ $3$ $3$ $2$ $3$ $3$ $3$ $3$ $2$ $4$ $3$ $2$ $4$ $3$ $2$ $4$ $3$ $2$ $4$ $3$ $2$ $4$ $3$ $2$ $4$ $3$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$							100								
Red     L     L     L     L     L       Red     N     N     N     N     N	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•	Sample ID/Location	Matrix	Uate/Time Sampled		/	$\sim$	/			/		Remarks		fotal
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\overline{32}$ $\overline{3}$ $\overline{3}$ $\overline{3}$ $\overline{3}$ $\overline{3}$ $\overline{10}$ $\overline{3}$ $\overline{10}$ $\overline{3}$ $\overline{10}$		- CA-200		2-4-16		3						· · . · . (			N
10     1     3       10     1     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1       11     1 <td>n <math>n</math> <td< td=""><td>s i Sig</td><td></td><td></td><td></td><td></td><td>M</td><td></td><td></td><td></td><td></td><td></td><td>· · · ·</td><td></td><td></td><td><math>\mathbb{M}</math></td></td<></td>	n $n$ <td< td=""><td>s i Sig</td><td></td><td></td><td></td><td></td><td>M</td><td></td><td></td><td></td><td></td><td></td><td>· · · ·</td><td></td><td></td><td><math>\mathbb{M}</math></td></td<>	s i Sig					M						· · · ·			$\mathbb{M}$
image: section in the section in t	1 = 1  jauce  Second and a second an	· · · ·		7	7		L.J									3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$I_{ij}$												1			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	I = 1  [goid: S = Solid; A = Air] $  I = 1  [goid: S = Solid; A = Air]$ $  I = 1  [goid: S = Solid; A = Air]$ $  I = 1  [goid: S = Solid; A = Air]$															
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Image: constraint of the second s															
h $h$ </td <td><math>I = I_{I}</math> guid:     <math>S = Solid:</math> <math>A = AI</math> <math>I = I_{I}</math> guid:     <math>S = Solid:</math> <math>A = AI</math></td> <td></td>	$I = I_{I}$ guid: $S = Solid:$ $A = AI$ $I = I_{I}$ guid: $S = Solid:$ $A = AI$															
Image: constraint of the second s	Image: second system     Image: second system     Image: second system $I = 1$ ignits $S = Solids$ : $A = Ar       Dy: \mathcal{D} \in \mathcal{D}     Organization:         Date     I = I $															
I = Iigaid $S = Solid$ ; $A = Air$ $I = Iigaid$ ; $S = Solid$ ; $A = Air$ $I = Iigaid$ ; $S = Solid$ ; $A = Air$ $I = Iigaid$ ; $S = Solid$ ; $A = Air$ $D = Iigaid$ ; $D = Air$ $D = Iigaid$ ; $D = Air$ $D = Iigaid$ ; $D = Air$ $D = Iigaid$ ; $S = Solid$ ; $A = Air$ $D = Iigaid$ ; $S = Solid$ ; $A = Air$ $D = Iigaid$ ; $D = Air$ $D = Iigaid$ $D = Iigai$	Image: second secon	1														
L = Liguid:       5 = Solid:       A = Air         Dir       Containers       Containers         Dir       Date       1 + 1/2         Dire       1 + 1/2       Seal Intact?         Dire       1 + 1/2       Yes No <n td="">         Dire       1 + 1/2       Yes No<n td=""></n></n></n></n></n>	Image: solid in the solid integration in the solid integration integrate integrate integrate integrate integ															÷ .
Image: constraint of the second s	Image: constraint of the second state of the sec															
L = Liguid:       S = Solid:       A = Air       Total No. of Bottles/       Total No. of Bottles/         Dy: $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ Total No. of Bottles/ $\bigcirc$ by: $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ by: $\bigcirc$	$1 = 1 \text{ ightid: } S = \text{Solid; } A = \text{Air}$ $\frac{1}{\text{by:}} \underbrace{\sqrt{B}}{\sqrt{B}} \underbrace{\sqrt{B}} \underbrace{\sqrt{B}}{\sqrt{B}} \underbrace{\sqrt{B}}{\sqrt{B}} \underbrace{\sqrt{B}}{\sqrt{B}} $															
L = Liguid;       S = Solid;       A = Air       Total No. of Bottles/         by: $Organization:$ $Organization:$ $Organization:$ $Organization:$ by: $Organization:$ $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?         by: $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?         by: $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?         by: $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?         by: $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?         ons/Remarks: $Organization:$ $Date$ $I + I$ $Iime$ Seal Intact?	$L = Liguid; S = Solid; A = Airby: \sum_{i=1}^{n} \sum_{i=1}^{n} Organization; Air Correction Date C I EV Correction; Air Correction; Date Date Date Date Date Date Date Date$															
L = Liguid $S = Solid$ ; $A = Air$ Total No. of Bottles/ Containers       Total No. of Bottles/ Containers $T$ $by:$ $D$ $D$ $D$ $D$ $D$ $D$ $by:$ $D$ $D$ $D$ $D$ $D$ $D$ $D$ $by:$ $D$ $D$ $D$ $D$ $D$ $D$ $D$ $D$ $by:$ $D$	$L = Liguid; S = Solid; A = Alt$ by: $\sum \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac$															
I = Liguid:       S = Solid;       A = Air       Total No. of Bottles/ Containers       Total No. of Bottles/ Containers         by:       Organization: $A = C + U + D$ Time       Seal Intact?         by:       Organization: $A = C + U + D$ Time       Seal Intact?         by:       Organization: $A = C + U + D$ Time       Seal Intact?         by:       Organization: $A = C + U + D$ Time       Seal Intact?         by:       Organization: $A = C + U + D$ Time       Seal Intact?         by:       Organization: $A = C + U + D$ Time       Seal Intact?         ons/Remarks: $A = C + D$ $A = C + D$ $A = C + D$ Yes< No       NA	$L = Liguid; S = Solid; A = Airby: \frac{\sqrt{b}}{\sqrt{b}} = \frac{1}{2} \frac{\sqrt{b}}{\sqrt{b}} \frac{1}{\sqrt{b}} \frac$															
<ul> <li>Organization: 小しくのひつ Date Z レビレ Date C ビレー Time C で Seal Intact?</li> <li>Organization: Date レレー Time Seal Intact?</li> <li>Organization: Date レレー Time Seal Intact?</li> <li>Organization: Date レレー Time Yes No NA</li> </ul>	$\sum \frac{1}{\sqrt{b}} \frac{1}{$			S	Solid;									Total No. of Cor	Bottles/ L ntainers L	5
Organization:       Date       /       /       /       Yes       No       N/A         Organization:       Date       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       /       / <td>Organization: Date / /</td> <td></td> <td>Relinauished by:</td> <td></td> <td></td> <td> Organ</td> <td>ization:</td> <td>120</td> <td>CCCC-SV</td> <td></td> <td>Date 2</td> <td>1</td> <td>Time_</td> <td></td> <td>Seal In</td> <td>act?</td>	Organization: Date / /		Relinauished by:			Organ	ization:	120	CCCC-SV		Date 2	1	Time_		Seal In	act?
Organization: Date / / Time Seal Inta Organization: Date / / Time Yes No			Received by:			— Organ	ization: —		e de ser esta en en entre en entre en entre en entre en entre en entre en en entre en en entre en en entre en entre entre br>entre entre		Date		1.1		Yes No	
FRait TO ANTES 200 CC	by:	i Arda	Relinquished by: Received by:			Organ	ization: ization:				Date Date		Time –		Seal In Yes No	act? N/A
	PERSON TO DIVERCE RES	•••	Special Instructions/Remarks		2583			NY NY	N. Car	) 0						
															:	

Project Location <u>Be Aprove</u> NT Laboratory <u>Columbon</u> <u>And Head Ferrice</u> Project Manager <u>Carlo Jon (Towam</u> Sampler(s)/Affiliation J. Oc Han He, Williams					A	NALYSIS /	ANALYSIS / METHOD / SIZE	/ SIZE			
Laboratory Columb An	A.S.				X	/	1	/			
Sampler(s)/Affiliation V. Co.											
	Hay JE. W		har is with	boy.	Ż	Ņ	$\mathcal{N}$				
Sample ID/Location Matrix	Date/Time ix Sampled	Lab ID /	19 2 1 N		L L				/ Rem	Remarks	Total
	6		M						Stadera	1747	M
F8020510			M								M
6-M-340			M								ſ٩.
6M-34D2 4			Μ								17
										an an ann an ann an ann ann ann ann ann	
Sample Matrix: L = Liquid; S	; = Solid; A	= Air							Total	Total No. of Bottles/ Containers	300 yr 14
Relinquished by: Jersone c	Oc May	- Organization:	stion: //	48000	7	De	Date 21	2/15	. Time 17:	2 Sea	Seal Intact?
Received by:		<ul> <li>Organization:</li> </ul>	ation:			Di	Date — / -	<u> </u>	Time	(B)	Yes No N/A
Relinguished by:		Organization:	ation:			Ď	Date/	a sa kang	Time	Sea	Seal Intact?
Received by:		- Organization:	ation:			Ĩ	Date 1	l.	Time	Yes	No N/A
Special Instructions/Remarks:		6		l l	at here	2					
							6				
				and the second secon				a and a construction of the second			

いってい

<b>ARCADIS</b>		Laborat	ory Task	Order No.	/P.O. No.	254	SCH/	VIN-OF-0	CUSTOD	Laboratory Task Order No./P.O. No. The Conder No./P.O. No.	Page	of
Project Number/Name NY001496. 0410.0000 NOtC	Noolu	K. 040.0	000 N	Q.S.			ANALYS	ANALYSIS / METHOD / SIZE	D / SIZE			
Project Location Beth Doge, NJY Laboratory Colambia Awaly Ford Ser	Port of	VH aller	se vices		Cont o							
Sampler(s)/Affiliation		100	2000	on lu	70 20							
Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	10%	~					Remarks	Ś	Total
	<b>سمیہ</b> دور اور	0	1	M						Standar	-1. VI. F.	N
		<b>F</b>										
	· · · · · · · · · · · · · · · · · · ·											
	·											
											· · · · · · · · · · · · · · · · · · ·	
	••• • • •											
	. 14 											
						- 						
					į						-	
Sample Matrix: $O = Liquid;$	S	= Solid; A =	= Air			2			· · · ·	Total No	Total No. of Bottles/ Containers	3
Relinquished by: <u>}</u> Received by:	10rac	Certhrop	Organization: Organization:	ation:	241	2 2 2		Date <u></u>	03 10	Time	Seal Intact?	ntact? o N/A
Relinquished by:			Organization:	ation:				Date /		Time	Seal II	Seal Intact?
Special Instructions/Remarks:			Urganization: –	ation:			s second s	Date	+	- IIme	Yes N	NO N/A
	•	Ż	- tool	2	4- 10 000		e DI					
Delivery Method:	🗌 In Person		Comme	Acommon Carrier_	ar 195	SPECIFY		Lab Courier	ourier	□ Other	YECIFY .	
		~				<del>کر</del> .	•••					AG 05-12/01

Project Number/Name 11/001496.04/0.00002	17001	496.04	10.000	2			ANALYSI	ANALYSIS / METHOD / SIZE	D / SIZE				
Project Location		N. V.				X							na tha Bhailte Airtean
Project Manager	to Sen	[10] S. S. & K. D. L.		$\sum_{i=1}^{n}$	her his								
Sampler(s)/Affiliation	101 100 10 10 10	V. //	4	- 4- CC				$\sum$			Remarks		Total
TBOZO910		1		m						Spantered	E		M
64-360	<b>.</b> ]			M									M
6-11-36.02				M									M
5-M-107	2			M									Μ
E.M-130	4			Μ									3
						ala an Carl Ann							
Sample Matrix: L = Liquid:	uid; S	= Solid; A	= Air							¥.	Total No. of Bottles/ Containers	sottles/ itainers	
Relinquished by: <u>Jc.</u> Received by:	1	Dectling	<ul> <li>Organization:</li> <li>Organization:</li> </ul>	zation: zation:	A R C4021	10121		Date Z/ Date //	110	Time 1.2	4:20	Seal Intact? (es) No N/A	tact? N//
Relinquished by: Received by:			<ul> <li>Organization:</li> <li>Organization:</li> </ul>	zation: zation:				Date // Date //		Time		Seal Intact? Yes No N//	tact? N/A
Special Instructions/Remarks:	:S		Re e.	tort.		Malas	$\mathcal{R}_{\bullet, \mathfrak{s}}$						

Project Number/Name NYPEN/16, 04/2.0002	271150	04100002	20002				ANALYSIS	ANALYSIS / METHOD / SIZE	D / SIZE			×
								/				
Project Location		A	14.									• • •
Project Manager Carlo	Con C	Contract of Contract										
2	· · }	Der Hu	,		1. S.		$\langle \rangle$					
		Date/Time		The state						Domisiko	:	Totol
Sample ID/Location	Matrix S	2 /// //.~		M						Standard Nor	7	M
(-M-217				m								M
			· · · · ·									
	· · · · · · · · · · · ·	1										
Sample Matrix: L = Liquid;	; S = Solid;	A	= Air							Total N	Total No. of Bottles/ Containers	2
Relinquished by: Jerman	1. Oc. 11.		Organization:	ation:	4814	1255		Date /	011 11	- Time 17/3	0	
Received by:			- Organization:	ation:				Date — /		- Time	Yes No	A/N
Relinquished by: Received by:			Organization: Organization:	ation: ation:				Date <u>/</u> Date <u>/</u>		Time	Seal Intact?	tact? N/A
Special Instructions/Remarks:	- - -		2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	to Mer	1-112	Re 31			· · · · · · · · · · · · · · · · · · ·		
			2								· · ·	
						and the second se						

. ..

> ~ ~ ~

8 <u></u> 1				· · · · · · · · · · · · · · · · · · ·		3) -	9 <b></b>	· · · · ·				· · · · · · · · · · · · · · · · · · ·		•		· ·								⊲		A	I		
	of						Total	M	2	3			,		-			-		-		200	Seal Intact?	Yes No N/A	Seal Intact?	Yes No N/A			λ.
	Page	12 1																				Total No. of Bottles/ Containers	Sea	- Yes	Sea	Yes			SPECIEY
	1997 - S						Remarks					•										otal No.	Sil						er
	RECOI										• . • . •												Time	Time	Time	Time		•	Other
	CHAIN-OF-CUSTODY RECORD	ZE											 			2 A							10-	<u>,                                     </u>			20		er
	-cus	ANALYSIS / METHOD / SIZE		$\backslash$									 ·····				- 						12	•	1	T.	onco		Lab Courier
	IN-OF	5 / METH	$\langle \rangle$			$\searrow$	$\searrow$																Date Z	Date —	Date	Date	4. ^ X		□ Lab
	CHA	NALYSI	/																								MDRIC		
						$\langle \rangle$																							k
	o.		C)4	N:		<b>/</b>	1 20/								-								ESS ESS				A MA		ED EN
	o./P.O. N		$\overline{\backslash}$	Z	~~ 30	25	2																AKCADIS				HC.		
	Order No	10 A 10	t 11.1.4	Ko.		140	ž	$\mathbf{N}$	Ň	m													Organization:	ation:-	zation:	Organization: –			on Car
	Laboratory Task Order No./P.O. No.	010		がえ			lah ID															= Air	Organiz	Organization:-	Organization:	Organiz	Rewen		山 Common Carrier_
	aborato	ġ		14 72	567		Date/Time Samnled															<							Þ
91-L00012		HO OF	S S	And	NOLF				) )	7												= Solid;					2		rson
6100		12201/10	1 PAG	Er4	الالت	3.8	Matrix			-7							······					id: s	N/K					+	□ In Person
	SIO	ame NL	Re1	COUNTER ANALYTER SERV	JUN	ion				19			 									L = Liquíd;	X				/Remarks		1.1
	<b>SCA</b>	mber/N	cation	J.	- nager	_ /Affiliat	Cample (D/) ocation	CM-20T	120													1	hed by:	by:	hed by:	by:	tructions		Metho
(	<b>A ARCADIS</b>	Project Number/Name Nurtol/Glo Dul ID. Drov 67	Project Location <u>BETH PALE NU</u>	Laboratory	Project Manager NTD 4- 15 01 FBC 7	Sampler(s)/Affiliation	ame			T T		******										Sample Matrix:	Relinauished by: -	Received by:	Relinquished by:	Received by:	Special Instructions/Remarks:		Delivery Method:
V	3	٦ Ľ	P	Ľ	đ	Sa		L	<u> </u>	<u> </u>	L	<u> </u>	 	<u> </u>			1	1	<u> </u>	_l	L	S <sub>s</sub>	. <u> </u>	, j.,			Ś	I	

1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1	Project Number/Name 2016 01/192 01/20. 0000	1200 000 50	46 0 MO.	1 2 2 A A				ANALYSIS	ANALYSIS / METHOD /	1 SIZE			
ertime filme ab to the second and and and and and and and and and a		1	ht.			lan de la construcción de la con	/						
The filte     Attraction       The filte     Attraction       The filte     The filte	roject Manager <u>Carl</u>		r Cievera		A SE	× A	$\backslash$						
Increation     Matrix     Date Time $\mathbb{R}^3$ $\mathbb{R}$ emarks $7/0$ $\frac{1}{2}$ <th>ampler(s)/Affiliation <u></u></th> <th>6</th> <th></th> <th></th> <th></th> <th>A.</th> <th></th> <th><math>\langle \rangle</math></th> <th></th> <th></th> <th></th> <th></th> <th></th>	ampler(s)/Affiliation <u></u>	6				A.		$\langle \rangle$					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Sample ID/Location	Matrix		Lab ID	e e e su compositore de la compositore			$\langle \rangle$		$\overline{\ }$		Remarks	Tot
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	141				(×)						Mand		M
$D_2$ $E$ $Z$ $Z$ $Z$ $Z$ $TO_2$ $L$ $Z$ $Z$ $Z$ $Z$ $TO_2$ $Z$ $Z$ $Z$ $Z$ $Z$ $TO_2$ $Z$ $Z$ $Z$ $Z$ $Z$ $T$ $Z$	5M-37D				M								M
i $i$	F.M-3702				M								M
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	26021510				M								M
$\left  \begin{array}{c c c c c c c c c c c c c c c c c c c $													
Image: constraint of the second s													
Image: constraint of the second state of the second st													
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$													
Image: constraint of the state of the													
Image: constraint of the state of the													
Image: constraint of the state of the													
L = Liquid;       S = Solid;       A = Air       Total No. of Col         L = Liquid;       S = Solid;       A = Air       Total No. of Col         by: $\sqrt{-\sqrt{n}}$ Organization: $\sqrt{-\sqrt{n}}$ $\sqrt{-\sqrt{n}}$ by: $\sqrt{-\sqrt{n}}$ Organization: $\sqrt{-\sqrt{n}}$ $\sqrt{-\sqrt{n}}$ by: $\sqrt{-\sqrt{n}}$ $\sqrt{-\sqrt{n}}$ $\sqrt{-\sqrt{n}$													
L = Liquid;     S = Solid;     A = Ai       Image: Constraint of the second of the s													
L = Liquid;       S = Solid;       A = Air       Total No. of Correction:         by: $J \in \mathcal{O} \in \mathcal{N}_{L_{p-1}}^{L_{p-1}}$ Organization: $\widehat{A} \in \mathcal{A} \cap \mathcal{A}$ $\widehat{A} = \widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $J \in \mathcal{O} \cap \widehat{A} \cap \widehat{A}$ Organization: $\widehat{A} \in \mathcal{A} \cap \mathcal{A}$ $\widehat{D}$ ate $\widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $J \in \mathcal{O} \cap \widehat{A} \cap \widehat{A}$ Organization: $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $\bigcup \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $\bigcup \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $\bigcap \cap \widehat{A}  $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ $\widehat{A} \cap \widehat{A} \cap \widehat{A} \cap \widehat{A}$ by: $\bigcap \cap \widehat{A}  $\widehat{A} \cap \widehat{A} \cap $													
L = Liquid:S = Solid:A = AirTotal No. of Corby: $\sqrt{-3c_{obs}}$ Organization: $4\hat{R}(A_{OL})$ Date $2\sqrt{1/C}$ $1/C$ Timeby: $\sqrt{-3c_{obs}}$ Organization: $4\hat{R}(A_{OL})$ Date $2\sqrt{1/C}$ $1/C$ $1/B_{OO}$ by: $0$ Organization: $0$ $0$ $0$ $0$ $0$ $0$ by: $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ ons/Remarks: $0$ $0$ $0$ $0$ $0$ $0$ $0$													
Me     Organization:     ARcAut     Date     2     1/ C     Time       Organization:     Organization:     Date     1     1     Ime       Organization:     Date     1     1     1     Ime	=	S	Solid; A									fotal No. of Bo Conti	
Organization:     Date     Ime       Organization:     Date     I       Organization:     Date     I		C. H. C.	Or the	- Organiz		181102			21	11-		200	Seal Intact
Organization:         Date         I         Ime           Organization:         Date         I         I         Ime	seceived by:		an an ann an ann an ann an an an an an a	- Organiz	stion:				)ate/_	<u>an an an an an an an</u>	Time —		íes∕No N
$Z \to A = I + M + I + M + M$	Relinquished by: Received by:			- Organiz - Organiz	ation:				)ate/ )ate/	$\frac{1}{1}$	Time		Seal Intact res No N
	oecial Instructions/Remarks.				$\mathcal{S}$		Ň		1 24 4				

Doe 2     ANALYSIS / METHOD / SIZE       ANALYSIS / METHOD / SIZE     ANALYSIS / METHOD / SIZE       Analysis / Analysi	ANALYSIS / METHOD / SIZE       Analysis / Method       Analys	ANALYSIS / METHOD / SIZE ANALYSIS / METHOD / SIZE ANALYSIS / METHOD / SIZE Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remarks Remark
lab lb 3 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Image: Solution of the soluti
lab lD X S X Y Z Y A Y Z Y A Y Z Y A Y A Y A Y Z Y A Y A Y A Y Z Y A Y A Y A Y A Y A Y A Y A Y A Y A Y	Image: Solution of the solut	Leb ID     72     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74     74
lab 10 From Art Remarks	Lab ID     Line     Title     Remarks     Title       3     3     1     1     1       3     3     1     1     1       3     1     1     1     1       3     1     1     1     1       3     1     1     1     1       3     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1	Lab ID     And
P     Remarks       Remarks     Remarks	$\mathcal{E}$ $\mathcal{E}$ $\mathcal{E}$ $\mathcal{E}$ $\mathcal{E}$ $\mathcal{Z}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{Z}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{F}$ $\mathcal{Z}$ $\mathcal{E}$ $\mathcal{E}$ $\mathcal{E}$ $\mathcal{F}$ $\mathcal{Z}$ $\mathcal{E}$	1     1     1     1     1     1       2     3     1     1     1     1       3     1     1     1     1     1       3     1     1     1     1     1       3     1     1     1     1     1       3     1     1     1     1     1       3     1     1     1     1     1       3     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1
	3     1     1     1     1     1       3     3     1     1     1     1     1       3     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1     1     1     1     1     1	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
	3     1     1     1     1       3     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1	3     1     1     1       3     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1
3       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	3     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1	$\begin{bmatrix} 3 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$
Image: Constrained state       Image: Constate       Image: Constrained state	i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i     i       i     i     i     i     i     i    i     i     <	Image: state
Total No. of Bottlact	Image: Section in the section in t	Image: Second
Image: 100 mining state	mization:     A & C & C C     Seal Inte	Image: Second
Image: Sector	Image: Second	A     Date     1     A       Intartion:     A     Inta     A       Intartion:     Date     1     Inte       Intation:     Date     1     A
Containers         Containers	Image: Second	An and a station:     A and a station:     Date 2 1 / J and a station:     Seal Intainers       Inzation:     A f A a T     Date 2 1 / J and a station:     Seal Intainers       Inzation:     A f C A a T     Date 2 1 / J and a station:     Seal Intainers       Inzation:     A f C A a T     Date 2 1 / J and a station:     Seal Intainers       Inzation:     A f C A a T     Date 2 1 / J and a station:     Seal Intainers       Inzation:     A f C A a T     Date 1 / J and a station:     Time       Inzation:     A f C A a T     Date 1 / J and a station     Seal Intainers       Inzation:     A f C A a T     Date 1 / J and a station     Yes No
Total No. of Bottles/       Total No. of Bottles/	nization:     1     1     1       nization:     1     1     1	nization:     A CAPT     Date     2 / / / U     Seal Inta       nization:     A CAPT     Date     2 / / / U     Seal Inta       nization:     Date     1     Time     Seal Inta       nization:     Date     1     Time     Seal Inta
Total No. of Bottles/       Total No. of Bottles/	nization:     1     1     1       nization:     1     1     1       nization:     1     1     1	mization:     48.22     1.2     1.0     0.0     0.0       mization:     48.22
Total No. of Bottles/         Total No. of Bottles/	Image: Seal Integration:     Image: Seal Integration:     Seal Integration:	nization: <u>AFAAT</u> Date <u>21/6110</u> Time <u>18:000000000000000000000000000000000000</u>
Total No. of Bottles/     Total No. of Bottles/		nization: <u>ARCAUT</u> nization: <u>ARCAUT</u> nization: <u>ARCAUT</u> Date <u>2/16/10</u> Time <u>18°C</u> Seal Inta New No New New New New New New New New New New
Image: Constraint of the state of the s	nization: 4 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nization:     ACAUT     Date     2     1     10. of Bottles/ Containers     5       nization:     ACAUT     Date     2     1     1     1       nization:     ACAUT     Date     1     1     1     1       nization:     ACAUT     Date     1     1     1     1       nization:     ACAUT     Date     1     1     1     1       nization:     Date     1     1     1     1       nization:     Date     1     1     1       nization:     Date     1     1     1
Total No. of Bottles/	nization: 4 & CAPES Date 2 / / Date 1 / Time / Seal Inta	nization: 16 CAUT Date 21/2 Time 18:00 Seal Intaniation: 16 Containers
Total No. of Bottles/	nization: $A \not{k} C A \not{e} T \not{f}$ Date $2 \not{l} \not{e} \not{l} \not{u}$ Time $L \not{B}^2 \mathcal{O}$ Seal Inta	nization:     A & X     Date     Z & J     Z     Zontainers     Z       nization:     A & X     Date     Z & J     Z     Zeal Inta       nization:     A & Z     Date     Z & J     Z     Zeal Inta       nization:     Date     Z     Z     Zeal Inta
Total No. of Bottles/ Containers	Total No. of Bottles/ Containers nization: イトイルズン Date 2 / / / Time / タンロー Seal Inta Date / / Time / メロー / YeA No	Tization:       A & A & Z       Date       Z / / / D       Time       A & C & C & Seal Intanters         nization:       A & C & Z       Date       / / / D       Time       A & C & C & Seal Intanters       Seal Intanters         nization:       Date       / / / D       Time       A & C & C & Seal Intanters       Seal Intanters         nization:       Date       / / / D       Time       A & C & Seal Intanters       Seal Intanters         nization:       Date       / / / D       Date       / / / D       Yes       No         nization:       Date       / / / D       Date       / / / D       Yes       Yes
	<u> イネイネロエン</u> Date <u>フィノム Time <b>ノメ</b>シロの</u> Seal Inta Date <u>1</u> 11 Time <u>1</u> メロロ Xeol No	A.R.A.O.T.S.       Date       2       1/6       1/0       Seal Inta         Date       1       1       1       1       Yes. No         Date       1       1       1       Time       Yes. No         Date       1       1       1       Time       Seal Inta         Date       1       1       Time       Yes. No         Table       1       1       Time       Yes. No         Table       1       1       Yes. No       Yes. No
		er en
Date     I     Ime       Seal Inte     Seal Inte       Date     I	Date / / Jime Seal International Action of the Action of t	s to set the set of the full set of the set
Date     I     I     Ime       Seal Inta     Seal Inta       Date     I         Yes <no< td=""></no<>	Date / / Time Seal International Action of the Action of t	

Project Number/Name Kellpres West D. M. et	beer Nexe	1.14.61			1	ANALYSIS	ANALYSIS / METHOD / SIZE	/ SIZE		. <sup>.</sup> .	
Project Location Bellow					X						
Project Manager	me Derth			201							
Sample ID/Location	Date/Time Matrix Sampled	me ed Lab ID		1 In Cr					Remarks	H H	Total
	N		(1)								M
M-37D	L 2/15/10	<b>.</b>	M							1.1	M
GM-3702	2117/10	14	M							1	m
Sample Matrix: L = Liquid;	S = Solid;	A = Air						• . •	Total No. of Bottles/ Containers	Bottles/ ntainers	
Relinquished by: Jeliant	e Oct His	Organization:	ation:	<u>ARCADE</u> HUM	~		Date 2 / 1	0119	Time 18:00	Seal Intact?	
Relinquished by: Received by:		Organization: Organization:	ation:				Date/		Time	Yes No N//	NA NA
Special Instructions/Remarks:											$\left  \right $

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Project Location Bc Mp	2027						AINAL	1010 / 141-	ANALYSIS / METHOD / SIZE	175			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	I about and a subscript of		11.1				X,		$\sum_{i=1}^{n}$	L.				
Letter Ce His Matrix Sampled Lab D 2 2/17/10 3 2 2/17/10 3 2 $3$ $4$ $4$ $2$ $7$ $4$ $4$ $2$ $7$ $4$ $4$ $2$ $7$ $4$ $4$ $2$ $7$ $4$ $4$ $2$ $4$ $4$ $2$ $1$ $2$ $1$ $2$ $4$ $4$ $4$ $2$ $1$ $2$ $1$ $2$ $1$ $2$ $1$ $2$ $1$ $2$ $1$ $2$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$	N (1997)	C 6		5	X	$\sum_{i_1}$					$\bigvee$	Ń		
Detertine     Detertine     Detertine $VD$ $L$ $L$ $VD$ $L$ $L$ $VD$ $L$ $L$ $D$ $L$ $D$		Jerry	Oer H			>>.	/	X						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Matrix	Date/Time Sampled		°×	20.05			$\searrow$	Ń		Remarks	\$	Total
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		<b>,</b>	2/17/10									Studad	747	ſ٩
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	REPORITIO				M									Μ
D $\mathcal{P}^{*}$ $\mathcal{K}_{W}\mathcal{F}$ $\mathcal{F}_{W}\mathcal{F}$ $\mathcal{F}_{W}\mathcal{F}$ 1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1	C/1-W-2	×			M									Μ
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	6-11-100	4			9¥	1×	123	280		J.	R 3-	205 500		6
Image: state of the state														
Image: constraint of the second state of the sec														
I = Iiquid; $S = Solid;$ $A = Air$ $D = Iiquid;$ $S = Solid;$ $A = Air$ $D = Iiquid;$ $S = Solid;$ $A = Air$														
Image: constraint of the second s														
Image: constraint of the state of the s														
Image: constraint of the state of the st														
Image: constraint of the second s														
I = Liquid;     S = Solid;     A = Air       by: $\sqrt{e_{D}}$ $Organization:$ $\sqrt{AD2}$ by: $\sqrt{e_{D}}$ $Organization:$ $\sqrt{AD2}$ by: $\sqrt{e_{D}}$ $Organization:$ $\sqrt{AD2}$ by: $\sqrt{e_{D}}$ $Organization:$ $\sqrt{AD2}$ by: $\sqrt{e_{D}}$ $\sqrt{AD2}$ $Date$ $Dy:$ $Organization:$ $\sqrt{AD2}$ $\sqrt{AD2}$														
I = Liquid;     S = Solid;     A = Air       by: $\sqrt{e_{A}}$ $\sqrt{e_{A}}$ organization: $\sqrt{AD25}$ Date $\frac{2}{10}$ by: $\sqrt{e_{A}}$ $\sqrt{AD25}$ Date $\frac{2}{10}$ by: $\sqrt{e_{A}}$ $$														
L = Liquid;     S = Solid;     A = Air       by: $\sqrt{e} \rightarrow e^{-\frac{1}{2}\sqrt{e}}$ Organization: $\frac{AKCADJ f}{ADJ f}$ Date $\frac{Z}{D} \frac{D}{D} \frac{D}{D}$ by: $\sqrt{e} \rightarrow e^{-\frac{1}{2}\sqrt{e}}$ Organization: $\frac{AKCADJ f}{D}$ Date $\frac{Z}{D} \frac{D}{D} \frac{D}{D}$ by: $\frac{1}{2}\sqrt{e}$ Organization: $\frac{1}{2}\sqrt{e}$ $\frac{1}{2}\sqrt{e}$														
$L = Liquid; S = Solid; A = Air$ $by: \frac{\sqrt{2-p_{e}}}{\sqrt{2-p_{e}}} Crganization: \frac{\sqrt{2}\sqrt{2}}{\sqrt{2}} Date \frac{2}{1}\frac{1}{1}\frac{1}{1}$ $by: \frac{\sqrt{2-p_{e}}}{\sqrt{2}} Crganization: \frac{\sqrt{2}\sqrt{2}}{\sqrt{2}} Date \frac{1}{1}\frac{1}{1}$														
by: <u>Jemiser Device</u> Organization: <u>AKCAD3 5</u> Date <u>2 17 1/</u> Organization: <u>Date 1 1</u> by: Date 1 1	-	S	Solid;	1								Total N	Total No. of Bottles/ Containers	4
by:	Se		Sur Mese	Organ	ization:		560			5	1/0	Time 14/00	Seal	0
by:Organization:	Received by:			— Urgan	Ization:				- Date			Ime	Les No	N/A
Organization:	Relinquished by: Received by:			Organ Organ	ization: — ization: —				Date			Time Time	Seal Yes 1	Seal Intact? 'es No N/A
ons/Remarks:	Special Instructions/Remarks:				<b>.</b>			1	C					
Kert to Achiva Acad							A.		i V V					
Delivery Method: $\Box$ In Person $\Box$ &ommon Carrier $E < E_{\mathcal{X}}$ $\Box$		In Perc	<u>د</u>		. N C.	- Mar 2 - A								

				M		· · · · ·	•		•			9	ntact?	0 N/A	ntact? o N/A		
<b>)</b>												of Bottles/ Containers	Seal Intact?	- Yes No	- Seal Intact? - Yes No N//		
ALYSIS / METHOD / SIZE			/ Kemarks									Total No. o G	Time 4'30	Time	Time Time		
/ SIZE													24110				
ANALYSIS / METHOD / SIZE													Date 7 /	Date/	Date /		
ANALYSIS																	
													513				
	All and a state	Ser											READES				
		C/s	~	) M							8		Organization:	Organization:	Organization: Organization:		
0.000			Lab ID									A = Air	- Ordan	Organ	- Orgar Orgar		
96.041	AW ALT	Date/Time	Sampled 7.74.10	2 7 7								= Solid; A					
y coly	Le cre		Matrix									s	M 00				
Project Number/Name Ny 001996.0410.0002	Project Location BETHERE NY Laboratory COLUMERT AW ANTER Project Manager MIKE WOLFERT		Sample ID/Location	62-240								Sample Matrix: L = Uguid;		Received by:	Relinquished by:	Special Instructions/Remarks:	

. f



Page	of	

	Water	Sampling Log				
Project NORTHROP-GRUM MAW	•	Project No. <u>NY</u>	001496	.0410,0	0002	
Site Location BETHPAGE A			Date	4-20-1		·
Well No. GM-200	Replicate N	lo	Weath	er		
Sampling Personnel	Sampling T	ime: Begin <u>l´</u>	2:25		End	••••
Purge Data		Field Parameters				
Measuring Point (describe)	DC	Color	COLO	euss		
Sounded Well Depth (ft bmp)	226	Odor	NON	দ্র		
Depth to Water (ft bmp)	33,67	Appearance	CU	EAR		
Depth to Packer (ft bmp)	215					
Water Column in Well (ft)				<u>    1v                                </u>	2V	3V <sup>-</sup>
Casing Diameter	(0.65)	pH (s.u.)	5.96	6.95	6.95	6.95
Gallons in Well	7.15	Conductivity				
Gallons Purged	χ 3	(mS/cm) or				
Prior to Sampling	21,45	(µmhos/cm) <sup>1)</sup>	1417.	218	157.	117.6
Pump Intake					100	15.5
Setting (ft bmp)		Temperature (°C)	14:1	15.6	15,9	1313
Packer Pressure (psi)	30					
Pumping Rate (gpm)		DO (mg/L)	<u>, , , , , , , , , , , , , , , , , , , </u>			
Evacuation Method		ORP (mV)				07
Sampling Method		Turbidity (NTU)				.82
Purge Time Begin <u>12:42</u>	End	Time	<u></u>			
		DTW (ft bmp)				
Remarks: <u>56</u>	ALLOW PAT	<u>as II</u>	<u>.                                    </u>			
Parameter	Container	No.			Preservativ	/e
PID Reading	· · · · · · · · · · · · · · · · · · ·			-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Well Casing Volumes           Gal./Ft. $1^{1/4_{u}} = 0.06$ $2^{u} = 0.16$ $1^{1/2_{u}} = 0.09$ $2^{-1/2_{u}} = 0.26$	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47				

1) Circle one unit type

### ARCADIS Water Sampling Log

Project NORTHROP- GRUMMAN Project No. NYO	01496.0410.0		Page 4-19-1	of	
Site Location		Date	7-1-1		
Site/Well No. <u>GM-21</u> Replicate No					
Weather Sampling Ti	me: Begin <u>4</u> ;	End			
Evacuation Data	Field Parameter	s I	I IV	2V	3V
TOC	Color	COLORUBS	Coursess		
	Odor	NONK			
	Appearance	CLIEAN	CLOAR		
Depth to Water (ft bmp)	1.0000000000	<u></u>			
		1	1V	2V	ЗV
Water Column in Well (ft)		5.44	6.35	7,52	7.45
	pH (s.u.) Conductivity	<u></u>			
Gallons in Well	-			-	
Gallons Pumped/Bailed	(mS/cm) (µmhos/cm)	au l	92.3	61.5	914
	(µmnos/cm)				1.00
Sample Pump Intake Setting (ft bmp)	Temperature (°C	) <u>10,5</u>	10,5	10.9	10,9
Packer Pressure (psi) 90 PSL	- -				
Pumping Rate (gpm)	DO (mg/L)				
• -	Turbidity (NTU)				Z0
Evacuation Method	Time				
Sampling Method Begin S:00 End	DTW (ft bmp)	•			
Purge Time Begin End			<u></u>		
Remarks: <u>5 6AUGU PATELS</u>	11				
3	· · · · · · · · · · · · · · · · · · ·				
Constituents Sampled: <u>See COC</u> .Sampli	ing Personnel:				
Well Casing Volumes					
Gal./Ft. $1^{1/4} = 0.06$ $2^* = 0.16$ $3^* = 0.37$	$4^* = 0.65$				
1 <sup>1/2</sup> = 0.092-½* = 0.263-½* = 0.50bmpbelow measuring pointmS/cmMilisiemens per centime°CDegrees Celsiuss.u.Standard unitsftfeetNTUNephelometric TurbiditygpmGallons per minuteN/ANot Applicablemg/LMiligrams per literCOCChain of Custody	umhos/cm	Volatile Organic Micromhos per c			

,

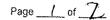
**ARCADIS** Infrastructure, environment, facilities

				-Flow Gro		Sampling	Log			
Project	NO	RTHR& -6 36.0410.000 -19-10	RUMMAN	) 00-2						21
Project Numbe	r NYODH	16.0410.000	02	Site Location	Re	THPAGE	NY	Well ID	<u> </u>	-21 D
Date	<u>'</u> 4	-19-10		Sampled By		G.W. G.W.	· · · · · · · · · · · ·			. <u></u>
Sampling Time				Recorded By			·			
Weather				Coded Replica						
Instrument Ide	rtification		~ ~	(a) line	.)	•				
Water Quality I		VSE S	SU OA	(0)/con KTOW 300	0.4 KRW A	(e∕W Serial #	ŧ			
Tratel woalty i						Dam)				
Casing Materia	•		······································		Method				2040.00	
Casing Diamet	•				Interval (ft bm ntake Depth (fi				3ottom	<u>, ,</u>
Sounded Depti Depth tố Water		38	.09	– Purge		Start	·	·····		
Depth to Water	(it milt)			– Field Parameter						
				1		Conductivity	ORP	DO	Turbidity	Depth to
Time	Minutes Elasped	Flow Rate (m∐min)	Volume Purged	Temp (°C)	pH (s.u.)	(umho3)or mS/cm) <sup>11</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
335				18.8122	7.69	105,1	239	7.02	, i	38,09
3:40		,	-	11.4	7.49	112.3	240	7.05		
3:45		:	i .	10.7	6.90	89.9	254	6.26		
3:50				197	6,36	77,6	274	6.06	: . <sup>:</sup>	38.09
3:55		-		10.7	6.13	76.8	284	5.80		
4:00		:	· · · · · · · · · · · · · · · · · · ·	10,6	6,68	769	285	5,88	: : :	
4:05				10.8	5.93	775	296	6.09		
4:10		:		10,7	5,93	77,6	297	6.10		
4:15	,			10,8	5.94	77,3	30/	6.09	, 	38,15
4:20				10,9	5.75	77,3	305	6,24		
4:25				10.8	5,73	77/	305	6,57	- - -	
4:30				10.9	5166	77,3	306	6.44		38,16
4.35		ε		109	5.67	77,3	306	6.45	<20	
							,		· · ·	
Collected Sam	ple Condition	X	Color Co	LORIEZS	Odor_	NONF		Appearance_(	CIGNA	
Parameter			Container			No.			Preservative	
		• ·						- :: ·		
, 3		•••						. · ·		-
PID Reading										
Comments								<u></u>		
•	•	•				······				
	•		• •							
1) Circle one t	mithmo									

Page

\_\_\_ of

CATECI #NICLIWOLFERT/Technical Forma 2000/Jownowsampforma.sta - Sheet1





Project	Ms	rthnsp	ariemnas	- 02-2	<u></u>					
Project Numb	er NPUSIP	96.0410.	June 2	Site Location	Be	thpage, ,	-14	Welt I	0 <u>GM-3</u>	352
Date				Sampled By		any Billic	uns /	Sunny X.		
Sampling Time	e,	108		Recorded By		/Sumj	Xu	)		
Weather	Clien	olj tbj	2	Coded Replic		, ISAV2	7			
Instrument Ide	entification	-			;					
Water Quality	Meter(s)	<u> </u>	e capib	ration si	leet.	Serial				
Casing Materia	al			Purge	Method		non the	<i>d</i> bdicetbe	l bladdag	e ound.
Casing Diamet	ter	<u> </u>		Scree	n Interval (ft br	np) Toj	p		Bottom	
Sounded Depti	h (ft bmp)			Pump	Intake Depth (	ft bmp)				
Depth to Water	r (ft bmp)		**	Purge	Time	Star	t	43_	Finish /	443
		~		Field Paramete	r Measuremen	ts During Purgi	ng			•
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos)or _mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
13-43.	0	fr		11.7	7.71	88.1	134	9.11.	1	
13:48	<u> </u>			12.0	8.04	104.7	1947 1947 5 X.	6.11		
10:53	10			12.1	7.79	102.4.		6.08.		
13:58	15			12.2	7.32.	85.4	199.	5.76.		43.95
14-03	مر			12.2	7.21	97.1	202	573		
14:08	X			12.3	6.95	95.8	207	5.67		43.95
14:13	30			12.4	6,85	94.4	212	5.81.		
14:18	35			12.4	683	93.1	213.	5.78		43.%
14:23	. Ye			12.5	6.73	91.7	215	F.78	1	
14:28	<u>45</u>			12.5	6.85.	92.5	215.	6.09.		43.90
14733	ro			12.6	6.76.	95.0.	207	5.80		
14738	72			12.6	7.21.	1147.	165	5,83		44.00
14:43	6-	¥/		12.7	8,40	145.2	110	5.80		
14:48	65	Ψ		r2.7	8.70.	131.3	88	5.82		44 <u>w</u>
Collected Sampl	e Condition		Color Colon	lers	Odor_	ne		Appearance	cler.	
Parameter TCLWC	<u> </u>		Container 40 M	WA		No. 3			Preservative HC1	
PID Reading								· .		
Comments										
						····				
								· <u> </u>		
							·			
1) Circle one unit	t type							····		

**GRARCADIS** Infrastructure, environment, facilities

			Low	-Flow Gro	oundwate	r Sampling	Log			
Project Project Numbe Date Sampling Time Weather	Hor	throp G.	rumhan	04-2						
Project	114	1 110			Bart	hpage, N	7	W-1110	Gab 3	302
Project Numbe	r N   W147	<u>6.0410.55</u>	<u> </u>	Site Location	$\frac{\partial e^{i}}{\partial r}$	pige, N	H-T-C	WentD	(X// ~ 3	<u>302 ·</u>
Date	4-	16-10	<del></del>	Sampled By	Gar	y William Super	Cf Sunn	4 <u>X</u> u		
Sampling Time	·	308		Recorded By		Sunn	Xi	/		
Weather	<u>Clri</u>	ely SOF		Coded Replic	ate No.	LOS MZ			,	
-										
Instrument Ide		· .				C a si a L di		:		
Water Quality I	Meter(s)	<u> </u>				Serial #				
Casing Materia	al		-	Purge	Method	-				
Casing Diamet		ψ <sup>γ</sup>	/	Scree	n Interval (ft bn	າp) Top			Bottom	
Sounded Dept		•		- Pump	Intake Depth (	(t bmp)				
Depth to Water		· ·		- Purge	Time	Start	13:4	<b>}</b> .	Finish / d	5108
- • p • • • • • • • •	. (			-		s During Purgin			·····	
		1	1	1.	1	Conductivity		1		Depth to
Time	<ul> <li>Minutes</li> <li>Elasped</li> </ul>	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
14:53				12.7	8.99	107.5	96.	6.97	2 2	
147.58			·	125	9.01	96.8	jot.	5,98	·	44.00.
	5	· · · ·	1	12.6	9.14	95.9	110	5.98.		
15:03				12,6	9.B.	94.9.	115.	5.98		44:00
15.08.	: : .	ļ	<u></u>	1-12	1.12	17.1.	112			
				· · ·						
										· .
						ŕ				ľ
		<u> </u>							·	
						<u> </u>				
· ·	·							i I		ŀ
							-	· · ·		
· · · · · · · · · · · · · · · · · · · ·		 				<u> </u>				
						,		:	·	·
· ·	<u>.</u>									
				<u> </u>	. <u>.</u>			- <u> </u>	[ <u>.</u>	
						:	-			
↓ <u></u>					Odor			Appearance		•
Collected Sam	ipie condition		Gelor	· · · · · · · · · · · · · · · · · · ·	0001	•		when a most of the second s	Preservative	
Parameter			Container			No.	· ·		r iesei taute	
		_	<u> </u>		-	···· ·	·			
· ·	· ·	······································			-					•
PID Reading										
			-				•			<i>,</i>
Comments		· ···· · · · · · · · · · · · · · · · ·			· .					
	•		· .					······································		
	<b></b>			<u></u>	<u>,,,,</u>		······			
										· · · · · ·

Page\_

of

Page of



Infrastructure, environment, facilities

trumpan 04-2 Project Well ID GM-34D لا دورد ، ه Project Number Site Location Rett Sampled By Date Sahay Xu **Recorded By** Sampling Time Sunw Coded Replicate No. Weather Instrument Identification See calibration Serial # Water Quality Meter(s) adinted blackle **Purge Method Casing Material** Z'' 309 Bottom Screen Interval (ft bmp) Top **Casing Diameter** Pump Intake Depth (ft bmp) Sounded Depth (ft bmp) 8.94 1410. Purge Time Start 11.00 Finish Depth to Water (ft bmp) Field Parameter Measurements During Purging Conductivity Depth to pН ORP DO Turbidity Volume Temp Flow Rate Minutes Water (umhos or Time (NTU) (mg/L) (mL/min) Purged (°C) (s.u.) (mV) Elasped (ft bmp) mS/cm) 1} 3.29 683 190 12-6 1403 Ø 5 123 W 1.80 6. 15.0 NIO 10 663 113.2 人13 £.91 t. LIĆ 9 099 86 112. 15 11.20 8.92 7.03 Q.7.A. 20 ロシン 14 1425 ŽÆ 117.0 11£ 0.76 20 1430 16 9.46 118.0 30 7. 32 いえみ Ø. 6. 1035 113.9 119 ₹**%** .0 44 0.75. 1443 Q 40 46 113.3 0.76 66 1445  $^{\prime\prime}8$ 0 46 0,80 113.5 Ys 7. 141V . clear. none color Color less **Collected Sample Condition** Odor\_ Appearance\_ No. Preservative Container Parameter HCI TCL WCS ASPZON WA Gont  $\rightarrow$ PID Reading Comments . 1) Circle one unit type

Low-Flow Groundwater Sampling Log



Page \_\_\_\_\_ of

Low-Flow Groundwater Sampling Log

Project	, KI	orthcop.	Gnir	mon OU	-21					
	r NYUNA9	16.0410.00	52	Site Location	Della	lige, NY		Well ID	<u>GM-30</u>	Dr.
Date	4	-12-10-		Sampled By	Ee	m will	ims/	Sunny X	ų	
Sampling Time		1620		Recorded By		) SUMM	y Xu	Sunny X		
Weather	Su	-12-10. 1620.	2.	Coded Replica		NA				
Instrument Ider		/								
Water Quality N		See Ca	fibratis	~ 109		Serial	¥			-
Casing Materia				)	Method		pladela	- pup	•	
Casing Materia		2"		- , -	ı interval (ft bm	р) Тор	bladdla Flo	E	Bottom j-	20
Sounded Dept				Pump	Intake Depth (fi					
Depth tö Water	•	10.7	2	Purge	Time	Start	143	<u>t</u> .	Finish	(20.
				Field Parameter	Measurements	s During Purgin	a			
	Minutes	Flow Rate	Volume	Temp	pH	Conductivity (umbos or	ORP	DO	Turbidity	Depth to Water
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	miS/cm).11	(mV)	(mg/L)	(NTU)	(ft bmp)
1535	O	Jos		20.4	8.46.	1049	113	4.37		1 e 1
1043	5	)	·.	17.7	8.56	89.8	119	2.03-		
1545	10		· · · · · · · · · · · · · · · · · · ·	16.4.	8.48.	79.6	,28	0.66		10.71
1570	21			16.4	8,36	77.5	131	0, 10		
TRI	20		<u>.</u>	16.0	8.40	76.4	132	0.41	,	10.69
1600	15			16.0	8.40.	76.0.	134	0.39		<u> </u> /
1605	10			16.0	8,33	76:4	137	0.38		10.69
	70				8.31	71.0.	139	0. 38		1-0-1
1610				16.2	8.30		140	0.38	<u>.</u>	10.64
1615	4P			16.1	8.30	746		0.38	900	1-0/
1622	45	₩ 		16.1	0.50	74.3	141	0.10	4.0	
					ļ	· · · · · · · · · · · · · · · · · · ·		· · · ·	: <u></u>	
					-					
				<u>.</u>						 
						-				
Collected Sam	ple Condition	x	Color Col	rlan	Odor_	pone	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Appearance	clear	
Parameter			Container			No.		1	Preservative	
TCL WCs	ASPINO	-	Agn	<i>w</i> A	-			- /	<u> </u>	
					-		· · · · ·			
PID Reading	•									
•			-			-				•
omments	<u>.</u>				· ·			•		
	•		· · ·							
	• · · · · · · · · · · · · · · · · · · ·									
	·····		•					•		·
	type									•



Page \_\_\_\_\_ of \_\_\_\_\_

#### Water Sampling Log

Project Northmp Erumnan Ol-2 Site Location Afront Bethpage, NT.	_ Project No. <u>// 00/ 496</u>	.0410.00	202	
Site Location Atom Bethpage, NIT.	Date	<u> </u>	2-10	
Well No. GM-35D2 Replicate No.	. <u>kIA-</u> Weath	er	Sunny	75°F
-	,		Q	
Sampling Personnel Gong Williams / Sumy Xn Sampling Tir	ne: Begin <u>/6/3</u>		End	16.18
Purge Data	Field Parameters			
Measuring Point (describe) TOC	Color Color	Gobrilias	Cotries	S baba
Sounded Well Depth (ft bmp)	· · · · · · · · · · · · · · · · · · ·	hre	nonp	no
Depth to Water (ft bmp)	Appearance <u>clear</u>	clor	clerr	cb-
Depth to Packer (ft bmp) 507.				
Water Column in Well (ft)	<u> </u>	1V	2V	3V
Casing Diameter <u>4"(s.65)</u>	pH (s.u.) 8,78	7.68	7.24	7.03
Gallons in Well 14.95	Conductivity			
Gallons Purged	(mS/cm) or			
Prior to Sampling45	(µmhos/cm) <sup>1)</sup> 85.7.	87.9	86.1	86.7.
Pump Intake				
Setting (ft bmp)	Temperature (°C) <u>/6.3</u>	14.0.	14.4	13.8
Packer Pressure (psi) bit 2.60 p.j.				
Pumping Rate (gpm)	DO (mg/L)			
Evacuation Method deelicated bladder pup.	ORP (mV)			
Sampling Method 3 WU How fith	Turbidity (NTU)			
Purge Time Begin <u>140</u> End <u>1613</u>	Time			1613
× · · /	DTW (ft bmp)			
5002 (Star 2) and (				
Remarks:				. , .
Split with H2M.				· · · · · · · · · · · · · · · · · · ·
Parameter Container	No.		Preservative	1
See CX -		-		
		-		
PID Reading				
Well Casing Volumes           Gal./Ft. $1^{1/4_{u}} = 0.06$ $2^{u} = 0.16$ $3^{u} = 0.37$ $1^{1/2_{u}} = 0.09$ $2 \cdot \frac{1}{2}^{u} = 0.26$ $3 \cdot \frac{1}{2}^{u} = 0.50$	4" = 0.65 6" = 1.47			

Page \_\_\_\_\_ of \_\_\_\_\_



Project Project Number Date Sampling Time Weather Instrument Ide Water Quality	e entification Meter(s)	5/10 1315 1315 1mmp 7 5ee (	O.F.	Site Location Well ID CAM-7E Sampled By <u>Gany 1271/2ans / Sunny Xu</u> Recorded By <u>Sunny Xu</u> Coded Replicate No. <u>/VA</u>						
Casing Materia		<u> </u>		-	Method 1 Interval (ft bm		hor	el - bloold	Bottom_	525
Sounded Dept		<u> </u>			intake Depth (f				Bottom	12
Depth to Wate	r (ft bmp)	28.2	23.	_ Purge		Start	1225	7	Finish /	3/1.
				Field Parameter	Measurement	s During Purgir	ıg		······	
Time	Minutes Elasped	Flow Rate (m⊔/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhosor -m6/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
12:15	Ø	jus		17.2	7.13	219	204	6.58		
1300	1	1		16.6	6.22	146.2	233	4.14		28,29
1305	/>			16.5-	6.08.	126.0	.249	4.60		
1310	2\			16.5.	1.91-	123,0	251.	4.71.		28,29
1315	مر			16.5.	5.86.	113.1	262	4.91		1
1320	25			16.3	5.91	109.5.	-264	-5.02		28,29
1325	30			16.2	5.91.	103.6	267.	5:03	1	
1330	江			16.X	590	101,3	269	F.ox		29.31
1335	40			16.5	5.87	98.6	270.	5.01		T
1340	45			16.5	5.78	P8,5.	≥71.	4.99		29,31
13.45	to			16.5.	5.73	36.2	271.	5.03		
1310	21.			16.4	5.65	94, 5.	272	5.02		29.31.
1355	60 :	ť		16.4	f.h-	94.6.	272.	5.01		
										<u> </u>
Collected Samp	le Condition	(	color <u>Cobre</u>	ses	Odor	/isre		Appearance_	clean	
Parameter TCL_VDCs	ASP2000	-	Container <u>40~1 (</u>	10A	-	No. .3			Preservative HC1	<u> </u>
PID Reading										••
Comments										
_								·		



Project Project Numb	er N <u>70014</u>	96.0412. 4113110	Grumme over 2	Site Location		Bothpag	e M	Well ID	<u>GM-</u>	79
Date		<u> 1113110</u> ψ <i>δ</i> Σ		Sampled By		Pron	orti			· · · · · · · · · · · · · · · · · · ·
Sampling Tim Weather		rast		Recorded By Coded Replic		NA	0/715/			
weather	<u>UVE</u>	(4)		Codea Kepin	ate No	<u>·· /7</u>	<u></u>			
Instrument Ide	entification		<i>.</i>	4 4	,					****
Water Quality	Meter(s)	ز	ee cali	hartran 1	Up	_ Serial :	#			
Casing Materi	al	P\	rC	Purge	Method		Dedrige	fed Black	- 1cm	plie
Casing Diame	ter	i	ų	Scree	n Interval (ft bm	ір) Тор	280		Bottom	90_
Sounded Dept	h (ft bmp)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		_ ·	i Intake Depth (f	t bmp)				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Depth to Wate	r (ft bmp)	36	<u>, 19</u>	Purge	Time	Start	1305	<u></u>	Finish	140
r				Field Paramete	er Measurement	s During Purgin	g	<b></b>	· · · · · · · · · · · · · · · · · · ·	
Time	Minutes	Flow Rate	Volume	Temp	pH	Conductivity (diffings or	ORP	DO	Turbidity	Dep Wa
	Elasped	(mL/min)	Purged	(°C)	(s.u.)	ms/em 1	(mV)	(mg/L)	(UTV)	(ft t
305	0			9.8	6.27	73.1	266	7.52		
1310	5	275		9.6	6.28	77.0	267	6.59		36
1315	16			9.4	6.15	73,2	268	5.54		
1320	15			9,3	6.08	73.5	271	4.05		36.
1325	20	3.50		9.2	6.01	73.9	276	462		
1330	25			9.2	5,95	73.9	280	4.69		36.
1335	70			9,2	5,89	77.6	277	4.62		
1340	35	250		9.3	5.83	734	279	4.91		36
1345	Y0			9.5	5.77	77,3	280	4.97		
1350	45			9,8	5,78	77,7	281	4,97		36.
1255	50	250		10,0	5,67	72.9	282	4.99		
1400	55	255		10.2	566	71.5	282	4.81		36.
1405	60			1012	5.61	72,4	282	5.08	2.34	
									clear	
Collected Sam	ole Condition		Color <u>Col</u> i	Ners_	Odor	nne		Appearance		-
Parameter Le	e Cor	ſ	Container			No.			Preservative	
		· –				·····	· ····	-	······	
PID Reading		-			-			• ·		
Comments		(a.A	61	Gard	well c					
		pliker	Jung	www	wer y	sing				
-										

Page \_\_\_\_\_ of \_\_\_\_\_



Project	_N;	+thisp	Cinum 0000 2	uan 0	u - 2				<b>a</b> 2	
Project Numb	er ATWI.	£96 0410	00002	Site Location	Ber	These ,	INY.	Well ID	G/M-7	9 <u>7</u>
Date	_4	-13-10	<u>)</u> .	Sampled By	3 Po	A Press	<u>skil.</u>	Cuniy X	<u>'ч</u>	
Sampling Tim	e,	12/20		Recorded By	<i>v</i>	Prezor	r k/	/		
Weather	_0V	reart		Coded Replic	ate No	N A				
Instrument Ide	antification									
Water Quality			<u>Cle</u>	calibration	- loj	Serial #	ŧ			
Casing Materi	al	ev		Purge	Method		Dedrotte	1 Slopper 1	LOWF	low
Casing Diame	ter	<u>(</u>	<u>í 11</u>	Scree	n Interval (ft bm	р) Тор	170	I	Bottom	180.
Sounded Dep	th (ft bmp)			_ Pump	Intake Depth (fi	t bmp)				
Depth to Wate	er (ft bmp)		4.87		Time	Start	12:04		Finish	12,50
				Field Paramete	r Measurement	s During Purgin	g			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (Unhos or mS/cm) <sup>1]</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
12:05	0		1	11.4	7.33	101.6	176	6.93		
12:10	5	450		<u></u>	6.38	81,9	214	567	<u> </u>	34.97
(2)15	LO	1		11,2	6.44	82.D	220	6.03		
12:20	15			11,2	6:37	+	238	6.73		34.87
12:25	20			11.0	6.37	74.5	252	7.01		
12:130	25			10.9	6.37	74,2	258	6.93	<u></u>	34.87
12:25	30			10,7	6:30	74.0	263	6.45		
(1:40	35			10,7	6.30	737	266	6.72		34.87
12:45	y,o			10.7	6.28	73.8	269	6.72		
11:50	45	J		16.7	6,28	773	269	6.79	9.0	34.87
1		~ **				,	<b>*</b>			
							· · · · · · · · · · · · · · · · · · ·			
				A						
Collected Sam	ple Condition		Color_C	lanza	Odor_	NEME		Appearance	clan	<u></u>
Parameter	OC		Container		_	No.			Preservative	
•					-					
PID Reading	<u> </u>							-		
· · ·			-							
Comments .									· · · · · · · · · · · · · · · · · · ·	
				. <u> </u>			~	. "		······································
			·····							·

Â	AR	C	A	DI	S	
Infrastru	cture,	envii	onr	nent	t, facil.	ities

Page	/ of	_/
------	------	----

	Water S	ampling Log				
Project Northrop Gruman	04-2	Project No.	(ov 1×96	5 × (> UVV	2	
Site Location Betlinge, h		······································		4-6-		
Well No. Par 1-1	<b>D</b> (1 / 1)	•	Weathe	er _	Ed/auchy	784=
Sampling Personnel Group Williams	Sun Sampling Tin	ne: Begin	12:40		End <sub>(-</sub>	<u>2:18</u>
Purge Data		Field Parameters				
Measuring Point (describe)70	C	Color (	.olabers	(olaby	ColMan	(slalery
Sounded Well Depth (ft bmp) 24	<i>[</i> ]	Odor	hore	prove	pono.	ma
	4.26	Appearance	cleer	clear	c.ba	clear
Depth to Packer (ft bmp) / 6	9		1			
Water Column in Well (ft)7	2		<u> </u>	1V	<u>2V</u>	3V
Casing Diameter	(0.65)	pH (s.u.)	8.04	6.85	6.10	<u>F.93</u>
	<u>-6.8</u> хэ	Conductivity	-			
Gallons Purged	хЭ	- <del>(mS/cm)</del> or				.0
Prior to Sampling/ I	40.	(µmhos/cm),1)	198.5	(86.5	19K.5	195.4
Pump Intake						
Setting (ft bmp)		Temperature (°C)	16.8	15.0	14.1	14.0
Packer Pressure (psi)	20 ps;					
Pumping Rate (gpm)		DO (mg/L)				
······································	submersible put					
······································	14	Turbidity (NTU)				
Purge Time Begin / 1/2/	End_/2(1X	Time	12= <b>4</b> 0pm	1.1.2:46	12:52	12:58
		DTW (ft bmp)				<u> </u>
Remarks: (169 - 24, 2	6) ×0,43+	N=112				
		· · · · · · · · · · · · · · · · · · ·			D	
Parameter CN. <u>TCL UDER APPTICE FUR</u> 2	Container 40wf_UOA	No. 	-		Preservative HC[	۶ 
			-		<u> </u>	
					· ·····	
PID Reading						
Well Casing Volumes		4" - 0 65				
Gal./Ft. $1^{1/4\alpha} = 0.06$ $2^{"} = 0.16$ $1^{1/2n} = 0.09$ $2^{-1}/2^{"} = 0.26$	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47				

1) Circle one unit type

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



Water Sampling Log

Project Northup Evenan OU-2	Project No. $N for (\sqrt{96.0410.0002})$ Date $\sqrt{-6-10}$
Site Location Betthege, NY	Date <u>(2-6-10</u>
Well No. <u>BPDIP (-2</u> Replicate No	
	$\langle \rangle$
Sampling Personnel Gay Uillon/Sury Sampling Tin	ne: Begin <u>(438</u> End <u>438</u>
Purge Data	Field Parameters
Measuring Point (describe)	Color Colorlan Colorlars Colorlar Colorlar
Sounded Well Depth (ft bmp) 355	Odor have have have down
Depth to Water (ft bmp) 24, 92	Appearance ilen clean clean. Clean.
Depth to Packer (ft bmp)	
Water Column in Well (ft)	
Casing Diameter $V''(\rho, \beta c)$	pH(s.u.) <u>5.10</u> <u>6.26</u> <u>5.19</u> <u>4.71</u>
Gallons in Well	Conductivity
Gallons Purged x 3	( <del>m&amp;/cm)</del> -or
Prior to Sampling & 0	(µmhos/cm)" 197.9 170. 151.7 140.5
Pump Intake	
Setting (ft bmp)	Temperature (°C) $17.2$ $15.1$ $13.7$ $13.2$
Packer Pressure (psi) <u>IX7 PS7.</u>	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method declicated submersible pup	ORP (mV)
Sampling Method 3140	Turbidity (NTU)
Purge Time Begin <u>1423</u> . End <u>1436</u>	Time 14:23 1430 14:33 14:36
·	DTW (ft bmp)
Remarks: $(29\psi - 24.92) \times 0.43 + 50$	- 147
Remarks. $(2/\psi - 2\xi_1/2) \neq 0.75130$	
	· · · ·
Parameter St Container TCL VOCS ASPECTOR 54.2 40MR VOA	No. Preservative
PID Reading	
Well Casing Volumes           Gal./Ft. $1^{1/4"} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2"} = 0.09$ $2-\frac{1}{2}" = 0.26$ $3-\frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47



Page \_\_\_\_\_ of \_\_\_\_\_

Water Sampling Log

Project Northup Grunnan 04-2	Project No. 🦯	1/ 01/49	6.0410	<u>, enn 2</u>	
Site Location Bethpage, NY				10.	· · · · · · · · · · · · · · · · · · ·
Well No. BPO V 1-3 Replicate No.	NA	Weathe	r (	loudy -	76°F.
<u> </u>			· ·	(	
Sampling Personnel Gar Dillies / Surry & Sampling Tim	ie: Begin	1617		End	1620
Purge Data	Field Parameters	6			
Measuring Point (describe) 70 C	Color (	places	Colordeus	Culaley	Cole less
Sounded Well Depth (ft bmp)	Odor	pore clean	none	none	how
Depth to Water (ft bmp) $\frac{24.94}{2000}$	Appearance	clean.	clour	<u>c bar</u>	сва
Depth to Packer (ft bmp)					
Water Column in Well (ft) 75			1V	2V	3V
Casing Diameter	pH (s.u.)	4.45	3.71	3.64	3. 45
Gallons in Well 48.75	Conductivity				
Gallons Purged イラ	(m <del>S/cm) o</del> r				
Prior to Sampling	(µmhos/cm))	190.0	199.9	182.0	182.9
Pump Intake			•		
Setting (ft bmp)	Temperature (°C)	105	14.1	14.1	13.1
Packer Pressure (psi)					
Pumping Rate (gpm)	DO (mg/L)				
Evacuation Method dectracted submersible pump	ORP (mV)				
Sampling Method .3 will	Turbidity (NTU)				
Purge Time Begin 1552 End 1616.	Time	15=12	1600	1608	1616
	DTW (ft bmp)	1			
CALLY SUGS SIGNAL	67				
Remarks: $(344 - 2492) \times 0.43 + 50 =$	<u>181</u> .				
	······				
Parameter Container TCL VOCs Aspendix 474.2 40ml VOA	No3			Preservativ HCI	0
	· · · · · · · · · · · · · · · · · · ·				
PID Reading					
Well Casing VolumesGal./Ft. $1^{1/4_{11}} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2_{11}} = 0.09$ $2 \cdot \frac{1}{2}" = 0.26$ $3 \cdot \frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47				



	Page	_ 1	of	ļ
--	------	-----	----	---

.

Water	Sampling	Log
-------	----------	-----

	· · · · · ·		vy			
Project Northrop Grumme	en 02-2 1, NJ	Project No.	NYOU,	496.04	(D. 0000)	2_
Site Location Bethpa	K, N/		Date	4-	7-12	
Well No. 3POW3-1	/ Replicate	No. <u>REP 04</u> 07/	weath د/	ner _	Summe 9	7°F
		,			ſ,	
Sampling Personnel Gary Williams	Sampling	Time: Begin_	1120	-	End	1134
Purge Data		Field Paramet	ers			
Measuring Point (describe)	TOC	Color	Colorley	Colorles	Colorlans	Colorley
Sounded Well Depth (ft bmp)	516	Odor	pour	hous	pro	porte
Depth to Water (ft bmp)	20.85	Appearance	clear.	clear	clear	dear.
Depth to Packer (ft bmp)	414					
Water Column in Well (ft)	102		1	1V	2V	3V
Casing Diameter	4"(0.63).	pH (s.u.)	4:61	3.04	7.13	2.05
Gallons in Well	66.3	Conductivity	1.			
Gallons Purged	x 3	(mS/cm) or				Å
Prior to Sampling	199	(umhos/cm)	3185.2	179.5	92.0.	94.0
Pump Intake			- -	,	/	
Setting (ft bmp)		Temperature (°	c) <u>[8,</u> ]	17.0	142	13.2
Packer Pressure (psi)			'	, , , , , , , , , , , , , , , , , , ,		
Pumping Rate (gpm)		DO (mg/L)				
Evacuation Method decli carles	l submor sible pi	WPORP (mV)				
Sampling Method 3	レノ	Turbidity (NTU)	· · · · · · · · · · · · · · · · · · ·			
Purge Time Begin _/07	<u>763</u> End 1130	Time	10:53	11:04	11:16	11:30.
		DTW (ft bmp)		26.17.		
Remarks: $(414 - 20)$	.85) × 0,43+	$w = \lambda g$				
						<u></u>
Parameter	Container	No,			Preservative	
Ta VOLG ASPAN FUEL	40 ml VUA		3		HCL	
PID Reading		; pH met	er chan	yed offe	2- IV.	
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16	3" = 0.37	4" = 0.65				
$1^{1/2} = 0.09$ $2^{-1/2} = 0.26$		4 = 0.05 6" = 1,47				



Page	_1	of _	/
	· 1.		

Water Sampling Log

		1		samhung rof	_	o (		
Project <u>Narth</u>	1	<u>an Ol</u>	<u>(-2</u>	Project No	HTONIC			
Site Location	Bothe	je, r	,				7-10	
Well No.	BPOZO 3	-2	Replicate N	O. NA	Weath	er	Sund.	90 12
Sampling Personr	nel Gary Dil	Rom / Su	f Sampling Ti	me: Begin	15.18		(/ End	15:20
Purge Data	v			Field Parameter	'S			
Measuring Point (	describe)	78	) <u>С</u>	Color	Worless	Gilorley	Colorles	Cobrley
Sounded Well Dep	pth (ft bmp)	64	7	Odor	pour	Lora	mon	in
Depth to Water (ft	bmp)		56	Appearance	dear	den	c (gar	con
Depth to Packer (f	ft bmp)	fD.	3		-0			
Water Column in V	Well (ft)	14	4		I	1V	2V	3V
Casing Diameter		<u> </u>	0,65)	pH (s.u.)	7.15	7.15	7.15	7.15
Gallons in Well		<u>93.</u> x	60	Conductivity		1		
Gallons Purged	-	×	3	<del>(mS/cm) o</del> r				
Prior to	Sampling	8	<u>0</u> ,	(µmhos/cm)	68.0	71.6.	66.0	5-9.9
Pump Intake						g.		
Setting (	(ft bmp)			Temperature (°C)	16.3	18.5	16.2.	13.9
Packer Pressure (	psi)	247	<u>.</u>					
Pumping Rate (gpi	m)	/		DO (mg/L)				
Evacuation Method	d dedicate	of subn	ersitle purp	ORP (mV)				
Sampling Method		34		Turbidity (NTU)				
Purge Time	Begin	1328	End	Time	13.28	13:43	13:56.	itall.
				DTW (ft bmp)			, , <u>, , , , , , , , , , , , , , , , , </u>	
Remarks:	$lm^2$	-> 7. 5	5)×0.42 -+	(	 ז			
Remarks.	(103		5/20:43 -	JO = 25	/ 			······
	<u></u>							
Parameter <u>70. VOCs</u>	529. V'	- 	Container 4ッい のA	No.	) )		Preservative ルロ	
PID Reading				- · · · · · · · · · · · · · · · · · · ·				
<b>Gal./Ft.</b> $1^{1/4_{11}} = 0.1$ $1^{1/2_{11}} = 0.1$		).16 ;	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47				
1) Circle one unit	t type						•	

<b>ARCADIS</b> Infrastructure, environment, facilities				Page	of
	ampling Log				
Project Northurp Granmon-2	Proiect No. →	Novici9	6.0410 .	ser 2	
Site Location <u>Rethrage</u> , NY		- <del>ll</del> Date	ý.	-8-10	
Well No. <u>BPOW 4-1</u> Replicate No	NA	Weath	er d	Fung &	>/2
Sampling Personnel Gay Jillion / Sury X. Sampling Tin	ne: Begin	16:00		End	16:05
Purge Data	Field Parameters				
Measuring Point (describe) 70 C	Color ('s (	rbes	Cobrless )	ables !	Gbrby
Sounded Well Depth (ft bmp) 652 692	Odor	2000	pore	pore.	1-02-0
Depth to Water (ft bmp) 20 4	Appearance	cber.	clear	c Cour	o lar
Depth to Packer (ft bmp) 503 652					
Water Column in Well (ft) 149 40		<u> </u>	<u>1V</u>	2V	3V
Casing Diameter $4^{1}/(\circ.6t) - 2^{1}/(\circ.16)$	pH (s.u.)	5.39	5.56	5.64	S.5K
Casing Diameter $4^{1/0.6k}$ $2^{1/0.16}$ Gallons in Well $96.85$ $6.4$ Gallons Purged $\times 3$ $\times 3$	Conductivity	-		•	
Gallons Purged X3 X3	( <del>mS/c</del> m) or				
Prior to Sampling 30 9	(umhos/cm))	49.7	83.9	62.5	54.3
Pump Intake		. /			
Setting (ft bmp)	Temperature (°C)	13.9	12,2	13.5	11.6
Packer Pressure (psi)		,			
Pumping Rate (gpm)	DO (mg/L)			· · · · · ·	
Evacuation Method dechcaded Subner: He pup.	ORP (mV)				
Sampling Method 3wV	Turbidity (NTU)				
Purge Time Begin 13:31 End 16:20	Time ,	13:31	13245	11:00:	16:00
	DTW (ft bmp)				
Remarks:	•				
	······································				<u></u>
	•				· · · · · · · · · · · · · · · · · · ·
Parameter Container TCL VCC FX42 (O M) JOA	<u>No.</u> ≥3			Preservative	)

**PID Reading** 

					· · · · · · · · · · · · · · · · · · ·
	Well C	Casing Volumes		,	
Gal./Ft.	1 <sup>1/4</sup> " = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
	1 <sup>1/2</sup> " = 0.09	2-1⁄2" = 0.26	3-1⁄2" = 0.50	6" = 1.47	



Infrastructure, environment, facilities

Water Sampling Log

Project <u>Northop Empran</u>	~ DU-2	_ Project No	N/00/69	6. 2410,	our 2	
Site Location Rethpage,	14		Date		- 8-00	
Well No. <u>BPOL-4</u>	2 Replicate No	. <u>MS/M</u> SD.	Weath	er	Sing 8	<u>422</u>
Sampling Personnel (and Willie	Sampling Tin	ne: Begin	13:21		End	13:26
Purge Data		Field Parameter	rs			{
Measuring Point (describe) Sounded Well Depth (ft bmp) Depth to Water (ft bmp) Depth to Packer (ft bmp)	70 C 764 19.98 103	Color ( Odor Appearance	Colorber vorl cler	l'strees per cler	Colorbers none Clean	(staley horo clon
Water Column in Well (ft) Casing Diameter Gallons in Well Gallons Purged	261 4"(0.63) 169.63 x 3	pH (s.u.) Conductivity (mS/cm) or (μmhos/cm)	<u> </u>	1V 5.76 5.76	2V _(-, 47 	3V 5.5-3 69.4
Prior to Sampling Pump Intake Setting (ft bmp) Packer Pressure (psi)	bg 	(µmnos/cm) Temperature (°C		13.1	13.7	13.2
Pumping Rate (gpm)	d cub morable pup zwi	DO (mg/L) ORP (mV) Turbidity (NTU)				
	12:11 End 13:21	Time DTW (ft bmp)	<u>10:11</u>	10:40.	11:59	13:24
Remarks: <u>(</u> <u>f</u> 03-	-19.98) ×0.43 +55	) = 257				· · · · · · · · · · · · · · · · · · ·
Parameter TCL VOC, XW, Z	Container 40 hl dr	04) No. 		-	Preservativ H c (	<b>e</b>
PID Reading	A need	s well p	lucy. An	ts gro	wiy isi	de.
	olumes 0.16 3" = 0.37 " = 0.26 3-½" = 0.50	4" = 0.65 6" = 1.47			v	

1) Circle one unit type

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log

		10.00		
	Date/Time:	0221 0/1/1/2 Date Date	Condition/Cooler/Temp	Shipping Tracking #:
Source of the second	Firm/Counter:	"Anc ANS"	Sample Receipt	STANDAN
	Signature	Markt	jų intacių ių Nokina	Cooler packed with ice (*)
Printed Name: Printed Warne:	Print	entred Name DEALUSINEUCAFEEN	Cooler Gustady Sealthy), 1999	Why Bip Analten Sauces
ed By Will States Reinguisted By Will States a subort to will be a subort to will be a subort to will be a subo	Receive	Réliquished By	on and Rocolds	n and Paco Facon Alticom and Paco
istructions(*)	Special QA/QC Instructions(r)			Special Instructions/Comments:
				TONICS
50 60194 July 1 august	\$150 \$150		145	
10	74.		52	ower 96 MIN EFF.
CANA)	11-100			
And -Esta Gl. Sommes Theen Walky The	244			MARIA 96 TWG
				TONK A
<b>O</b>	00/54		0%0	GUER 102 IN
and 1 Last 1/2 How OF A 10 Hour				
14 \$ 1082 -24/- 20 102 SAMPLES TAKEN DUNING TH	44100		00050 pt/9/12	TOWEN 102 EFF.
Day Ste	. 07	Marry NO 19 9 4	Collection Type (*)	Sample ID
lar A		100	FTTT JUL 5 March	Sampler's Printed Name Mill CLAFFERNT
A Son	107	<u> </u>	NH 0146.0410.06002	ect Name/Location (City, State)
MERHOD	FER ANALYSIS		E-mail Address	ANUVELE Nº 11747
			(3) 249-7410	CHUTTHE TON DANAL (63) 249-7610
Ceys Preservation Key Container Information Key 1 40ml / 1a			(13/) 248-7600	Arcans
FORY Page ∠ of ∠	LABORATORY ST FORM	CHAIN OF CUSTODY & LA ANALYSIS REQUEST	16692 CF	

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	DateTime	Oate/Time: Date/Time:	02 EL al 94		condition/Cooler Temp	Shipping Tracking #:
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					Sample Receipt	STANAAN
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			to the			Cooler packed with ice (Y)
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			NINS MECLAHERN	Þ		That
иличение (3) 244-7660 или условные или или или или или или или или или ил	alisquishadiBy		d Name		nandiReceipt	vame •
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			¥		4	FUP BLANK
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				×	<b>K</b> 230	Junen 96 EFF.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				×	<u>1</u> 28	MULENPANNE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			×	×	0845	WELC 3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			W	X	7680	well 1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	OFF were 1		8	×	<u> </u>	well 17
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			<b>N</b>	X	0.852	WELL K
$\frac{1}{1015} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{10000} \frac{1}{10000} \frac{1}{100000} \frac{1}{1000000} \frac{1}{100000000} \frac{1}{10000000000000000000000000000000000$	157		3	*	0725	WELL IG
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(N		W	×		10000 03
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	WHEN OPENED. SENT		X	×	650	OWEN 102 ECF. MISD
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	W AS		V	×	07 50	IOZEFE M
Image: Control (Control (Contro) (Control (Contro) (Contro) (Contro) (Contro			W	X		
Import     Topology     Topolog			8	1 X	10	TOWER 102 INF.
Import     Topology     Topolog	REMARKS		14/19/19/19/	TVPS(*) Matrix	Collection 24	SampleID
$\frac{1}{2} \frac{1}{\sqrt{2}} \frac$	2	8/ // /	M / N / N	lfert.	No- MPCA	ENAIS APPECLARENT
$\frac{1}{2} \left( \frac{1}{2} \right) 2 + \frac{1}{2} \left( \frac{1}{$	Malios Koy		- Vor . 00/	10.0002	N Khiock	NGC DUZ DETHAL NX
$\frac{hor}{(G_3)} 2 + f_{-} - 7 \leq \rho_{0}$ $\frac{f_{12}}{(G_3)} 2 + f_{-} - 7 \leq \rho_{0}$						
$\frac{1}{(6,3)} 2 - 4 - 7 - 4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2$	HNOS WaOH None Some			-7610		2 HUNTIHUMU JACK CANALE
	Conta 1 40		200	19-7600	(631	ALCANSLAND LON
	Kevs				phone	Contact & Company Name: THE ALV SM SCALAR

$\frac{\left  \left( An : C_{i2} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left( \frac{P_{i2}}{P_{i2}} \right) \right) \left( \frac{P_{i2}}{P_{i2}} + 2\pi \left($	$\begin{array}{c c c c} U & V & V \\ \hline & V$	Shipping Tracking #:
$\frac{B}{(2,1)} = \frac{B}{(2,1)} = $	U     Q     Z     Z     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M     M <th>its:</th>	its:
$ \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} + $	L. (-, -, 7, / 10     видини     3     1       Image: Standard	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	U     1     1     1     1     1       1     0     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1     1     1     1       1     1     1 <td>Jr. Analyte &amp; Servers</td>	Jr. Analyte & Servers
$\frac{P_{\text{exc}}\left( \cdot, $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	an Name
$\frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \right)^{2} + \frac{1}{2} \left( \frac{1}{2} \right)^{2} - \frac{1}{2} \left( \frac{1}{2} \right)^{2} \right)^{2} \left( \frac{1}{2} \right)^{2} $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
$\begin{array}{c c} c(z)s & (z) & ($	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	becal Instructions/Comments
$\frac{d_{1}}{d_{2}} \left\{ \begin{array}{c} \frac{d_{2}}{d_{3}} + 1 + 2 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{d_{1}}{d_{2}} + \frac{1}{2} + \frac{1}{2$	$\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} $	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
$\frac{(U_{1}^{\prime})_{2}^{\prime}}{ U_{1}^{\prime} _{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}}{ U_{1}^{\prime} _{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}}{ U_{1}^{\prime} _{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}}{ U_{1}^{\prime} _{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}^{\prime}} = \frac{(U_{1}^{\prime})_{2}$	-2U = 76 lo	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-2U G - 7U I 0	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$- \mathcal{L} \mathcal{L} \mathcal{L} - \mathcal{T} \mathcal{L} I \mathcal{I}$	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$- \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{T} \mathcal{L} \mathcal{I} \circ \underbrace{\operatorname{Mannand}}_{\operatorname{Mannand}} \mathcal{I} \underbrace{\operatorname{Mannand}}_{Mann$	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-2U(9-7)/(1)	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$-2U 9-76 I 0$ $= \frac{3}{1000}$ $= \frac{3}{10000}$ $= \frac{3}{10000}$ $= \frac{3}{100000}$ $= \frac{3}{1000000}$ $= \frac{3}{100000000000000000000000000000000000$	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$-2U'''_{1-7}/10$ $= \frac{2}{100} \frac{2}{100} \frac{1}{100} \frac{2}{100} \frac{1}{100} \frac{1}$	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-2U(9-7/lio)	V
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$-2U(q-7/l) = \frac{2400000000}{10000000000000000000000000000$	BPOID 1 2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$-2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} - 7 \mathcal{G} I 2}$ $= \frac{2 \mathcal{L} \mathcal{G} - 7 \mathcal{G} I 2}{2 \mathcal{G} I 2}{2 \mathcal{G} - 7 $	BROLD 1- 1
Image: Construction     Provide of the second constr	- 2 LL 4 - 7 L 12 endemand and 1 end	
	$-\mathcal{L}\mathcal{U}\mathcal{G} - \mathcal{I}\mathcal{G} \mathcal{G}$	
	$-\mathcal{L}\mathcal{U}\mathcal{G}_{2}^{2}\mathcal{G}_{1}^{2}$	Xin
$ \begin{array}{ c c c c c } \hline Contract & Company Name \\ \hline M_{L}^{L}(S_{L}(L, k_{L}), d_{L}) & \hline M_{L}(S_{L}(L, k_{L}), d_{L}) & \hline M_{L}(S_{L}) & \hline M_{L}$	$-\mathcal{L}\mathcal{U}'_{1}-\mathcal{T}_{0}'_{10}$ $\frac{\mathcal{L}_{0}}{\mathcal{U}_{0}}$ $\frac{\mathcal{L}_{0}}{\mathcal{U}_{0}$	CHARLEN N
$\begin{array}{ c c c c c c } \hline Contract & Company Venue \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$- \mathcal{L} \mathcal{L} \mathcal{H} - \mathcal{I} \mathcal{J} \mathcal{I} \mathcal{J}$ $- \mathcal{L} \mathcal{L} \mathcal{H} - \mathcal{I} \mathcal{J} \mathcal{I} \mathcal{J} \mathcal{I} \mathcal{I} $ $- \mathcal{L} \mathcal{L} \mathcal{H} - \mathcal{I} \mathcal{J} \mathcal{I} \mathcal{I} \mathcal{I} $ $- \mathcal{L} \mathcal{L} \mathcal{H} - \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} $ $- \mathcal{L} \mathcal{L} \mathcal{H} - \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I}$	Me(c) + Q = M/(1) + T
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Chy State Str. (13/2)
Contact & Company Name $\frac{1}{2}$ Reprinting $\frac{1}{$		Address
	Contraction	Contact & Company Name:

$ \begin{array}{ c c c c c } \hline \label{eq:product} eq:pr$	nfrastructure, environment, buildings	CODO			ANA	<b>NLYSIS</b>	ANALYSIS REQUEST	UEST	<b>FFORM</b>	Z	Page	Page 🖞 of 🖞			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Contact & Company Name:		-144	760.1		Preservative Filleradi V								ervation Ka H SO	Keys contai
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Address. > Marth of the Result		1-2029.	-1610		e of Container Container Information	2   						1.000		2 (104) 3 (200) 4 (000) 5 (104) 5 (104
Service State         Service	City State	E-mail Address:					PAR		RANAL	1 <u>8 SIS</u> J	<u>verhoi</u>	0	0 n	diher	6 202 Gas 1 402 Gas
$\operatorname{Removes}_{(1,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2)} \operatorname{Removes}_{(1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2$		Sampler's Signa	1/4 / 6. 04	14.00.002		DC 5	Ser.	, <del>,</del> ,	$\sum_{i=1}^{n}$	$\bigvee$			 	oh er. Lijz Kev	10 Olie
$\frac{\langle \mathcal{L}_{2} \rangle}{2   1 \rangle} = \frac{\langle \mathcal{L}_{2} \rangle}{		Collec	(	Vpe (*)		22 SD	Ľ,								O S S S S S S S S S S S S S S S S S S S
$\frac{1}{2} \frac{1}{10} \qquad \frac{1}{10} \frac{1}{10} \qquad 1$		Date	6	mp Grab		Nº A			/				RE	MARKS	
$ \frac{\sqrt{1}}{\sqrt{2}}	7B040710	4-21-2		5		••••••••••••••••••••••••••••••••••••••									
$= \frac{1}{2}$	REPOUSTION														
$-\sum_{n=1}^{\infty} \left( \begin{array}{c c c c c c } & & & & & & & & & & & & & & & & & & &$	$\partial \rho \omega \rightarrow -1$														
$ \begin{array}{ c c c c c } \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	8702 3- X	V		J.V	V										
$ \frac{   }{   } = \frac{   }{    } = \frac{   }{     } = \frac{    }{                               $															
$\left  \left  \left$															
Image: State															
Initial Control         Initial Co															
Image: Second															
Image: Section production producting producting production producting producting producting produc															
Image:													and the second second second		
Image: Sample Collection         Sample Collection         Fine															
ons/Comments:       Image: Construction on o															
ons/Comments:       Image: Second constructions of the second construction															
Maboratory (Informationand/Recent)         National Statute         National Statute <t< td=""><td>pecial Instructions/Comments</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>l Special QA/C</td><td>C Instruction</td><td><b>is</b>(γ):</td><td></td><td></td><td></td><td></td></t<>	pecial Instructions/Comments								l Special QA/C	C Instruction	<b>is</b> (γ):				
And H (L)         Carl (L)         Condition (C)         Finite	v Monae	ion and Recei	<u>6</u>			Reling	dishediBy		Ra	celved By		Rello	quishediBy		Laboratory Recel
d with ice (r)         (I) with active (I) wit	<u>;</u>		ilocy geal (				$\mathbf{X}_{i}$		illinen vestile.			ileo Name:			eo Name.
Requirements:         Sample Réceiption         Finn.         Finn.Counter         Finn.Counter:			ίΞ.	] Wotilatact	Signatur	$\leq$		6	gnature		Sig	nature:		Sign	ature:
د+ در المحمد المح المحمد المحمد	ecity Turnaround Requirements:	Sample Re	ceipt		Firm	1 1 1		7	m/Counier:		- Fin	n/Courier:		Eng	1
	ער איז				Date/Tin	ICACL S			ale/Time:		Da	۵/Timp		Date	

Политически страници         Калани страни страници         Калани страни с	Interventionality     Image     Im	Date/Time: Date/Time:		Dale/Time:		Date/Time		ConditionCoole	Shipping Thecking #:
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HOUS     ANALYSIS REQUEST FORM     Page / of / $M_{1/2}(1)$ $M_{1$	<b>4</b> 	(cx	Firm/Cou	27272			Sample/Receipt	div Junaround Requirements
Bartonning         Image	Multiple     ANALYSIS REQUEST FORM     Page of $M_{Reach     M_{Reach     $			Signature		Signa	巨 Not ing	E linad	cooler packed with ice (*)
Политически	Multiple     AMALYSIS REQUEST FORM     Page _ or       Marca (-1)	me	me	Piinted N	NUN ISA	4 Photo	Seal	. So	Name Muchia Analytal Scance
При станцијани         При ст	HUDY     ANALYSIS REQUEST FORM     Page $d$ Marcello $\frac{3}{2}$ $\frac{3}{2}$ $\frac{3}{2}$ Marcello $\frac{3}{2}$				Relinquished/By			tioniandi Receipte	and the second
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Matrix Instrument     Barly of $1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + $		iai:QA/QC Instructions(*);	□ Spec	A				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HULL     ANALYSIS REQUEST FORM     Page _ of _       March     B     B     B       March     B     B     B     B       March     B     B     B     B     B       March     B     B     B     B     B       March     March     B     B     B     B       March     March     March     March     March       March     March     March     March     March       March     March     March     March       March     March     March     March       Mar								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	HULL     MALLYSIS REQUEST FORM     Page $\angle$ of $\angle$ March $\begin{pmatrix} 3 \\ -1 \\ -2 \\ -1 \end{pmatrix} \begin{pmatrix} -1 \\ -2 \\ -2 \\ -1 \end{pmatrix} \begin{pmatrix} -1 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\$								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	HUGP     MALYSIS REQUEST FORM     Page / of / $M_{TC}$ $G_{T}$ $T_{C}$ $M_{TC}$ $G_{T}$ $T_{C}$ $M_{TC}$ $M_{TC}$ $G_{T}$ $T_{C}$ $M_{TC}$ $G_{T}$ $T_{C}$ $M_{TC}$ $M_{TC}$ $M_{TC}$ $M_{TC}$ $G_{T}$ $T_{C}$ $M_{TC}$ $T_{C}$ $M_{TC}$								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	HOUSE     ANALYSIS REQUEST FORM     Page $\_$ of $\_$ Analysis     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	NOUS     ANALYSIS REQUEST FORM     Page $\angle$ of $\angle$ Import $\bigcirc$ <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Image: Sector of the secto								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Multiple     Multiple     Analysis REQUEST FORM     Page _ of _       Analysis for the state of								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	MULT         ANALYSIS REQUEST FORM         Page of           Analysis         Barray								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	MALYSIS REQUEST FORM     Page $\angle$ of $\angle$ Mark Sister     Bark American and a state of the state o								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ANALYSIS REQUEST FORM     Page / of / $M_{LC}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $M_{LC}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $M_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $M_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $M_{L}$ $M_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $S_{L}$ $U_{L}$ $M_{L}$ $M_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $M_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $M_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $M_{L}$ $M_{L}$ $S_{L}$ $M_{L}$ $M_{$								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	AMALYSIS REQUEST FORM     Page $\_$ of $\_$ Analysis     Barrows       Barrows     Barrows								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	MUDY     ANALYSIS REQUEST FORM     Page $\angle$ of $\angle$ Arrow     Image: State of the state o					¢.		æ	3 polu 4-1
Consist & Company Name     Tempone     Tempone     Tempone     Tempone     Tempone     Tempone       M(1) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	NUC     ANALYSIS REQUEST FORM     Page $\angle$ of $\angle$ Analysis REQUEST FORM     Page $\angle$ of $\angle$ Some state       Analysis Request for $A$ $A$ $A$ An	1 SD			v				11004
Samplering         Name         Telephone         Te	MARTINI     MARTINI     Page _ of _       ANALYSIS REQUEST FORM     Page _ of _       Analysis     Balance       Analysis					s 3	2	4-8-10	7B040810
Consult A Company Name     Telephone     Telephone     Description       Mail S. Lo. J. March 1     Array 1     Consult A Company Name     Consult A Company Nam     Consult A Company Name     Consult A Compa	ANALYSIS REQUEST FORM     Page of       Analysis REQUEST FORM     Page of       Analysis REQUEST FORM     Page of       Analysis Request for an intervent of the second	REMARKS			12 4/	00000000000	Type(v)	Collection Date Time	Sample ID
$ \frac{\operatorname{Constart A Company Wanne}}{\operatorname{M}(0^{1} S_{1}, 2^{1}), \operatorname{M}(1, 2^{1}), $	NUC     NALYSIS REQUEST FORM     Page of       ANALYSIS REQUEST FORM     Page of       Analysis     Page of       An			1	100		ſ		~ /
$ \begin{array}{ c c c c c c } \hline ConvactA Company Warner & Telephoner & Telephoner & Telephone & Tele$	Image: Second secon				/ <b>.</b> . /		0410.000		1 State) / Stat h profe
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	MOD     ANALYSIS REQUEST FORM     Page of       Anno./:::::::::::::::::::::::::::::::::::			VAME/IER/A					State
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	INDUX     ANALYSIS REQUEST FORM     Page $\angle$ of $\angle$ Marcing     Base of the product	Editoria Editoria			containe information	U		1	1. Los proves agree and
Connact& Company Name:	ANALYSIS REQUEST FORM Page _/ of _/				2022.8183			Fax	11
	ANALYSIS REQUEST FORM Page_	eservation key Co					1.25.46	Telephone:	

Contact & Company Name: $M \in P_{1}(x, 0) = \frac{1}{20} = \frac{1}{2} \int AV f(u) d(x) d(x) d(y) d(y) d(y) d(y) d(y) d(y) d(y) d(y$	shane:	24-76-00	Brassyvative Sillered (C) # of Containere	1 1				B HC	onves Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppo
ntigtun Ricch Suite 150	6-3) - 24 4 - 76 10	7610	Containe: 40	ARAMETER ANALYSIS & METHOD	RANALYS	IS & METH	OD	FF Other	4 Stormillenatic 5 (Elicole 6 Zoz Class 7 4462 Class
la-lunci	Project#: NY NY DOMY / 6.04/2.	W/2. Car 2						H- Other	an Office an Office 1020 there
	pler's Signature:							Matrix Key	SLASHORE SV Sample
eID	Collection 1	Type (C) Matrix	102 AS			$\langle \rangle$		REMARKS	A-Ar Office
TB041212	( , , , , , , ) / ·								
CTE-WG									
61-3422	<	V V							
								14 14	
special instructions/comments:					U special QA/QC instructions(*):	instructions(v.):			
taponaji/vojradu	ndiReceipt oler Custody Seal (19)	Prin	1001		Received By Printed Name	ved By	Printed Name:	Relinquishedi By Name	Printed Name
1. 2. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			$\frac{2(X+1)}{X}$		Sionalure		Sonahire		Signature
		Sign Strategy Sign	signature /		Signalure.		Signature		Signature
	Sample Receipte	Fimi	Arres S		FimilCounter Foundary		Firm/Courier		Firm.
Shipping Tradking #: ////////////////////////////////////					A THE AND A				

Sbuip	iona i	ANA	70	EST FORM	Real 2013	Page 1 of 1		
Contact & Company Name: M. 2. C. C. L. C. L. J. J. A. M. C. S. J. L.	Talephone							Keys Containen information Key If a Numbrid
Relind Saturd (4)		7610	Containera : onlaite					Contraction Contraction Contraction Contraction Contraction
CAL VERIER CON	E-mail Address		PARAMETER	ETER ANALYSH	ANALYSIS & METHOD	0	George Street	6 202 Glass 402 Glass 6 802 Glass
M-2/Dotto	Project #:		NOCS ND				H OUT T	Contract Vin MyErro
nple	Collection Type	(v) Matrix	FCL ASP 2	1 1	L L	1	REMARKS	(Transmission)
0161 hogi		03						
EW-MJ	12:50							
C be-wy	3141	111	4					
		*						
Special Instructions/Comments:				Special QA/QC Instructions(//):	structions(*);			
Lab Name Lab Name Col (Loh ) A Acus H+ LA Sources Collect Collect Col (Loh ) A Acus H+ LA Sources	on and Receipt	Pinted Na	Projed Name SALVELICS Y A	Printed Name	dBy	Printed Name Pacel Veed By a second and Pacel Printed Name Printed Nam		ICAboratory Received By Priled Name:
Sceler packed with ice (*)	Enintact PENN	ottintact Signature	, ,	Signature		Signature	Signature:	
Specify Tumaround Requirements:	Sample Receiption 19	Film	Arcodis	Firm/Counter		Firm/Counter:	Eimi	
	Condition/CoolersTemp	Date/Time:	lentime Lu // 4/ 40. / 7/22	S S	2	Date/Time:	Date/Time	

SIS REQUEST FORM Page of t	Signaure: Errar Daterfinite:		1.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2//								
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Signature:	Date/Time	с 0	(Time:	Date			Date		Cooler Temp	Condition			Shipping Tracking #:
Margin     ANALYSIS REQUEST FORM     Pag L of L       Image: State of the stat	Signature		X	1.1		5.0	mead			e elt				Star of as
$ \begin{array}{ c c c c c c } \hline \text{MALYSIS REQUEST FORM} & \text{Page } of f \\ \hline $	Signature	EimiCourier		Suiter		ſ	$\times_{I}$							7
Mader     NALYSIS REQUEST FORM     Page $\downarrow$ of $\downarrow$ Image: State of $\downarrow$ and $\downarrow$		Signature		ilure:	nðis Siðu		ature	ale sign	🖂 Notinta	8	etuli 🗇	San 1/2	d with ice (Y)	Cooler packe
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	70	Printed Name:		od Name:		×		Print		stody Seal	O deleto		Andrews	ab Name:
Market         ANALYSIS REQUEST FORM         Page 1 of 1           Image: Status         Status <td></td> <td>Relinquis</td> <td>ad/By</td> <td>Racely</td> <td></td> <td>iodished/BV</td> <td>Ral</td> <td></td> <td></td> <td></td> <td>omand Race</td> <td>Solation Informat</td> <td></td> <td></td>		Relinquis	ad/By	Racely		iodished/BV	Ral				omand Race	Solation Informat		
$ \begin{array}{ c c c c c } \hline \text{MALYSIS REQUEST FORM} & \text{Page } of \downarrow \\ \hline \text{MALYSIS REQUEST FORM} & \text{Page } of \downarrow \\ \hline \text{MALYSIS REQUEST FORM} & \text{Page } of \downarrow \\ \hline \text{MALYSIS REQUEST FORM} & \text{Page } of \downarrow \\ \hline \text{MALYSIS REQUEST FORM} & \text{Maly } of \downarrow of \downarrow c \\ \hline \text{Male states} & \hline \ \ \text{Male states} & \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Istructions(√):	ecial QA/QC In	s .								ons/Comments:	Special Instructi
$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
and type     MALYSIS REQUEST FORM     Page $\pm$ of $\pm$ $a_1, b_1, b_2, b_3, b_4, b_4, b_4, b_4, b_4, b_4, b_4, b_4$														
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
and the second seco												· · ·	· · ·	
$ \begin{array}{ c c c c } \hline \mbox{matrix} & matrix$												,		
and for the second														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							N 8				· · ·			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
and LYSIS REQUEST FORM     Page $1$ of $1$ and $1$ memory     memory $2, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (2, 1 - M, L', 7, L')^2     memory       3, 1, (1/A, M, L')     (1/A, M, L')^2 (1/A, M, L')^2 M^{(1/A)} M^{(1/A)} $														
and the set of														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Ś		THE STATE	4-16-10		シシワン	GM-
Number     Image of provide the second								3	5		4-16-1		1610	TBOU
$ \frac{\operatorname{analysis}}{\operatorname{analysis}} = \frac{\operatorname{analysis}}{\operatorname{analysis}} + \operatorname$	REMARKS						NO NO	inditi's	omp Grat	e	Date		Samplein	
withings     Image of the property o	W. Water St. Shoge St. Shore St. Sho						$\sum_{i=1}^{n}$		Type (~)	tion	Colle	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
widings     Telephone     ANALYSIS REQUEST FORM     Page _ of _       e     Fair (////////////////////////////////////	Matrix Keya Sedmont NL WALLS					40	$a_{c}$	73 W	<u>ощо, t</u>	alline	Sampler's Sig	1 Bertypos	no:	ampler's Printed Na
widings     Telephone     ANALYSIS REQUEST FORM     Page $\perp$ of $\perp$ e     respective $0 + 1 + 2 + 2 + 5 + 2 + 2 + 5 + 5 + 2 + 5 + 5$	Hu Other States States				$\langle \rangle$						Project #:	MC (1		roject Name/Locatio
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		OD	S & METH	ANALYSI		PAR					E-mail A	diz diz	Slate	<u></u>
$\frac{\operatorname{undergy}}{\operatorname{constraint}} = \frac{\operatorname{constraint}}{\operatorname{constraint}} = \frac{\operatorname{ANALYSIS REQUEST FORM}}{\operatorname{constraint}} = \operatorname{constraint} $	5 M / 1 / 1 / 1 / 2						Containe Sintomation	°	- 76.	1-249		I Sa Loste	with white	
	Horizania and Andreas and A Andreas and Andreas and Andre Andreas and Andreas and Andr					ະ ນ	Elferedi	5	220	5-16		Arris	1 Remett	2
	Keys						Preservativ				Telephone:		any Name:	Contact & Comp
					UEV I	S Z Z Z Z Z Z Z	ALYS	AN.					iment, buildings	rastructure, enviroi

infrastructure, environment, buildings	<b>CC4</b> 0		ANALY	ANALYSIS REQUES	QUEST	FORM		Page <u>/</u> of/	of/	
S Meligh Read / Arachs	Telephone:	631-245-7600	File						Preservation K	Kays Container information Key t - 40 mil/14
Re 2 Huntington Speed Swith 1500	Fax 631-2	631-249-7610							D NGC	2 gL Ander Zöpmi Plaste 4 Stomiglaste
$\frac{Set}{N_{c}} = \frac{1}{2} \frac{1}$	E-mail Address:			PAF	PARAMETEI	RANALYS	RANALYSIS & METHOD	//		A triving of the second s
	$\frac{Ret \langle f_{V,V_{C}}   \mathcal{B}_{V} \rangle \mathcal{U} \langle \mathcal{B}_{V} \rangle \mathcal{U} \langle \mathcal{B}_{V} \rangle \mathcal{U} \rangle \mathcal{U} \langle \mathcal{B}_{V} \rangle \mathcal{U} \rangle}{Simpler's Signature:} $			/ c		X			H Other was	3. Other
ins /Some		1		122		1			/ so sol	SESSedmen NL NAPL SESSUDD SW Sem
Sample ID	Collection ···	Type(*)	Matrix /	ت الأساه					REMARKS	Sector Sector
73041510	V 18- 0920	2	j I							
GM-7602	346	2	1							
						an a				
Special Instructions/Comments						Special QAVQC	Special QA/QC Instructions(*/):			
and the second	on and Receipt			Reimquishediby		RacelyedBy	yed By	R	Keilnaulshed By Transie (	and the second se
astrone the formation of the second of the s	ec Voolsing Jalooo		MU15	nd Xu	2	The second s		Autor Column		
Cooler packed with loe ( $\checkmark$ )	<ul> <li>Intact</li> </ul>	Divolnat	Signature	10-	<u>8</u>	Signature		Signature	S	Signature:
Specity Turnaround Requirements:	Sauli (Secolo)		Elm F	e k	<u>,</u>	- Hedex	×	Firm/Couner:	ning in the second s	
Shipping Tracking #: Y	Condition/Cooler Jr		Date/Time:	<b>)</b>		Date/Time:		Date/Time:		Date/Time

ARCADIS Infrastructure, environment, buildings	1660 <i>h</i>		CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM	LABORATOF ST FORM	NTORY Page of _	I do Work Oldor #
ARCADS	1000 631-249-7600	7-7600	Providence HC1			Prantikova Prantikova Andresov
2 HONTENETON QUAD	631-249-7610	-7610	Contraction of the second seco			
Chy MEWITTE State 220	E-mail Address:			TER ANALYSIS & METHOD	METHOD	
marty	NU 20149	NY 001496,0410.0002	2 /2 22	1 1		H, Official States of Office
S. UTUTAMS	Sampler Signage	x &	/ & &			Matrix Key So Solly SE Seument
Sample ID	Gollection	e(S)	1000 100 100 100 100 100 100 100 100 10			REMARKS
GM-210	4/19					
212. WS	4//6		3			
GM-202	4/20		3			
6~20T	4.200		SN .			
DESCHARGE HED	4-20		V			
13 4-19-20-10	49		<b>W</b>			
				N.		
		u der more				
				•		
			/			
Special Instructions/Comments:			<b>,</b>	Special QA/QC instructions(//):	ons(*):	
ab Name:	htomator(and Recalibit	A Contract of the second se	ind Name APICH N-1/APIT product	Prijed Name:		Protect Name: Printed By: 2014 Printed Name:
Cooler packed with ice (x')	a [a] Intacl	District Se		Signature:	Signature	Signature:
Specify Turnaround Requirements:	sample Receipt	<u></u>	APCADES	Firm/Courier	Firm/Couner.	Firm
Shipping Tracking #:	Geriditon/GoolersTerr	Dar Dar	Date/Time:	Date/Time	Date/Time	DateTime

Number     IBU?     ANALYSIS REQUEST FORM     Fage $L$ of $1$ Matching $M_{11}$ $M_{11$	Instructions(/):				ane: Joser packed with ice/() y Turnaround Requirpments: Charles ()
IbbU2         ANALYSIS REQUEST FORM         Page _1 ot 1           And Lysis Request FORM         Page _1 ot 1         Image: Comparison of C	Istructions(/): Signature Signature Signature Signature				ial Instructions/Comments:
IbbU2     ANALYSIS REQUEST FORM     Page $I$ of $I$ $A_1 I_1 U_0 J_1^2$ $B_1 I_1 V_0 J_1 - f_0 J_1^2$ $B_1 I_1 V_0 J_1 - f_0 J_1^2$ $B_1 I_1 V_0 J_1 J_1 J_2 J_0 J_1 J_1 J_1 J_1 J_1 J_2 J_0 J_2 J_1 J_1 J_2 J_1 J_2 J_2 J_2 J_1 J_1 J_2 J_1 J_2 J_2 J_2 J_1 J_1 J_2 J_1 J_2 J_2 J_2 J_1 J_1 J_2 J_2 J_2 J_2 J_2 J_2 J_2 J_2 J_2 J_2$	Printed Name:	[양광양] 🐻 [양양 전 집 같은 말 같이 다 개발 것 [ 그리 그 것 같이 같이 다 [ 그 집 같이 ]			ial Instructions/Comments:
IbbU2         ANALYSIS REQUEST FORM         Page _ L of 1           Analysis requires _ b	No.         No. <th>📓 활동은 것 같은 것 같이 못 했는 것 같아요. 이 문 이 같이 ?</th> <th></th> <th></th> <th>ial Instructions/Comments:</th>	📓 활동은 것 같은 것 같이 못 했는 것 같아요. 이 문 이 같이 ?			ial Instructions/Comments:
IbbU2         ANALYSIS REQUEST FORM         Page _ / of _           Arr reads         b         b         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c         c </td <td></td> <td></td> <td></td> <td></td> <td>ial Instructions/Comments:</td>					ial Instructions/Comments:
IbbU2     AMALYSIS REQUEST FORM     Page _1 of _ $Arrow     B B B B Arrow     Arrow     Arrow     B B Arrow     Arrow     Arrow     B B Arrow     Arrow     Arrow     Arrow     Arrow       Arrow     Arrow     Arrow     Arrow     Arrow     $					
IDDU2     ANALYSIS REQUEST FORM     Page 1 of 1 $Arrent     asl_{1} remains     b b b asl_{1} remains     b b b b asl_{1} remains     b b b b asl_{2} remains     b b b b b asl_{2} remain$					
IbbU2     ANALYSIS REQUEST FORM     Page 1 of 1 $A_{II} (p_{ab} f_{ab}^{c})$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $A_{II} (p_{ab} f_{ab}^{c})$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $a_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$ $B_{ab}^{c}$					
IDDU2     ANALYSIS REQUEST FORM     Page     of       Anr parts $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{10000}$ $\frac{1}{100000}$ and $\frac{1}{1000000}$ $\frac{1}{10000000000000000000000000000000000$					
IDSU2     ANALYSIS REQUEST FORM     Page of $Analysis     Request form     Page of       Analysis     Request form     Page       Analysis     V     V     Page$					
boundary     ANALYSIS REQUEST FORM     Page 1 of 1       Arr ( $1/2/3$ $6/31 + 7603$ unware $3/2$ unware $3/2$ unware $3/2$ $1/2/3$ $6/31 + 7603$ unware $3/2$ unware $3/2$ unware $3/2$ $1/2/3$ $6/31 + 74/2 - 7603$ unware $3/2$ unware $3/2$ unware $3/2$ $1/2/3$ $6/31 + 74/2 - 7603$ unware $3/2$ unware $3/2$ unware $3/2$ $1/2/3$ $1/2/2 - 7603$ unware $3/2$ unware $3/2$ unware $3/2$ unware $3/2$ $1/2/3$ $1/2/2 - 7603$ unware $3/2$ unware $3/2$ unware $3/2$ unware $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $3/2/3$ unware $3/2/3$ $3/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $3/2/3$ $3/2/3$ $3/2/3$ $3/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $3/2/3$ $3/2/3$ $3/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $1/2/3$ $3/2/3$ $3/2/3$ $1/2/3/3$ $1/2/3$ $1/2/3$					
IDDU2     ANALYSIS REQUEST FORM     Page _1 of _1       Alt( $yab_{3}^{L_{3}}$ $b_{3}^{L_{3}}$ $ybb_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $ab_{3}^{L_{3}}$ $b_{3}^{L_{3}}$ $ybb_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $ab_{3}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $ab_{3}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{3}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$ $b_{4}^{L_{4}}$					
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					
IDDU2     ANALYSIS REQUEST FORM     Page 1 of 1 $Analysis     \beta					
IDDU2     ANALYSIS REQUEST FORM     Page 1 of 1       Analysis     Barrow     Barrow     Barrow     Barrow     Barrow       And Sin to 15 $W_1 - 76\omega$ Second     Second     Barrow     Barrow       And Sin to 15 $W_1 - 76\omega$ Second     Second     Second     Second       And Sin to 15 $W_1 - 76\omega$ Second     Second     Second     Second       And Sin to 17 $W_1 - 76\omega$ Second     Second     Second     Second       And Sin to 25     Consume     Barrow     Barrow     Barrow     Barrow       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Second     Second     Second       And Sin to 25     Second     Second     Secon					
IDDU2     ANALYSIS REQUEST FORM     Page _ 1 of _ 1 $A H(y, d, \zeta)$ $\frac{1}{10}$ $\frac{1}{$					
Interview     Inte					
IDBU2     ANALYSIS REQUEST FORM     Page 1 of 1       And Contract     Page 1 of 1     Page 1 of 1       And Contract     Page 1 of 1     Page 1 of 1       And Contract     Page 1 of 1     Page 1 of 1       And Contract     Page 1 of 1     Page 1 of 1       And Contract     Page 1     Page 1       And Contract     Page 3     Page 3       And Contract     Page 3       And Contract     Page 3 <tr< td=""><td></td><td>C</td><td></td><td></td><td></td></tr<>		C			
Interview     ANALYSIS REQUEST FORM     Page       Analysis REQUEST FORM     Page     of       Analysis Request     State     State       Analysis Request     St					
IOGU2     ANALYSIS REQUEST FORM     Page 1 of 1       Arrs $631 - yu q - 76ax$ $\frac{venouse}{venouse}$ $3$ $\frac{venouse}{venouse}$ $3$ $4rrs     631 - yu q - 76ax \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 ae 5rrs     631 - yu q - 76ax \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 ae 5rrs     631 - yu q - 76ax \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 \frac{venouse}{venouse} 3 3rrs     631 - yu q - 76ax \frac{venouse}{venouse} 3 \frac{venouse}{venouse} \frac{venouse}{venouse} \frac{venouse}{venouse} \frac{venouse}{venous$	REMARKS	Station and a	ab	ā O	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Autora Key So Solution Matrix Key So Solution Marrix Key Se Sectored Marrix Key Se Sectored Marrix Key Se Sectored Marrix Key Se Sectored Marrix Key Se Sectored Marrix Key Se Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored Sectored	UDCS 2000	's, zovoz	H (D)/4.96. JV/ Sampler's Signature:	nis B
Analysis Request FORM Page 1 of 1 Anc $\frac{16502}{51 - 7602}$ ANALYSIS REQUEST FORM Page 1 of 1 Anc $\frac{1}{51 - 7602}$ Encodes $\frac{1}{51 - 7602}$ Enc					ChUI IN
ANALYSIS REQUEST FORM Page $1 \text{ of } 1$	Grindon (Grindon) (Grindon		7 free	3	- then the same in to 101
ANALYSIS REQUEST FORM Page 1 of 1	HSQ1		5600	- pv9-	S/Arrowly
	Page // of	ANALYSIS R		2000	

Project	Northop	Eramo		01x 96.0410, m	ν» <u>Σ</u>	Page	<u> </u>	
Site Loo	ation <u>t</u>	et pa	gr, NT		Date	8/12	113	
Site/We	II No. Mu	$-1C_{x}$	Replicate N	o. <u>NA</u>				
Weathe	er <u>Olom</u> e	<u>L, 81</u>	<u></u> Sampling T	ime: Begin	End	<u></u>		
Evacua	tion Data			Field Parameters	ł	IV	2V	3V
Moscur	ing Point		C cr	Color (	to In Cars	6 polass	Coladass	Chlen
	d Well Depth (ft bmj	) )	.68	Odor	nons	rone	house	how
	o Water (ft bmp)		41.26	Appearance	clea	<u>clear</u>	clear	clen
	o Packer (ft bmp)							
•	Column in Well (ft)				<u> </u>	1V	<u> </u>	3V
	Diameter		4"(0.65).	pH (s.u.)	6.92	6.29	5.97	5.73
Gallons		<u></u>	10.9	Conductivity				
	Pumped/Bailed		x 3	(mS/cm)				
	Prior to Sampling		32.7	(µmhos/cm)	282	265	253	252
Sample	Pump Intake Setting (ft bmp)			Temperature (°C)	18.2	17.3	17.V	12.5
Packer f	Pressure (psi)							
	g Rate (gpm)			DO (mg/L)		ļ		
	ion Method			Turbidity (NTU)	14.4	7.97	6.68	6.09
	g Method			Time	219	1224	12.29	1236
Purge Ti	-	Begin / 2	2.1.9 End 1235	DTW (ft bmp)	• ]	-		
i dige ii		,						
Remarks		<u></u>		······	••••••••••••••••••••••••••••••	~~····		
		×						
Constitu	ents Sampled:	See COC	Sampli	ng Personnel: <u>6</u>	any Wi	Thams	/ Sunmy	Xu
	Well Casin	y Volumes						
Gal./Ft.	$1^{1/4*} = 0.06$ $1^{1/2*} = 0.09$	2* = 0.16 2-½* = 0.26	$3^* \approx 0.37$ $3 - \frac{1}{2}^* = 0.50$	4" = 0.65 6" = 1.47				
bmp °C ft gpm mg/L	below measuring poin Degrees Celsius feet Gallons per minute Miligrams per liter	t mS/cn s.u. NTU N/A C OC		umhos/cm M	blatile Organic ( icromhos per ci			

Site Loca	<u>Alorthinp</u> G	Berth	pope,	MY.		Date _	8/12/	13	
Site/Wel		<u> -26</u>		Replicate No.					
Weather	r <u>Airo</u>	hy	<u>91°/-</u>	Sampling Time:	: Begin	End		• 	
Evacuat	ion Data				Field Parameters	· · ·	١V	2V	3V
Measurir	Roint		70	)C	Color	Culorles	Colorles	Colorfage	Co (sz. 6
	l Well Depth (ft bm)	-)	<u>s</u>		Odor	pone	h and	hone	heard
	o Water (ft bmp)	J	71.	70	Appearance	c. Can	cler	cleap	Clar.
•	p Packer (ft bmp)				. 41				
•	olumn in Well (ft)					I	1V	2V	3V
		—	41	(0.65)	pH (s.u.)	6.61	1,59	6.09	6.30
Casing D			105		Conductivity	<u></u>			
Gallons i			<i>10</i> X		(mS/cm)				
Gallons H	Pumped/Bailed		31.	-	(µmhos/cm)	32A	365	378	377
-mala B	Prior to Sampling Pump Intake			<u> </u>	(printion and	<u>~~~()</u> / 0	<i>.</i>		
sample r	Setting (ft bmp)				Temperature (°C)	<u> </u>	16.7	16.3	(6.3
Packer Pi	ressure (psi)					,			
	Rate (gpm)				DO (mg/l)				
	on Method				Turbidity (NTU)	4.72	19.4	14.9	18.3
	Method				Time	1301	1306	BIL	1347
orge Tin		Begin	Ēr	nd	DTW (ft bmp)				
emarks:									
onstitue	ents Sampled:	See COO		Sampling	Personnel:	Gange	Stillian	3 / Sum	‡ Xu
al./Ft.	Well Casin 1 <sup>1/4</sup> = 0.06	g volume 2" = 0,16		= 0.37	4* ≈ 0.65				
	$1^{1/2} = 0.09$	2-1/2 = 0		1/2" = 0.50	6" = 1.47				
c t pm	below measuring poin Degrees Celsius feet Gallons per minute Miligrams per liter	nt mS s.u. NTI N/A C O	Standar U Néphelo Not App	metric Turbidity Uni	umhos/cm	Volatile Organic C Micromhos per ce			

Project	NG	<u> </u>		Project No. 🕢	(w) 1496, e 41	and Zoo	Page_	of	
Site Loca			rage,	NT	·	Date	8/1	113	
Site/Wel	••••	FW-		Replicate N	o. <u>NA</u>		,		
Weathe	<ul> <li>(7)</li> </ul>	<u> </u>	39.2	Sampling Ti	me: Begin	End			
Evacuat	tion Data				Field Parameters	Brortin.	1V	2V	зV
Moncuri	ng Point			TOC	Color >	iettante	Vettering to	better,	bran
	i Well Depth (ft bm	n)		hu		none	houl	Maria	MOLE
	o Water (ft bmp)	٣/	eren .	1,48	Appearance	cloudy	clouds	dardy.	c lowely
•	o Packer (ft bmp)			2			)		
	olumn in Well (ft)			<u>, . C Z</u>		1	<u>1V</u>	2V	3V
	Diameter		2	10,16)	pH (s.u.)	9.13	9.26	9.18	3.98
Gallons i		•	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Conductivity				
	Pumped/Bailed	•	7	3	(mS/cm)				
Janonsi	Prior to Sampling			6.	(µmhos/cm)	180.2	1873	188.0	180.6
ample i	Pump Intake	•					- 0	56	17.5
	Setting (ft bmp)	-		<u></u>	Temperature (°C)	11.4.	17.9	1715	1/c-J
acker P	ressure (psi)			<u></u>					
umping	ı Rate (gpm)	-			DO (mg/L)				
vacuatio	on Method	-			Turbidity (NTU)			<u></u>	240
ampling	g Method	_			Time	13:49	<u>1351</u>	1353	1353-
Purge Tir		Begin		End	DTW (ft bmp)		 		
emarks:		we	11 /	ak is	missing				
					······				
[onstitue	ents Sampled:	See C	DC	Sampli	ng Personnel:				
	Well Casir								
ial./Ft.	$1^{1/4*} = 0.06$ $1^{1/2*} = 0.09$	2* = 0. 2-½* =		3" = 0.37 3-½° = 0.50	4* = 0.65 6* = 1.47				
C t Ipm	below measuring poi Degrees Celsius feet Gallons per minute Miligrams per liter	nt n s N	nS/cm Mi .u. Sta ITU Ne I/A No	lisiemens per centime andard units phelometric Turbidity t Applicable ain of Custody	ter VOC V umhos/cm M	/olatile Organic ( viicromhos per ce	Compounds entimeter		

Page \_/\_\_\_ of \_\_\_\_\_



Project	N	άC								
Project Numb	per NY001	496.2410.	<u> (nvo 2</u>	Site Location	<u>Pe</u>	Aprile.	NY	Well ID	<u>HN</u>	-24I
Date	1°1	8/6/12		Sampled By	En	any Dyllie	m/ Si	iny Xu		· · · · · · · · · · · · · · · · · · ·
Sampling Tim	ie	1		Recorded By		S	uny X	VVento		
Weather	<u> </u>	ing 8	1°F	Coded Replic			<u>ASD</u>			
Instrument Ide	entification	/				/				
Water Quality	Meter(s)	•				Serial #	ŧ		······	
Casing Materi	ial	a	-	Purge	Method	,	<u>men-dee</u>	licated 1	Redi-f	/.>
Casing Diame	ter	44		Screer	ı Interval (ft bm	ір) Тор		I	3ottom	. <u></u>
Sounded Dept	th (ft bmp)	····		Pump	Intake Depth (f					
Depth to Wate	er (ft bmp)	51.2	5	Purge	Time	Start	143	<u>6</u>	Finlsh <u>/ (</u>	<u>`≥/</u>
	·••····	······		Field Parameter	Measurement		g	1		Denth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1436	0	.410		23.3	7.7/	1940	164	732	: 	· · ·
1.441	2			20.5	7.17	1976	194	5.16		 
1446	(2		<u></u>	20.7	6.87	199.0	206	5.03		1-1.32
1451	- 18			21.5	6.42	235	216	4.22		
14.146	1.5			220	6.32	235	218	4.22	· · · · · ·	57.32
1501	25			23,0	6.07	236	222	4,57		
1506	\$ 2	· .		23.0	5-99	239	225	4.53		57.33
1611	15			22.6	5.83	2-35	>28	4.58		
1516	63			21.9	5.69	240	231	4.74		5-1.33
121	65	, V		21.9	5.65	240	233	4.72		
· · ·		-		/		, 		:	ł	
	·							: •		
					· .		-		<u>.</u>	· · · · · · · · · · · · · · · · · · ·
Collected Sam	ple Condition	<b>`</b> 1	Solor <u>(ala</u>	<u>e le ses</u>	Odor_	<u></u>		Appearance	c Cen	
Parameter	Gs 12592		Container 401-	104		No.		<b>_</b> .	Preservative	
		·		······			· · · · · · · · · · · · · · · · · · ·	••••		
PID Reading	·	•						_		
Comments								•		
-	······	·····								
•	•									
-										
() Circle one u	nit type									

۲



Page \_\_\_\_\_ of \_\_\_\_

Water Sampling Log

Project <u>NAC</u> Site Location Bithpage, NY Date <u>7-15-10</u>	
Site Location Bethpege, NY Date <u>7-15-10</u> Well No. <u>HN-40S</u> Replicate No. <u>NA</u> Weather <u>(lovely St</u> )	2
Sampling Personnel Grany Williams / Swotsampling Time: Begin End	
Purge Data Field Parameters	
Measuring Point (describe) TOC. Color (Joles colorles color	less
Sounded Well Depth (ft bmp) 59 Odor have hove hove hove	<u>re</u>
Depth to Water (ft bmp) 44.45 Appearance close close close Cl	Un
Depth to Packer (ft bmp)	
	<u>v</u>
Casing Diameter <u>x''(0.65)</u> pH (s.u.) <u>6.22</u> 6.05 1.78 5.1	· 9
Gallons in Well	
Gallons Purged X 3 (mS/cm) or	
Prior to Sampling (µmhos/cm) <sup>1)</sup> / (0, 6 (33, 2 120) /2	8.6
Pump Intake	
Setting (ft bmp) Temperature (°C) 20-6 [9.0 [8.7] [8	.7
Packer Pressure (psi)	
Pumping Rate (gpm) DO (mg/L)	
Evacuation Method non-declication Redi - 4/0 ORP (mV)	
Sampling Method 3 WV / low-flow Turbidity (NTU)	
Purge Time Begin 1422 End 1428 Time 1429 1438 14	48
DTW (ft bmp)	-
Remarks:	
Parameter Container No. Preservative	. <u>.</u>
TCL VDC, ASP 2000 AON VOA 3 HCI	
PID Reading	
Gai./Ft. $1^{1/4_{u}} = 0.06$ $2^{u} = 0.16$ $3^{u} = 0.37$ $4^{u} = 0.65$ $1^{1/2_{u}} = 0.09$ $2^{-1/2_{u}} = 0.26$ $3^{-1/2_{u}} = 0.50$ $6^{u} = 1.47$	

Page \_\_\_\_ of \_\_\_\_



			Low	-Flow Gro	undwater	Sampling	Log				
Project		NGC	-								
Project Number NOVN 496.0410.0002			- man 7.	Site Location bethpage, NY				Well ID HN-40I			
Date 7-15-10				Sampled By	Gan	W2 (/10	m / Su	noy Xu	- <b>v</b> - · · · ·		
Sampling Time				Recorded By		SUMM	Xu	/	· .		
Weather	dan	h /set	• •	Coded Replic	ate No.	1					
	<u> </u>	1104									
Instrument Ide	entification	1	. [.] 0.	1	<b>1</b>						
Water Quality	Meter(s)	See 1	alibrati	in she	T	Serial #	·				
Casing Materia	al			Purge Method			non. cled	Acticated Red: - flo 8 Bottom 18			
Casing Diameter 4			Scree	n Interval (ft bm	р) Тор	op		Bottom	118		
Sounded Dept	h (ft bmp)			_ Pump	Intake Depth (ft bmp)				• <u></u>		
Depth to Water	r (ft bmp)	44.	28	Purge	Time	Start	13:0	5	Finish	3:50	
		,	1	Field Parameter	Measurements	During Purgin	g				
	Minutes	Flow Rate	Volume	Temp	pH 2	Conductivity	ORP	DO	Turbidity	Depth to	
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)	
13		10.8	1	7	8.09	1912	96	8 V.			
13:05		Ko		201	0,09	171.2	10	J.K/	:		
13:10				20.3	7.84	191.8	102	8.54			
3-15				190	7.94	1020	122	7.9/		4432	
13120		·			Ka1		137	7.81			
			· · · · ·	17.	4.11	171.5					
13:25		. <u></u>		19.2-	6.63	193.3	\$13	7.73			
13:30				19.2	6.44	193.2	167	7.73		44.34	
13235				19.3	6.32	186.9	174	7.58		,	
137 40		· .		1				7.63			
1)140		5		19.5	6.18	190.0	182		۰ ۲		
12:45		-		19.4	6.0	188.2	192	7.53		44.35	
13:50				19.4	5.92	186.6	196	7.57			
		-		· / · / · · ·				:	1		
	·····		<u> </u>			`			<u> </u>		
				<u> </u>				<u>,</u>		<u> </u>	
			ſ			-					
		· · · · · · · · · · · · · · · · · · ·							l.		
L				<u> </u>	<u>]</u>	L			rlen	<u>t</u>	
Collected Samp	ple Condition	٧	Color_Colo	des_	Odor_	<u>har</u>	<u></u>	Appearance_			
Parameter	AcDo	<b>6.</b>	Container	• • • •		No. B	. 4		Preservative		
ICL VVC	5 AST 1000	, ,	.40ml	VOM	-			· -	<u>_pv</u>		
	<u></u>	• .	h		-	<u></u>					
		•.	<b></b>		-						
Reading _											
<u>ن</u> ه ک											
-					•						
-	·		· · ·								
	*****	·	•								
<	¢										
đ	OLFERT/Technical Fo	msi2006Vowflows4mp	formazia - Sheett						,		



Page	of	1
		7

Water	Sampling	Log
-------	----------	-----

		Project No.	NYOULY	696.041	0, our 2	<u> </u>
Site Location Bethpage	NY		Date	~	5-10	
Well No. HN- 42	S Replicate No	NA			oh / 85	°P-
		· <u>_/()</u>			11	1
Sampling Personnel 🕅 🗤 🛙	ians/Su King Sampling Tir	ne: Begin			End	
Purge Data		Field Paramete	rs		 1	
Measuring Point (describe)	TOC	Color (	Jorles	Colorless	Co sters	Gladers
Sounded Well Depth (ft bmp)	60	Odor	pre	none	none	pone
Depth to Water (ft bmp)	46.61	Appearance	clear	lon	Clean	c low
Depth to Packer (ft bmp)						
Water Column in Well (ft)	(3.39		1	1V	2V	3V
Casing Diameter	4" (0.65)	pH (s.u.)	9.69	9.1	8.45	7.80
Gallons in Well	8.7	Conductivity		•		•
Gallons Purged	×3	(mS/cm) or				
Prior to Sampling	26.1	(µmhos/cm)	<u> </u>	438	447	448
Pump Intake	¢.	Contraction of the second seco	~ 1	۵.,	10.0	
Setting (ft bmp)		Temperature (°C	c) <u>19.6</u>	19.16	18.5	(8,/
Packer Pressure (psi)	· · · · · · · · · · · · · · · · · · ·					
Pumping Rate (gpm)		DO (mg/L)	<b>Ø</b> .		ļ	
Evacuation Method		ORP (mV)		<u></u>		
Sampling Method		Turbidity (NTU)				
Purge Time Begin	10:10 End 11:14	Time	10:50	10:58	11:06	11:1X
		DTW (ft bmp)				l
Remarks:						
		· · · · · · · · · · · · · · · · · · ·				
Parameter	Container	No.			Preservative	÷
TCL VOLS ASP2000	40M VOA				<u>HCj</u>	
	······································					
PID Reading						
Well Casing Vo Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = =		4º = 0.65		. <u> </u>		
	$\begin{array}{rrrr} 0.16 & 3'' = 0.37 \\ = 0.26 & 3-\frac{1}{2}'' = 0.50 \end{array}$	4" = 0.65 6" = 1.47				

Page \_\_\_\_\_ of \_\_\_\_



NGC ou-2 Project tether age Well ID HA-42] Project Number 11001496 0410 0002 Site Location Gen SWANN XM 11111-7-15-10 Date Sampled By Sampling Time 1030 Recorded By unr NA Weather 851 Coded Replicate No. Instrument Identification catibration slout 902 Serial # Water Quality Meter(s) non - declicated Radi **Casing Material** Purge Method 4. 100 Bottom **Casing Diameter** Screen Interval (ft bmp) Тор Pump Intake Depth (ft bmp) Sounded Depth (ft bmp) 9:45 10:30 Finish 4 ۴. U Purge Time Start Depth to Water (ft bmp) Field Parameter Measurements During Purging Depth to Conductivity ORP DO Turbidity Minutes Flow Rate Volume Temp pН (umhos)r Water Time (NTU) (s.u.) (mV) (mg/L) Elasped (mUmiln) Purged (°C) (ft bmp) mS/cm)<sup>1)</sup> 7.56 lΙ 14 0 18.8 11. n 450 9 A 7.32 12.09 48 10 ŕ 18.81 378 45.0 ſ^ 20 12.1 1-1: 10 fa. 375 10200 (\* 7.1 10 20 ð 2 f20, 7.0 9 383 10:05 20 D. 8 7.03 09 6 10:10 25 20. CD 2 6.98 б 20 10:15 20. Ó 7. en 20. 10:21 25 455 6 2 45.99 93 451 6 40 1:25 20.8 2.11 95 6 6. 10:20 85 466 21.0 10 15 clear Color Colorders Odor Mone Appearance **Collected Sample Condition** Preservative Container No. Parameter Mel 40 ml WA TCL MCC AS PID Reading Comments .

ŧ

Low-Flow Groundwater Sampling Log

1) Circle one unit type

GATECHNICLIWOUFERTATechnical Forms/2006/Jowflowsampforms.Ms - Shoet1

Project	Northrop	Gremman	Project No. <u>Ji Y O</u> V	1496.0410.0	2 400	Page	( of	
Site Lo	1.	Berthou	- NY		Date	7-22	3 - 10	
Site/We		1-MWO	4 Replicate No.	NA				
Weath	••••	<u>I</u> I	Sampling Tir	he: Begin $26$	4.0 pmEnd	0652-1	<u>5</u> m	
				Field Parameters	/	· • • •	1	
Evacua	tion Data				i	<u> </u>	<u>2V</u>	<u>3V</u>
Measur	ring Point	<u></u>	700	Color	COLORIES			COLORIES
Sounde	d Well Depth (ft bm	p)	56.50	Odor	5152 Hr			SISTER
Depth 1	to Water (ft bmp)		40.30	Appearance	CLEAM			CUM
Depth 1	to Packer (ft bmp)							2) (
	Column in Well (ft)	<b></b>	26.2			<u> </u>		<u> </u>
Casing	Diameter	<u>.</u>	:2" (0.16)	pH (s.u.)	5.84	6,01	6.10	6.09
Gallons			4.2	Conductivity				
	Pumped/Bailed		хz	(mS/cm)				1001
	Prior to Sampling		12.6	(µmhos/cm)	499	270	507	486
Sample	Pump Intake		•		120	1618	16,5	16.1
	Setting (ft bmp)			Temperature (°C)		1010		
Packer	Pressure (psi)	<u>e.,</u>						
Pumpin	g Rate (gpm)			DO (mg/L)	10	7112	2.68	3.1.3
Evacuat	ion Method			Turbidity (NTU)	<u> </u>	<u>Z.4D</u>		weeks we
Samplir	ig Method			Time	6:40	6:44	6:48	6:52
Purge T	-	Begin	End	DTW (ft bmp)				
Remark	S:							
Constitu	Jents Sampled: Well Casir	See COC	Samplin	g Personnel:				
Gal./Ft.	1 <sup>1/4</sup> = 0.06	2* ≠ 0,16	3" = 0.37	4* = 0.65				
04	1 <sup>1/2</sup> = 0.09	2·½° ≈ 0.26	3-1/2* = 0.50	6* = 1.47				
bmp ℃ ft gpm mg/L	below measuring po Degrees Celsius feet Gallons per minute Miligrams per liter	int mS/cm s.u. NTU N/A C OC	Milisiemens per centimete Standard units Nephelometric Turbidity U Not Applicable Chain of Custody	umhos/cm /	/olatile Organic C Micromhos per ce			
G:\T	ECHNICLIFIELD LOGS13 Vo	lume Purge Water 1	Sampling Log.XLS- Log					

Project	NGC on	4-2	Project No. 🔥	Yourabor 10.	nui 7	Page	1 of ]	
	,?	aces ."				7-28-10	<u>د</u>	
Site Lo			Replicate	No. KIA	·			
Site/W		-MWO	Sampling		 	oneg p	m	
Weath	er Sting	<u></u>	Samping	Time: Begin <u>653</u>	<u>/ /// End</u>			
Evacua	tion Data			Field Parameters	1	IV I	2V	3V
Moneu	ring Point		TOĊ	Color	Black	Black	Cololey	Colorley
	ed Well Depth (ft br		62	- Odor	nora	none	roue	hore
	to Water (ft bmp)	·P/	37.52	- Appearance	tuppid	cloudy	c lear	cla
•	to Packer (ft bmp)		24.48			/		
			24.45	-	1	1V	2V	3V
	Column in Well (ft)		2" (0.16)	- - pH (s.u.)	6.48	6.47	6.47	6.47
-	Diameter	<u></u>	¥	- Conductivity				
Gallons			× 3	- (mS/cm)				
Gailons	Pumped/Bailed		· 2	(µmhos/cm)	311	140.1	308	302
	Prior to Sampling			- (µmiosycin)	· .			
Sample	Pump Intake Setting (ft bmp)			Temperature (°C)	19.2	17.8	17.8	17.15
Deckor	Pressure (psi)	*******		-	-			
	g Rate (gpm)	<u></u>		- DO (mg/L)				
	-			Turbidity (NTU)	Er3	417	45.3	15.0
	ion Method			- Time	6-27	5:41	5:45	5:49
	ng Method		27 . P.100	- DTW (ft bmp)	2314-			/
Purge T	ime	Begin	End 5:49	- DTVV (It binp)		1	_ <u></u>	<u></u>
Remark	s:	·····						
	•							
			<b>6</b>	Vez Decembriali	· · ·	. I	· ·,* ·	
Constitu	uents Sampled:	See COC	Samt	oling Personnel:				
<u></u>	Well Casi	ng Volumes	·	<u></u>				
Gal./Ft.	1 <sup>1/4</sup> * = 0.06	2* = 0.16	3* = 0.37	4* = 0.65				
	$1^{1/2*} = 0.09$	2-1/2* = 0.26	3-1/2" = 0.50	6* = 1.47	·····			
bmp °C ft gpm mg/L	below measuring po Degrees Celsius feet Gallons per minute Miligrams per liter	int mS/cm s.u. NTU N/A C OC	Milisiemens per centim Standard units Nephelometric Turbidit Not Applicable Chain of Custody	umhos/cm N	olatile Organic (icromhos per c	Compounds entimeter		
			1 × 1		·			
G:\T	ECHNICLIFIELD LOGS13 V	blume Purge Water	Sampling Log XLS- Log					

Project NGC OU-2 Site Location Bethyony	Project No. <u>NY oo</u>	1996,0463.m	Date	Page_ 7-28-	( <sub>of /</sub>	
	Sampling Tim	e: Begin <u>/8</u>	<u></u>	1823	>	
Evacuation Data		Field Parameters	1	IV I	2V [	зV
Measuring Point _		Color	yellow	yellow	Colorles	Color les
Sounded Well Depth (ft bmp)	62	Odor	none	More	hone	hone
Depth to Water (ft bmp)	41.30	Appearance	(londy	cloudy	(budy)	clear
Depth to Packer (ft bmp)						
Water Column in Well (ft)	20.70		<u> </u>	1V	2V	<u> </u>
Casing Diameter	2" (0.16)	pH (s.u.)	6.57	6.52	6.KS	6.38
Gallons in Well	3.2	Conductivity	1			
Gallons Pumped/Bailed	¥ 3	(mS/cm)				
Prior to Sampling	9.6	(µmhos/cm)	165.5	162.5	170.8	167.6
Sample Pump Intake Setting (ft bmp)	/	Temperature (°C)	20.2	18.1	(7.9	17.16
Packer Pressure (psi)						
oumping Rate (gpm)		DO (mg/L)	1.0	()	(0)	212
Evacuation Method		Turbidity (NTU)	638	643	68.6	2.6.7
Sampling Method		Time	1814	(817	1820	(82)
Purge Time Begin	1814 End 1827	DTW (ft bmp)		<u> </u>	<u> </u>	<u> </u>
Remarks:						
Constituents Sampled: See CO		Personnel:				
Well Casing Volume		4° ≈ 0.65				
$\begin{aligned} \text{bal./Ft.}  1^{1/2*} &= 0.06 \qquad 2^* = 0.1 \\ 1^{1/2*} &= 0.09 \qquad 2^{-1/2*} = 0 \end{aligned}$		6* = 1.47	<u></u>	·····		
omp below measuring point mS C Degrees Celsius s.u t feet NT ppm Gallons per minute N/ ppd Miliorams per liter CC	U Nephelometric Turbidity Ur A Not Applicable	umhos/cm M	(olatile Organic ( Aicromhos per ce			

.

N/A Not Applicable Gallons per minute COC Chain of Custody Miligrams per liter

mg/L

Page \_\_\_\_\_ of \_\_\_\_



		1	Lov	v-Flow Gro	oundwater	Sampling	l Log			
Project Project Numb	er <u>Noc</u>	Northur 1496.041	<u>5 Grown</u> 0. 0002	Site Location	~	hpage,1	1 / .		N-10	
Date		8-10-1	2	Sampled By	(AA			anny K	<u>\$</u>	
Sampling Tim		0		Recorded By			lians/	Sahay	Χ	
Weather	_Clu	mely go	2/=	Coded Replica	ate No	NA		1		
Instrument Ide		J								
Water Quality	Meter(s)	· · · · · · · · · · · · · · · · · · ·	<u></u>	<u></u>		. Serlal #		0 0.	<u></u>	00
Casing Materi					Method		<u>10n - a</u> 190	<u>Cecl?cert</u>	<u>le of bl</u> Bottom_ <u>1</u>	211 211
Casing Diame					i Interval (ft bm		<u> </u>		Bottoin	<u>с</u> ,
Sounded Dept Depth to Wate		-8.11		- Pump Purge	Intake Depth (ft Time	Start	133	6	Finish /	431
	(			Field Parameter						//
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1336	0			33.9	8.92	145.3	82	7.58		2821
1341	£			28.0	8.76	171.5	31	7.64		- F
1346	10			24.8	8.70	178.4	-28	7.68		
1357	15			23.7	8.69	1842	-34	-1.72	ļ	
1356	2-0			221	777	1882	-40	7.77		
-1401-				27.8	8.92	17492	-49	7,84		40,10
1406	20			22.8	2,97	170.8	-38	7.92-	f	
14()	35			23.1	897	153.7	-16	7.98		41,05
1416	40			23.1	8.87	153.3	_4	7.99		
1421	45			239	8.87	MOR	<b>8</b> 33	8.04		1.1.65
1426	50			23.8	8.86	(38,0	34	2.03		
1431	55			23,8	8.96	137.(	35	8.02	<20	
			color <u>Color</u>	10 18	0.1				clears	
ollected Samp arameter <u>See</u> C	E Condition		Container			<u>/1 07.3-</u> No.	 	Appearance	Preservative	~
	·	`								
D Reading										
omments										
-									<u></u>	., i
—										· · · · · · · · · · · · · · · · · · ·



Project		ORTHROF					 . Y		at to	177
Project Numb	er <u>NY</u>	001496.04	<u>(D.00802</u>	-Site Location		hpage	<u>, N</u> 1	Well ID	N-10	621
ate		-10-10		Sampled By			Dillian	n_1		<u> </u>
ampling Time	»			Recorded By	(		Willian	nd		
Veather	·····		<u> </u>	Coded Replic	ate No.	NA'				
istrument Ide										
ater Quality	, ,					Serial		la dera te	l ble	elder.
asing Materia asing Diamet		4			Method n Interval (ft bm	p) Top	non-a	ledicate	Bottom 2	95
ounded Depti		<u> </u>			Intake Depth (fi		<i>\</i>			
epth to Water		33.0	<u>ſ</u>	Purge		Start	12:0	, N	Finish	1200 pm
i		m	· · · · · · · · · · · · · · · · · · ·	Field Paramete	r Measurement:		Ig	<b>1</b>	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L.)	Turbidity (NTU)	Water (ft bmp)
2100										33.05
12105					9.12	151.7	43	7.87		
12:10				19.5	9.95	151.0	-8,	8.05		
12:15				140	10,28	1501	-25	8.16		
1220				189	10.30	151.8	-57	8.15		
(2.25				19.6	4164	1704	-61	8.12		
(2:30				1905	10,05	150.6	-67	6.13		34,76
12:35					•••••	179.7.0				
12:40				19.8	10.27	102.7	-66	8.03		
(2:45				19,4	10.17	1321	-51	8.07		
(2:50		,		19.5	10.11	12801	-53	3.04		51.92
17:55				1916	10.01	1251	-41	8.06		
(:00				MI	9.8	1208	-46	7.95		
lected Samp	e Condition	l	color Col	rbie	Odor	none		Appearance	abar	
ameter			Container	<u> Annon an Anno /u>		No.			Preservative	
	· · · · · · · · · · · · · · · · · · ·				· ·			-	· · · · · · · · · · · · · · · · · · ·	
) Reading							<u></u>	•	<u> </u>	
mments	ph	MOTH	lizan	two-	born (	Antalla	1 war	X P	ROBE	Rom
	17:	00 AFO	M 4.	DI (An	233 6273					

L.

Project Northrop Grunnan Project No. NYOU	11896.0410.	Ονώ <u>)</u> Date	Page_	/ of /	
Site Location <u>Bethpage</u> , NY	NA				
Site/Well No. $\frac{h/-1063}{0}$ Replicate No.	•	 r1			
Weather <u>Sknw/90F</u> Sampling Tim	ne: Begin	End			
/ Evacuation Data	Field Parameters		iV I	2V	3V
Measuring Point <u>TOC</u>	Color	Colorles	Colorless	Colorbus	Colaless
Sounded Well Depth (ft bmp)6_7.	Odor	jus-2	Mone	Mars	none
Depth to Water (ft bmp)	Appearance	clar	clear	ilen	clean
Depth to Packer (ft bmp)					
Water Column in Well (ft)		<u> </u>	<u>    1V                                </u>	<u> </u>	<u></u>
Casing Diameter <u>2.11(0.16)</u>	pH (s.u.)	6.71	7.21	7.04	6.92
Gallons in Well	Conductivity			<i>'</i>	
Gallons Pumped/Bailed X 3	(mS/cm)				· · · · · · · · · · · · · · · · · · ·
Prior to Sampling	(µmhos/cm)	84.2	141.8	139.8	138.8
Sample Pump Intake		10			
Setting (ft bmp)	Temperature (°C)	16.8.	16.0	15.8	12.
Packer Pressure (psi)					
Pumping Rate (gpm)	DO (mg/L)	······	to a la		~ &
Evacuation Method Non-deducted neal)-fts	Turbidity (NTU)		43.9	20.8	17.0r
Sampling Method	Time	4:45p	· A: jup	4:53ph	Store p
Purge Time Begin 12445pmEnd OS200pm	DTW (ft bmp)		,	<u> </u>	<u> </u>
Remarks:					
	g Personnel: <u>(</u>	any wi	11Tams	/sunny	L Xu
Well Casing Volumes	4" - 0 6E				
Gal./Ft. $1^{1/2*} = 0.06$ $2^* = 0.16$ $3^* = 0.37$ $1^{1/2*} = 0.09$ $2^{-1/2*} = 0.26$ $3^{-1/2*} = 0.50$	4" = 0.65 6" = 1.47				
bmp below measuring point mS/cm Milisiemens per centimete °C Degrees Celsius s.u. Standard units ft feet NTU Nephelometric Turbidity U gpm Gallons per minute N/A Not Applicable mg/L Miligrams per liter COC Chain of Custody	r VOC Ve umhos/cm M	olatile Organic C licromhos per ce			

.

`



Low-Flow Groundwater Sampling Log

Project Number Date Sampling Time Weather	N <u>40014</u> 8	96.0410 -4-10	2-6RUM, 00002	Site Location Sampled By Recorded By Coded Replic		GW GW		Well ID	GM-	- 120
Instrument Ident Water Quality Me		•				Serial i	#			
Casing Material Casing Diameter Sounded Depth ( Depth to Water (f	ft bmp)		-	Scree	Method n Interval (ft bn Intake Depth (f Time				Bottom	
	Minutes	Flow Rate	Volume	Field Paramete Temp	r Measurement	s During Purgin Conductivity	g ORP	DO	Turbidity	Depth to
Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1}</sup>	(mV)	(mg/L)	(דעו)	Water (ft bmp)
11:40				22.2	7.88	158,4	178	1.08	-	42.11
11:45				22.0	6.06	154.4	201	1.07	· · · · · · · · · · · · · · · · · · ·	
11:50				22.0	6.07	153,1	203	1.03	:	
11:35		· · · · · · · · · · · · · · · · · · ·		22.1	5,53	1469	209	,99		
(2:00		2		22.1	5,54	146.9	210	199		
(2:05				22.2	5,51	146.1	210	1,02		42.14
12:10				223	528	145.2	214	.96		
12:05				22.3	5.38	144.8	214	,96		
(2:20		·		27.0	5.33	144.3	216	96	· ·	4213
12:25				27.0	5.33	144.1	216	.93		
12:30		! 		27.1	5,33	1440	217	.97-	<u>.</u>	
12:35				223	532	143:5	218	84	·	
12:40				223	5.31	143.9	219	,82	- 	
Collected Sample	Condition	X	Color COL	oruss	Odor_	NOVES	LEGHT	Appearance <u>(</u>		<b>`</b>
Parameter			Container			No.			Preservative	
					-	<u> </u>		-		
· · · · · · · · · · · · · · · · · · ·			<del></del>		-	<u>.</u>		<u> </u>		
PID Reading			-							
Comments						·····				
					<u></u>					
1) Circle one unit										

Page\_

\_ of \_\_

Project NGC 04-2 Project No. N	wr496 2413.	2000 <u>2</u>	Page_	of /	
Site Location Bethpape, NI		Date	7-28.	-10	
Site/Well No. GM-15S Replicate No.	NA				
Weather Super 95°F Sampling Time	e: Begin	£nd			
Evacuation Data	Field Parameters		IV <b>1</b>	2V	зV
Measuring Point 70C		Jorlea	Coolers	Colalen	Colorlans
Weasening Form	Odor 🔾	hone	Hone	hove	por
		clear	clean	clea	chan
Depth to Water (ft bmp) 41-29	Appearance	<u>cury</u>	Cother		
Depth to Packer (ft bmp)		1	1 <b>V</b>	2V	ЗV
Water Column in Well (ft) 38.7/			6.09	6.03	6.01
Casing Diameter <u>38-7+ 4*(&gt;.</u> 65		6.08	0.01	0.03	
Gallons in Well25	Conductivity				
Gallons Pumped/Bailed	(mS/cm)				111 - 1
Prior to Sampling75	(µmhos/cm)	323	.143.5	1448	142.1
Sample Pump Intake	~ (8C)	18.3	18.1	19:8	18.2
Setting (ft bmp)	Temperature (°C)	- The st	10.1		
Packer Pressure (psi)					
Pumping Rate (gpm)	DO (mg/L)	00			6.20
Evacuation Method non-olecticated Redi-flo	Turbidity (NTU)	7.13	12.1.1.1		0.00
Sampling Method $\frac{\partial WV}{\partial w - f \partial w}$	Time	1.4.34	15:73	1602	16:25
Purge Time Begin End	DTW (ft bmp)			1	
Remarks:	`				
	Personnel: Ga	int w///2	ens / Sur	iny Xu	
Well Casing Volumes	4° - 0 6F				
Gal./Ft. $1^{1/4} = 0.06$ $2^* = 0.16$ $3^* = 0.37$ $1^{1/2} = 0.09$ $2^{-1/2} = 0.26$ $3^{-1/2} = 0.50$	4* = 0.65 6" = 1.47				
bmp below measuring point mS/cm Milisiemens per centimeter °C Degrees Celsius s.u. Standard units ft feet NTU Nephelometric Turbidity Ur gpm Gallons per minute N/A Not Applicable mg/L Miligrams per liter COC Chain of Custody	umhos/cm Mi	olatile Organic C icromhos per ce			

.

G:\TECHNICL\FIELD LOGS\3 Volume Purge Water Sampling Log.XLS- Log

Project	NGC ou	-2	Project No. 📕	1.596.0410.000	2	Page	of /	
Site Loo	~ ~ ~ /	here, N			Date	7-28-	· to	
Site/We		1-15I	Replicate N	. <u>N</u> A				
Weathe	~	96°F	Sampling Ti	1	End			
	June							
Evacua	tion Data			Field Parameters	1	1V	2V	3V
Mossiir	ing Point		TOC	Color	Cololeas	Colorless	Colalers	
	d Well Depth (ft br	 (an	105	Odor	pore	none	none	
	o Water (ft bmp)		41.12	Appearance	clear	clear	clear	*
	o Packer (ft bmp)		94					
•	Column in Well (ft)		6 12		1	1V	2V	<u> </u>
	Diameter		4" (0.65)	pH (s.u.)	6.57	6.40	6.16	
Gallons			ALE AS	Conductivity	·			
	Pumped/Bailed			(mS/cm)				
Gallotte	Prior to Sampling		22.5	(µmhos/cm)	17.20	12.47	11.00	
Sample	Pump Intake			( <b>-</b> )	-211	201	20.3	
	Setting (ft bmp)			Temperature (°C)	23.4	20.6	10.7	
Packer I	Pressure (psi)							
Pumping	g Rate (gpm)			DO (mg/L)	<b></b>		1	
Evacuat	ion Method	<u></u>		Turbidity (NTU)				· · · ·
Samplin	g Method			Time	12:10	13:00	1325	
Purge Ti	me	Begin	End	DTW (ft bmp)			1	l
Remarks Constitu	ents Sampled:	24 - 41.13	<b>2) × 0.43 +</b> <sup>€</sup> Sampli	fo = 72 ng Personnel: $Gc$	·79 xny willio	ins / Sun	ng Xu	
	Well Casi	ng Volumes						
Gal./Ft.	$1^{1/4} = 0.06$	2" = 0.16	3' = 0.37	4* ∞ 0.65				
	$1^{1/2} = 0.09$	2-1/2" = 0.26	3-1/2* = 0.50	6* = 1.47				
bmp °C ft gpm mg/L	below measuring po Degrees Celsius feet Gallons per minute Miligrams per liter	sint mS/cm s.u. NTU N/A C OC	Milisiemens per centime Standard units Nephelometric Turbidity Not Applicable Chain of Custody	umhos/cm N	/olatile Organic Micromhos per c			
G:\TE	CHNICL/FIELD LOGS13 V	N X I solume Purge Water S	ampling Log.XL& Log					



NORTHROP-GRUMMAN Project WellID GM-15D NYDD1496.0410.000002 1SIJTHPAG Site Location Project Number - 13-10 Sampled By Date 0430 -54 Sampling Time Recorded By HД Coded Replicate No. Weather Instrument Identification calibration shout (el Serial # Water Quality Meter(s) تعان 6 من Purge Method **Casing Material** 222 34.2 4 Bottom Screen Interval (ft bmp) Top **Casing Diameter** ろう 2111 Pump Intake Depth (ft bmp) Sounded Depth (ft bmp) 30 Finish Depth to Water (ft bmp) Purge Time . . Start . Field Parameter Measurements During Purging Depth to Conductivity Turbidity DO ORP Flow Rate pН Minutes Volume Temp Water (umhos or Time (NTU) (mV) (mg/L) Elasped (mL/min) Purged (°C) (s.u.) (ft bmp) mS/cm) <sup>1)</sup> 3 62 43.26 450 <u>`2</u>  $\mathcal{D}$ 5 9 G, 3  $\mathcal{D}\mathcal{A}$ 4 L L 264 4,14 Ì 730 43,31 2 Ċ 20 Ľ D 1-4332 J 2 0043:22 3 υÚ 43,26 2 Ĺ 1 12.8 4:30 L Color COLORUSS Appearance CLF744 Odor NONE **Collected Sample Condition** Preservative No. Container Parameter **PID Reading** Comments

Low-Flow Groundwater Sampling Log



Project $NDRTHPOS$ $GRUM, MAt.$ $GM-ISD-2$ Project Number $NDIYSPLOS$ $GRUM, MAt.$ $GM-ISD-2$ Date $7-L3-1D$ sampled By $GUXX$ Weil to $TTTTCOME         Sampling Time       7-L3-1D       sampled By       GUXX       Weil to       TTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTTCOME       TTTTTCOME       TTTTTCOME       TTTTTTCOME       TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT$
Date $7.13-10$ Sampled By $6.0^{9} \times x$ Sampling Time
Sampling Time       Recorded By       GID         Weather       Coded Replicate No.       NA         Instrument Identification       Water Guality Meter(s)       See Codibration Steet       Serial #         Casing Material       Purge Method       Serien Interval (ft bmp)       Top       63.6       Bottom       54.5         Casing Material       Purge Method       Screen Interval (ft bmp)       Top       63.6       Bottom       54.5         Sounded Depth (ft bmp) $54.6$ Purge Intake Depth (ft bmp)       Finish       2 coor         Field Parameter Measurements During Purging         Time       Minutos       Flow Rate       Volume       Temp Purged       Conductivity (umbos or (msV))       ORP       DO       Turbidity       Depth to Water (ft bmp)         11S       4450       G. 12       1.350       18.7       2.4%       4% G.14         112A       So 57.8       11.1       2.05       1.4%       4% G.14         1130       11       2.2%       S.57       10.2%       2.3% G.7       4% G.14         1130       11       2.2%       S.32       10.0%       2.3% G.7       4% G.14         1130       1       2.2%       S.32       10.0%
Weather       Coded Replicate No. $\sqrt{A}$ Instrument Identification       See Chibration 5/ast       Serial #         Casing Material       Purge Method       Screen Interval (It bmp)       Top $536$ Bottom $556$ Casing Material       H       Screen Interval (It bmp)       Top $536$ Bottom $556$ Sounded Depth (It bmp) $46.11$ Purge Time       Start $1/LS$ Finish $3 cool         Time       Minutes       Flow Rate       Volume       Tomp       PH       Conductivity on the Volume       Tomp (mV)       mgl, (mV)       Turbidity Water (It bmp)         11S       HSO       Gang J       Ganductivity on the Volume       Tomp (Conductivity on the Volume)       Turbidity Water (It bmp)       Turbidity Water$
Instrument identification Water Quality Meter(s) $\underline{\langle ee \ (all bra.tim sleet} )$ Serial # Casing Material $\underline{\langle H \rangle}$ Serien Interval (ft bmp) Top $\underline{53.6}$ Bottom $\underline{55.6}$ Sounded Depth (ft bmp) $\underline{55.6}$ Pump Intake Depth (ft bmp) $\underline{55.6}$ Finish $\underline{>00}$ Field Parameter Measurements During Purging Time Minutes Flow Rate (mLimit) Purge Time $\underline{51.6}$ $\underline{0.8P}$ ( $\underline{0.6P}$ ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ) ( $\underline{0.6P}$ ( $\underline{0.6P}$ ) ( $0$
Water Quality Meter(s) <u>Coe</u> <u>chibratim</u> <u>sheet</u> Serial #Casing MaterialPurge MethodCasing Diameter <u>4</u> Sounded Depth (ft bmp) <u>556</u> Pump Intake Depth (ft bmp) <u>1556</u> Purge TimeStart <u>1150</u>
Casing MaterialCasing Diameter $\mathcal{U}$ Screen Interval (ft bmp)Top $\mathcal{S36}$ Bottom $\mathcal{S756}$ Sounded Depth (ft bmp) $\mathcal{L6.1/}$ Purge TimeStart $\mathcal{ILS}$ Finish $\mathcal{ICO}$ Field Parameter Measurements During PurgingTimeMinutesFlow RateVolumeTemp $pH$ Conductivity (umhos or ms/cm) if $Do$ Turbidity (NTU)Depth to Water (ft bmp)11S $\mathcal{U5D}$ $\mathcal{C0}$ $\mathcal{C}.1$ $\mathcal{I}$ $\mathcal{S570}$ $\mathcal{II}/\mathcal{I}$ $\mathcal{I}$ <
Casing Diameter $4$ Screen Interval (ft bmp)       Top $53.6$ Bottom $3.5.6$ Sounded Depth (ft bmp) $4.6.1/$ Pump Intake Depth (ft bmp) $7.5.6$ Finish $3.02$ Depth to Water (ft bmp) $4.6.1/$ Purge Time       Start $1/1.5$ Finish $3.02$ Field Parameter Measurements During Purging         Time       Start $1/1.5$ Bottom $3.02$ Field Parameter Measurements During Purging         Turbidity (mUmin)       Purged $emp$ $pH$ $(andturthy)$ $oRP$ $0.0$ $Turbidity$ $Water$ (15 $450$ $6.12$ $1.350$ $187$ $2.46$ $4/6.14$ $1.25$ $450$ $6.12$ $1.350$ $187$ $2.44$ $4/6.14$ $1.30$ $1.1$ $22.3$ $5.52$ $103.7$ $22.3$ $3.32$ $4/6.15$ $1.30$ $1.1$ $22.4$ $5.35$ $99.3$ $232.4$ $4/6.15$ $1.40$ $22.4$ $5.32$ $100.5$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
Time         Minutes         Flow Rate (mL/min)         Volume Purged         Temp (°C)         pH (s.u.)         (mhos or mS/cm) <sup>11</sup> ORP (mV)         DO (mg/L)         I urbidity (NTU)         Water (ft bmp)           (15         (450 $G, 18$ 1350         187         2.46         4/6.11           (120         1 $S, 87$ $III, II         2.05         I.48         4/6.11           (120         1         S, 87 III, II         2.05         I.48         4/6.11           (120         1         S, 87 III, II         2.05         I.48         4/6.11           (120         1         22.3 S, 87 IIII, II         Z.05 I.48         4/6.11           (130         (I)         22.3 S, 87 IIII, II         Z.24 Z.35 IIII, II         Z.44 IIIII, II         Z.44 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
2:00 223 5.22 Fi.6 243 5.18 46.16 2:05 575 224 5.28 46.16 2:05 575 575 575 575 575 575 575 575 575 5
2:05 221 4.85 98.2 254 5.28 46.0
210 221 4.85 98.2 254 5.28 46.0
270 221 4.85 98.2 254 5.28 46.0
22.2 5,09 (48,1 257 (35.32
220 222 5.08 93.2 257 5.41
Collected Sample Condition Color (\$ 1021135) Odor NDW2- Appearance CLEAR
Parameter Container No. Preservative
ID Reading
comments OUTSRIF THMP DW HEIGH 80°S - LIGTENDWE STARTED
AT 2:15 CALLED CARLO SAN BEDVANNET - STORM TO END AT
3 pm WELL SAMPLE THEAS

~

1) Circle one unit type

256 255

3:00

## **ARCADIS** Infrastructure, environment, facilities

				-Flow Gro	oundwater	Sampling	Log			
Project	N	ORTHRO	<u>P-GRUN</u> ).00002	MAN					1	
Project Numbe	r NYDDI	496.0416	1.00002	Site Location	B	STHPACL	: NY	Well ID	6M-1	<u>I</u> T
Date	·	7-79-16	)	Sampled By	G	-W W				
Sampling Time	•••••••••			Recorded By	G	W				
Weather		RLAST	30"5	Coded Replic						
Teamer	$\overline{\mathcal{V}}$	RAD	5	oodea nopno						
Instrument Ide	ntification	1 - 1 - 1								
Water Quality I	Meter(s)	·				Serial #	÷			······
Casing Materia	at .			Purge	Method					
Casing Diamet	er			Screer	n Interval (ft bm	р) Тор		E	Bottom	
Sounded Depti	h (ft bmp)			Pump	Intake Depth (fi	t bmp}			<u></u>	
Depth to Water	(ft bmp)			Purge	Time	Start			Fintsh	
				- Field Parameter	Measurements	s During Purgin	g		-	
	Minutes	Flow Rate	Volume	Temp	рН	Conductivity (umhos or	ORP	DO	Turbidity	Depth to Water
Time	Elasped	(mL/mln)	Purged	(°C)	(s.u.)	(umnos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	(ft bmp)
10:40	· · · · · · · · · · · · · · · · · · ·			22,9	7.59	1235	123	7.92		-12.71
1D:45				22.6	7,52	124.1	156	7.68		
1D:SD				22.1	7.47	1215	in	6.69	- -	
10:55				22.8	7.35	123,3	184	6,17		42.94
1:00				22,8	7.28	1205	186	6.06		
11:05				223	7.22	112.8	188	GIL		
1140				22.3	7.21	111.8	126	6.13		42.68
11:15				23.0	1,07	110.7	190	6.51		
11:20				23,0	7.06	1107	188	C.J.		
1:25				229	7.06	1107	178	6.67		42.68
10								;		
								, ,		
				:		-				
1.									. 1	
Collected Sam	le Condition	·	Color		Odor_			Appearance		· · · · · · · · · · · · · · · · · · ·
Parameter			Container			No.			Preservative	
		-			-			•••• · ·		
	•	•	<u></u>		-	•				·······
PID Reading			-							
Comments						<u> </u>				
-			<i>.</i> .			· ·				
-		······								
			•							

٩

Page \_

\_\_\_\_ of \_\_\_\_\_



٠.,

Project	<u>N0</u>	KTHREP- (	e RUMA	And					ON I	7.
Project Numb	er <u>Nyo</u>	KTHR19-1 x 1496,04	10,0002	<ul> <li>Site Location</li> </ul>	<u>_156</u>	TUPAG	ENY	Well ID	<u>GM-1</u>	$\overline{\text{ID}}$
Date				Sampled By		$\frac{1}{2}$				
Sampling Tim	e			Recorded By		N.				
Weather	·		<u> </u>	Coded Replic	ate No.					
Instrument Ide	entification						,			
Water Quality	Meter(s)					Serial i	¥		· · · ·	···· · · · · · ·
Casing Materi	al	<b>.</b>	-	Purge	Method					
Casing Diame	ter				n Interval (ft bm				Bottom	
Sounded Dept					Intake Depth (f		• · · · · · · · · · · · · · · · · · · ·		 Finlsh	
Depth to Wate	r (ft bmp).	- 45.		_ Purge			• · · · · · · · · · · · · · · · · · · ·			
		1	1	Field Paramete	1	s During Purgir			·····	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or mS/cm) 1)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
5:05				23.5	6.42	110.2	179	6.48	;	45,31
5:10				22.8	6.42	109.6	184	5.67		
Sus				21.6	6.41	129.2	127	5.93		
5:20				21.5	6.20	108.3	189	5.80	:	
5:25				21.2	6.14	1881	190	5.97		
5:30				21.0	6.05	101.9	193	600 -		45,26
5:35		·.		209	6.06	1079	194	5.95		
Siyo.				209	6.01	108.0	195	5.64	:	
5:45				21.1	5.96	107.8	197	5.76	· · ·	
5:50				21,2	5.90	107.5	201	5.60		
5:55	······································		<u> </u>	21.1	5,97	107.4	205	5,68	e	45.31
(5.00				241	5.81	1063	208	5.66		
6:05				21.1	5.81	106.3	208	5.67		
	······								-	
Collected Sam	ple Condition	<u>۹</u>	Color		Odor_			Appearance		
Parameter			Container			No.			Preservative	
	•		i		-	<u></u>	······	<b>.</b> .		
	· ·	•			-	<u>.</u>		<b></b>		······································
PID Reading			- -							
Comments		- <u> </u>								

٩

Low-Flow Groundwater Sampling Log

1) Circle one unit type

Page \_\_\_\_

of

Project	No RAHRAP 64	WMMAN	Project No. N	001496.0410.0	00001	Page	of /	
Site Loo	12	RTHPALE	NY		Date	8-11		
Site/We	II No. <u>CM</u>	1-18I	Replicate		<u></u>			
Weathe	er <u>kh</u>	Ary 9	$D^{\circ} + Sampling$	Time: Begin <u>1013</u>	<u>50</u> End			
Evacua	tion Data			Field Parameters	l	ιV	2V	3V
Measur	ing Point		-	Color (	Corolits			Corverezzs
Sounde	d Well Depth (ft br	np)		Odor	NONE			NONE
Depth t	o Water (ft bmp)		39.41	Appearance	CLOWN		l	CLEAR
Depth t	o Packer (ft bmp)		93	-				2)/
Water (	Column in Well (ft)		12	-	1	1V	<u>2V</u>	$\frac{3V}{C/3}$
Casing	Diameter	· •	4(0.65)	- pH (s.u.)	7.76	5.30	5.62	100
Gallons	in Well		<u>    7,80                                </u>	Conductivity				
Gallons	Pumped/Bailed		~ ~	+ms/cmr	110-14	184,6	1843	1785
	Prior to Sampling		23.5	. (µmhos/cm))	454	184,0		
Sample	Pump Intake			Temperature (°C)	22.9	19.7	20,4	200
Dealers	Setting (ft bmp)		GOPSE					
	Pressure (psi) g Rate (gpm)	<del></del>	<u> </u>	DO (mg/L)				
				Turbidity (NTU)				120
	ion Method	., <u> </u>	······	Time		:		
-	g Method		End	DTW (ft bmp)	······			
Purge Ti	me	Begin	LHO		<u></u>			
Remark:	S	93		53.59x.43	<u> = 27</u>	3 + 2	.5 ≈ 48	GUPSE
	·····	24	5 GAL PA	25111			······································	
Constitu	ents Sampled:	See COC	Samp	ling Personnel:	<u>6w /</u>	Gary	W.1120	<u>./j</u>
	Well Casi	ing Volumes						
Gal./Ft.	$1^{1/4} = 0.06$ $1^{1/2} = 0.09$	2" = 0.16 2-½" = 0.26	$3^* = 0.37$ $3 - \frac{1}{2}^* = 0.50$	4* = 0.65 6* = 1.47				
bmp °C ft gpm mg/l	below measuring po Degrees Celsius feet Gallons per minute Miligrams per liter	bínt mS/cm s.u. NTU N/A COC	Milisiemens per centim Standard units Nephelometric Turbidit Not Applicable Chain of Custody	umhos/cm N	Volatile Organic Micromhos per c D U U U		,	
G:\TE	CHNICLIFIELD LOGS13 V	olume Purge Water :	Sampling Log.XLS- Log	63	59 21	436	7	





Low-Flow Groundwater Sampling Log

Project Project Numb Date Sampling Tim Weather	er <u>N400</u> e	RTHROP- 1496.041 1/30/10	- 620MM 0. 00002	Aud Site Location Sampled By Recorded By Coded Replic	) 0	7747461 7W 5W		Well ID	GMrl	80
Instrument Ide Water Quality						Serial	¥			
Casing Materi Casing Diame Sounded Dept Depth to Wate	al ter h (ft bmp)		5	Purge Method Screen Interval (ft bmp) Top Pump Intake Depth (ft bmp) Purge Time Start						
(	r			Field Paramete	r Measurement	ts During Purgin	g I	1		Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity umhos of mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
2:30				253	5.34	231	233	5.86		41,75
2:35				24.5	5.33	233	234	6.01		:
2:40				22.6	5,31	165.1	234	7,18		
2:45				22.7	5.30	155.5	234	707		
2:50				22.5	5,27	1463	235	7.35		
2:55				-22,1	5,28	14505	735	7,41		41.71
3:00				21.3	5.24	1418	237	7.68	<u></u>	· · · · · · · · · · · · · · · ·
3:05				221	5.25	144,\$3	237	-1175		
3:10				22.2	5.24	144.6	237	7,76		
3:15				22,3	5.24	144.7	238	7.73		41.42
3:20		,	-	22.4	S,23	1446	238	7.63		
3:25				22.5	5.23	144.6	238	6.04		41.69
330				22.2	5.22	144.5	239	1.96		
3:35				22.1	5,22	144/8	239	8.05		
Collected Samp Parameter	le Condition		Color <u>Cerce</u> Container	ruds	Odor_	No.		Appearance_ <u>&lt;</u>	<u>Preservative</u>	
PID Reading			· · ·				<u></u>			<u></u>
Comments										
			· · · · · · · · ·	,,,,,,						
_			,							
		·							<u></u>	<u></u>

	NORTHROP - KRUV	IMAN	Project No. <u>N 4137</u>	214962410.0	විරා Date	Page 8-6-6		
Site Lo Site/We Weath	ell No. <u>GM</u>	-2.07	Replicate No. Sampling Tin		End		-	
Evacua	ition Data			Field Parameters	í	ιV	2.V	3V
	ring Point ed Well Depth (ft bmp)	102	1 <del>30</del>	Color Odor				Course 15
	to Water (ft bmp) to Packer (ft bmp)	<u> </u>	5D 9,125	Appearance				Crown
	Column in Well (ft) Diameter		$\frac{12}{0.65}$	pH (s.u.)	5.15	1V 7,89	2V 9,06	3V 9.56
Gallons	in Weli		<u>20</u> 3	Conductivity (mS/cm)				
	Pumped/Bailed Prior to Sampling	2	2.5	(µmhos/cm)	129,1	126,9	117.3	17.7
	Pump Intake Setting (ft bmp) Pressure (psi)	<u>, , ,, .,,</u>		Temperature (°C)	24.1	201	1.7.5	20.7
	g Rate (gpm)			DO (mg/L)	••••••••••••••••••••••••••••••••••••••			<20
	tion Method	<del></del>		Turbidity (NTU) Time				
Samplir Purge T	ng Method Time Begin	 	End	DTW (ft bmp)	**************************************			
Remark			SAL PAZ	<u>10 x 13 42</u> 75 111 5 g Personnel:	5 - 4	0. +2 5	5 = 70	
Constitu								
Gal./ft.		0.16 = 0.26	$3^{\circ} = 0.37$ $3 - \frac{1}{2}^{\circ} = 0.50$	4* = 0.65 6* = 1.47				
bmp °C ft gpm mg/L	below measuring point Degrees Celsius feet Gallons per minute Miligrams per liter	s.u. Stan NTU Nepl N/A Not	iemens per centimete dard units nelometric Turbidity L Applicable n of Custody	umhos/cm M	olatile Organic ficromhos per ç ( D )			
G:\T	ECHNICL/FIELD LOGS13 Volume Put	ge Water Samplin	g Log.XL& Log		37	8020	2	

New York

Project NORMAR GRUMM	AJ Project No. N	4001496.041	0-0000	)Z Page	<u>/ of /</u>	
Site Location RETHE		۹ 	Date	_ 8/9,	//ð	
Site/Well No. GM-2	<u>D</u>	No. <u>KA</u>				
Weather	Sampling	Time: Begin	End			
Evacuation Data		Field Parameters	1	<u> 1V</u>	2V	<u>3V</u>
Measuring Point	TOC	Color				
Sounded Well Depth (ft bmp)		Odor	<u> </u>			
Depth to Water (ft bmp)	36,51	Appearance	<b></b>	L	1	<u> </u>
Depth to Packer (ft bmp)	<u>275214</u>					21/
Water Column in Well (ft)			20	1V	ZV	3V
Casing Diameter	4/0.65	pH (s.u.)	8.20	7.30	6.33	10,07
Gallons in Well	7.80	Conductivity		-		
Gallons Pumped/Bailed	×3	(m5/cm)			500	1023
Prior to Sampling	23.5	_ (umhos/cm)	157,7	110.5	79,8	10Cus
Sample Pump Intake		×(0.C.)	225	18.5	17B	10.5
Setting (ft bmp)	100 PSE	Temperature (°C)	2165	100		
Packer Pressure (psi)	100136					
Pumping Rate (gpm)		DO (mg/L)	·····			
Evacuation Method		Turbidity (NTU)	<u></u>			
Sampling Method		Time	, <u> </u>			
Purge Time Begi	n End	DTW (ft bmp)		1		<u> </u>
Remarks:	215.00-36.51 5692PAD	=78.49x.43=	76,75 Gav		De PSI	<u></u>
Well Casing Vol				<u>)</u>		
	0.16 3" = 0.37	4″ = 0.65				
	* = 0.26 3-½* = 0.50	6* = 1.47				
bmp below measuring point °C Degrees Celsius ft feet gpm Gallons per minute mg/L Miligrams per liter IC D GUTCHINIETYFIELD LOGSY3 Volume Pu	mS/cm Milisiemens per centi s.u. Standard units NTU Nephelometric Turbic N/A Not Applicable COC Chain of Custody	umhos/cm M	olatile Organic licromhos per c 3	Compounds entimeter 7 7 6 7 6	78.49 .43 3547 396 750	999 WWWWWWWWWWWW

Project	n) NETTHRE	P. 64	UMM	Proje رايچ	ct No. NYOC	1496.0410.	00002	Page	/ of /	
Site Lo	О.,	THAA			4		Date	8-5-1	0	
Site/We	<u> </u>	1-21	$\leq$		Replicate No.	NA				
Weath	<u> </u>	neng	45°	F	Sampling Time	: Begin	End			
				T		Field Parameters				
Evacua	tion Data					rielų ratameteis	<u> </u>	IV	<u>2V</u>	<u>3V</u>
Measur	ring Point			·		Color	Colorley	Colorless	Colorless	Cobless
Sounde	ed Well Depth (ft b	omp)	_6	7.00		Odor	horp	hore	hone	how
Depth t	to Water (ft bmp)		3	4.60		Appearance	clear	clear	clear	clea
Depth t	to Packer (ft bmp)		•	~						277
Water (	Column in Well (ft	;)		32.4C			<u> </u>	1V	2V	<u> </u>
Casing	Diameter			2" (0,	<u>16)</u>	pH (s.u.)	7_98_	7.97	7.80	7.7/
Gallons	in Well			5.184	·····	Conductivity				
Gallons	Pumped/Bailed			X 3		(mS/cm)		art	802	200
	Prior to Samplin	g		1661	<u>+1</u>	(µmhos/cm)	<u> 93 /</u>	95,6	88.2	275
Sample	Pump Intake					Temperature (°C)	20.3	20.8.	20.9	21.2
	Setting (ft bmp)	)				remperature ( C)			1	
	Pressure (psi)		<u></u>		·····	DO (mg/L)				
-	g Rate (gpm)		<b></b>			Turbidity (NTU)				
Évacuat	ion Method						1	1732	1737	17K2
Samplin	ig Method		<del></del>			Time	<u>912</u>	1111		
Purge T	ime	Begir	۱ 	End		DTW (ft bmp)		1		_l,,
Remark	s:						<u></u>			
						· · · · · · · · · · · · · · · · · · ·				
							·····			
Constitu	ients Sampled:	See	00		Sampling	Personnel:				
<u></u>	Well Ca	sing Volu	imes							
Gal./Ft.	$1^{1/4} = 0.06$	2* ≂			• 0.37	4° ≈ 0.65				
	$1^{1/2} = 0.09$	2-1/2*	<b>≈</b> 0.26	3-1/2	= 0.50	6* = 1.47				1
bmp	below measuring p	point	mS/cm s.u.	Milisiemer Standard i	is per centimeter inits	VOC umhos/cm	Volatile Organic Micromhos per c	Compounds entimeter	67.8	6
°⊂ ft	Degrees Celsius feet		NTU	Nephelom	etric Turbidity Un	its			34,6	0
gpm ma/l	Gallons per minute Miligrams per liter		N/A COC	Not Applic Chain of C					374	D
mg/l	willight in per mer				ŗ		,		54,0	6
									× F	
								1	944	$\mathcal{U}$
G:\TE	ECHNICL (FIELD LOGS)3	Volume Put	ge water S	ampling Log.)	10- LOG			. 3	240	)
								$\sim$	TRU	r O
								S	į C /	

	NORTHREP. GRU	and the second se	oject No. N. 1990	>1496.0412		- Page_ 8-5-7	<u>) ot (</u>	
Site Lo		<u>166 N-</u>		. A	Date	051	<u> </u>	
Site/W		1-1-	Replicate No.	NA				
Weath	er <u>Sunny</u>	<u>95° [-</u>	Sampling Time	: Begin	End			
Evacua	ation Data	<b></b> ;		Field Parameters		١V	2V	3V
Measu	ring Point		•	Color G	loley	Colorless	Cobolers	
	ed Well Depth (ft bmp)			Odor	nore	none	hone	
	to Water (ft bmp)	Z	.18	Appearance	lean	clear	dan	
	to Packer (ft bmp)	131						
	Column in Well (ft)	122	2			<u>1V</u>	2V	<u>VE</u>
	Diameter	10.6	5)	pH (s.u.)	8.05	6.89	7.77	8,03
-	s in Well	7.3	80	Conductivity			· ·	
	s Pumped/Bailed	4		(mS/cm)				
Gallon	Prior to Sampling	22.	S	(µmhos/cm)	337	106.8	98.5	91.9
Sample	Pump Intake						26	17.0
	Setting (ft bmp)			Temperature (°C)	23.6	18.6	17.5	$\frac{1000}{1000}$
Packer	Pressure (psi)	800	SZ				İ	
Pumpir	ng Rate (gpm)			DO (mg/L)	<b></b>			
Evacua	tion Method			Turbidity (NTU)				
Samolii	ng Method			Time		1629	1657	
Purge T		jin \$	ind	DTW (ft bmp)		/	/	
Remark	rs: <u>120-</u>	36.18=9	3.82.16.04	3 - 40.2	4 = 6	5 PSE	PALAR	
Constit	uents Sampled: See	2 COC	Sampling	Personnel:				
<u></u>	Well Casing Vo	lumes	<u></u>	· · · · · · · · · · · · · · · · · · ·				
Gal./Ft.	1 <sup>1/2</sup> * = 0.06 2*	= 0.16 3	* = 0.37 -½* = 0.50	4* = 0.65 6* = 1.47				
	below measuring point Degrees Celsius	s.u. Standa	mens per centimeter ird units Iometric Turbidity Un	umhos/cm N	olatile Organic ( Aicromhos per ce		93,8	2



			Low	-Flow Gro	oundwater	<sup>.</sup> Sampling	l Log			
	NOR PYDDI		SRUMM.	Site Location		574PX61	5 mg	Well ID	6m-2	12
Date Sampling Time				Sampled By Recorded By		SIN		<u>., .,,</u>		
Weather	• <u></u>	· · · · · · · · · · · · · · · · · · ·		Coded Replic		2400				
	•••••••				·					
Instrument Ide Water Quality		4				- Serial f	¢			······································
Casing Materia	al		-	Purge	Method					
Casing Diame	ter			-	n Interval (ft bm				Bottom	<u></u>
Sounded Dept		· · · · · · · · · · · · · · · · · · ·			Intake Depth (f				Finlsh	
Depth to Wate	r (ft bmp),			- Purge		Start		<u></u>	rinisi	
	[	1	ا ٦	Field Parameter	r Measurement T	s During Purgin	······	1		Depth to
Time	Minutes Elasped	Flow Rate (mL/mln)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or .ms/em) <sup>1)</sup>	0RP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
2:30				26,1		89.5	208	6.22	:	40.46
2:45				23.8	532	80.6	253	5.70		
2:50				23.7	5.46	70.8	👰 255	5.43		
2:55				23.1	5.18	808	259	5,68		
3:00		:		23.7	5,15	81.1	261	6,06		40,47
3:05				23.5	4.95	8/1	268	6.27		
3:10		······································		23.3	4.93	81.4	270	5.93		
3:15				22.8	4,86	82.4	276	5,75		40.46
3:20				229	4.83	87.5	278	6.30		
3:25				22.9	4.84	82.2	279	6.67		
3:30				22.8	4.75	82.3	282	6.69	<u>[</u>	
3:35			•	22.8	4,73	82.3	284	663		40.48
3:40				2217	471	82,6	284	6.50	:	
3:45				2217	4.72	-82,7	225	6.80		40.53
Collected Sam	ple Condition	x	Color		Odor_			Appearance_		,
Parameter			Container			No.	<i>,</i> ,		Preservative	
	·	•			-			-		<u> </u>
			<b>.</b>	·····	-				<b>.</b>	
PID Reading	, A		<u> </u>			•				
Comments	* AL	nost	5000	5751					<u></u>	
-			· · ·				· · · · · · · · · · · · · · · · · · ·			
-			•							
-			•			<u> </u>			~	<u></u>

Page \_\_

EL-

\_\_of \_\_ .

GATECHNICL/WOLFERTATechnical Forms/2006/JowRowsampforms.xts - Sheet1



Page \_\_\_\_\_ of \_\_\_\_\_

Low-Flow Groundwater Sampling Log

Project Project Numbe		- <u></u>		Site Location	B	ETHRACE	NY	Well ID	GM-3	330-2
Date	T _	8/11/10		Sampled By	6	W.	<u> </u>			
Sampling Time	e			Recorded By	G	εW·				
Weather	<u></u>			Coded Replic	ate No	AIA				
Instrument Ide	ntification	٠								
Water Quality	Meter(s)					Serial				<u> </u>
Casing Materia	al			Purge	Method		Decli	icated	bladder	~ punp
Casing Diamet			11		n Interval (ft bm	цр) Тор	500		Bottom	20
Sounded Depti	h (ft bmp)			Pump	Intake Depth (f	t bmp)		. <u></u>		
Depth to Water	r (ft bmp)	47.0	N	Purge	Time	Start	2:40	<u>pm</u>	Finish	3=10pm
		1	F	Field Parameter	Measurement	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	ig ·			Depth to
Time	Minutes Elasped	Flow Rate (mL/mln)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
2:40				22.4	6,05	102.5	200	7.11.	:	47,00
2:45				22.3	6.09	102.4	191	6.73		
2:50				21.1	6,34	1013	175	7.33		
255		· · · · · · · · · · · · · · · · · · ·		212	6.44	10/2	115	6.01		
3:00				212	6.44	1009		6.06		47.06
3.05				2/1	6.47	100,3	173	Gill	:	
	, 			1 212	651	101.0	1/63	Gill		
2:10		· <u>·</u>		200	100	1010	1.1			
3:15			, -	263	6.50	MU	164	6.01		······································
3:20			[ 	Hot	651	101.4	162	6.03		
3.25		- -		21.4	617	108.1	150	$\frac{O}{C}$	-	11700
3:30	·	; ;		21.4	6.22	1281	146	S(X)		47.02
2:35				213	6.36	108.5	144_	5.65		ļ
3-10	-			21.4	6.90	1072	+145	5.70	<u> </u>	· · · · · · · · · · · · · · · · · · ·
						i i				
Collected Sam	ple Condition	, ,	Color <u>()</u> Container	allizy_	Odor_	NO.	······	Appearance	<u>CLOAA</u> Preservative	, 
See.	CòC		<u></u>	<u></u>	-		· ·	<b></b>		
	•	• .			-			 ·		
PID Reading		, 								
Comments	X	~ WADY	RICAL, S	2 MEA	LOD T	TO LAN	D SUR	AACE C	CASE	<u> 5</u>
•										
-	-									
-				<i>,</i>						
-										
Circle one u	ait type									

L.



Infrastructure, environment, facilities

		,		-Flow Gro	undwater	Sampling	Log			
Project Project Numbe	N.	athop	Ginmon	- ou	2.					
Project Numbe	1 N/02149	6.0410.00	ثری	Site Location	Bethlas	1ein17	1	· Well ID	GTM	34D
Date		-19-10	<u>.</u>	Sampled By	<u>Gă</u>	m = 111	lans /	Sun-()	ζ	
Sampling Time				Recorded By		Junny	<u>x~.</u>	/		
Weather	Sonn			Coded Replica	ite No	NA J				
Instrument Ide	J									
Water Quality N	Aeter(s)	Eee (	alibrati	~ she	<u>et</u>	Serial #	******************			
Casing Materia	I			Purge	Method		pin - cle	diated	<u>Red</u> ). Bottom <u></u>	-flo
Casing Diamet	er	- A	<u>sx 2</u>	Screen	interval (ft bm)	p) Top	<u> </u>	/ I	Bottom	<u>i 9'</u>
Sounded Depti	n (ft bmp)			Pump	intake Depth (ft			 /*.		<u> </u>
Depth to Water	(ft bmp)	11.60	2	- Purge	Time -	Start	14.2		Finish/	<u>1 X 0</u>
,,			, ,	Field Parameter	Measurements		3			Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purgeđ	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
14:40		4.5=		27.9	621	90.9	118.	2. ju		
14:45.				23.0	8.36-	115.6	122.	0.80		
14:50.				23.2	8.81	110.1-	118	0,62		11.61
14:15				23.1	8.93.	112.5	16	0.18.		
14:00				22.4	9.11	99.7	108	0.17		
15105				23.2	9,54	ny 6	30	0.76		11.61
15710				23.2	9.64	97.2	81	0.63		
15:15				23.2.	9.71	116.7	69.	07a		11.5K
15:22				23.1	9.10	117.0	64.	3.70		
15:25				23,2	9.62	1.8.7	ster 657	0 63.		
15:30				2.3,2.	9.20	118.7	57	0.65.		
15:35				23.0	9.14	112.7.	J.T.	1,62		
(5-14-		V		23.0.	9.10	11224	55	0.60.		
					·				! 	
Collected Samp	le Condition		Color Color	· len	Odor	hne		Appearance	_clear	
Parameter			Container			No.			Preservative	
Terver	ASPLONS		40pt 1	.UA		3		-	<i>flC f</i>	
				. <u></u>				-		
PID Reading	·····				•			-		
			-							
Comments _										
				,	<u> </u>					
	····									
-										
1) Circle one un	lit type									

Page \_\_\_\_ of \_\_\_\_



G:\TECHNICLWOLFERT\Technical Forms\2006Vowflowsampforms.xis - Sheet1

Low-Flow Groundwater Sampling Log arinhan ou-2 Project Well 10 GAN - 34 D2 Bethpa Ollo an Site Location **Project Number** Swang Xu 10 Giny Date Sampled By unmp Sampling Time Recorded By S. 5 12 A Weather Coded Replicate No. Instrument Identification chest Calibration Serial # Water Quality Meter(s) See. non-declicated Redi-flo **Casing Material** Purge Method 4 510 Bottom\_ Screen Interval (ft bmp) Тор **Casing Diameter** Pump Intake Depth (ft bmp) Sounded Depth (ft bmp) 16.00 Finish 700 Start Depth to Water (ft bmp) **Purge Time** Field Parameter Measurements During Purging Depth to Conductivity DO Turbidity ORP pН Minutes Flow Rate Volume Temp Water (umhos or Time (NTU) (mg/L) (mL/min) (mV) Purged (°C) (s.u.) Elasped (ft bmp) mS/cm) 1) 3,53 32 .4 600 63  $\overline{a}$ 10 111.5 5 1.30 1605 8.38 85.6 108 94 0.49 5% 110 13. 10 22 2 36 10 P 22.9 15 46.4 0.40 610 36 110 Q 8.31 20 20 22 2 644 12 0.31 24 625 25 22.3 76.4 0.28. 13.91 nV 630 22,3 848 73.5 115 0.31 20 625 61 98 35 98 1815 Ô. >2. -6 ~7 81.0 75 1640 0,75 91 40 22.6 7.88 13 L 81.6 1645 57 M んパー 45 6 >2 81.5 600 50 51. 1.73 10 22 ,5 50. 2,06 655 5 Hz 11 81.1. 22. 3.91 ( 22,5 fo. 2.26 98.5 7,20 7.4.8 80. 10 chan. <u>cloudy</u> Color Coto tomblack. Odor nome slight Appearance **Collected Sample Condition** Preservative Container No. Parameter TCL VOCS ASPON 40 mil in A 3 HCL **PID Reading** Comments 1) Circle one unit type

Project <u>NORTHRUE-GRUY</u> Site Location <u>BETHE</u>	<u>MMAN</u> P AGE NY	roject No. <u>ທ່</u> າ	400149604(U. 00	Date	- Pag 		
Site/Well No. <u>GM A</u> Weather	350-1	Replicate Sampling		End			
Evacuation Data			Field Parameters	ł	1 IV	2V	3V
Measuring Point	TO	<u>C</u>	_ Color				Counces
Sounded Well Depth (ft bmp)			- Odor				Nowl
Depth to Water (ft bmp)	36.0		Appearance	<b></b>	<u> </u>		Cloren
Depth to Packer (ft bmp)		-508	-				21/
Water Column in Well (ft)	<b>.</b>		-	<u> </u>	<u>1V</u>	<u>2V</u>	<u> </u>
Casing Diameter			pH (s.u.)	7.26	7.60	6.56	<u> <u>G</u>) </u>
Gallons in Well			Conductivity	10.	121.9	116.5	195.3
Gallons Pumped/Bailed			MS-(m5/cm)	126.5	161.1	110.0	
Prior to Sampling	<u></u>		- <del>(µmbos/cm) -</del>				
Sample Pump Intake Setting (ft bmp)			Temperature (°C)	19.0	17.1	17.1	15:17
Packer Pressure (psi)			•	<b>A</b>			
Pumping Rate (gpm)	$\overline{\approx}$		DO (mg/L)				
Evacuation Method	······································		Turbidity (NTU)				
	<u> </u>		Time				
Sampling Method Purge Time Beg		nd	DTW (ft bmp)	•			
		er Pass	n 4 3 = 202 + <u> s NN 11</u>	- 25 -	230		
Well Casing Vo	lumes						
Gal./Ft. 1 <sup>374</sup> = 0.06 2* =	= 0.16 3	* = 0.37 -1/2* = 0.50	4' = 0.65 6' = 1.47				
bmp below measuring point °C Degrees Celsius ft feet gpm Gallons per minute mg/L Miligrams per liter	s.u. Standai NTU Nephel N/A Not Ap	ometric Turbidity	umhos/cm Mi	latile Organic cromhos per o			
G:\TECHNICL\FIELD LOGS\3 Volume Pu	rge Water Sampling Lo	, ng.XLS Log 1 4	7/1.11 .43 13.33	2527-			





	· .					r Samplin	g Log			
Project Project Numb Date Sampling Tim Weather	4-	4001496 2-21-10	<u></u>	Site Location Sampled By Recorded By Coded Replic	(	MANU SW SW		· Welf ID	<u>6</u> m-3	80
Instrument Id										
Water Quality	Meter(s)	0 A 1000 31	DD, 4555	324 09121	ons Alons 6	Serial	#			
Casing Materi Casing Diame				 0	Method n Interval (ft bn	1p) Tog			Bottom	
Sounded Dept	th (ft bmp)			_	Intake Depth (i					
Depth to Wate	er (ft bmp)			Purge	-		t		Finish	
·	1		1	Field Paramete	r Measurement	s During Purgin	Ť ·····	1	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
10:40				16.4	6,34	100.3	198	4.47		39.58
10:45				15.7	6.81	194,1	235	2:28		
10:50				15.7	63	93.6	235	2.17		
10:55				15.8	6.83	927	2.36	1.95		39.6
11:00				159	6.74	93.1	237	193		
105				16.1	5.97	93.4	247	1.53		
11:10				161	5:97	935	247	1,54		
<u>I</u> NS				167	572	94.2	254	136		39.70
(1:20				161)	5.65	947	258	1.28		
11:25				1618	3:48	91.6	269	1:02		
(1,30				17,3	5.65	84.7	272	0,80		
1]:35				17.3	5.63	841	273	0.79		
:4D				17.3	5,60	833	273	D179_	} <b> </b>	37.53
ollected Samp	le Condition	[	Color	MUBS	Odor_	NONE	<u> </u>	Appearance	CUERA	l L
arameter			Container			No.			Preservative	-
		-	·					-		
ID Reading										
omments										
· · · · · · · · · · · · · · · · · · ·				··					~	
_							····· ·	·······		
_							······································	······		





Project Numb	er NYDDIUG	1615410,01	GRUMN BOZ	Site Location	n []	HPOBE N	14	· Well ID	6 M.	38002
Date	er Nyobiya	21-10		Sampled By	G.	μ <u>υ</u>	<b>-</b>			
Sampling Tim	-	KK		Recorded By	, <u>6</u> ,	W. W				
Weather				Coded Replic						
Instrument Ide	entification		-							
Water Quality	Meter(s)					Serial	#			
Casing Materi	ai			Purge	e Method					
Casing Diame			·····	Scree	en Interval (ft bn	ар) Тор	l		Bottom	
Sounded Dept	,				o Intake Depth (I					
Depth to Wate	r (ft bmp)				e Time		l		Finish	
		1		Field Paramete	er Measurement	s During Purgir	1	1	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	(umhos or mS/cm),"	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
12:25				23,4	6.11	87.3	250	5.93		44,15
12:30				23,5	6.11	858	2.55	6.41		
12:35				23.6	6.04	85,8	255	6.44		
12:40				23,6	6.04	849	257	6.13		
12:45				23.4	6.02	84.0	257	Suff		44.09
12:50				2314	6.02	837	257	5.65		· ·
12:55		<u></u>		23.8	600	84.3	258	5.41		
.'00		····		238	6.01	84.3	259	6.26		
1:05				23,3	6.00	8517	259	6.18		
1:10		····		240	6.02	87.7	257	46.00	1	
1:15				24,0	6.03	88,4	257	6.05		1
1:20				241	6.05	812	257	572		44.04
1:25				240	6.03	88.5	257	5.48		
	la Canditian		Calla-	l				Å	<u> </u>	
irameter	e contaitatori		Color Container	**********************************	Odor_	No.	nadostania da la	Appearance	Preservative	
			······		-			- -		
- Decision					~			-		
D Reading		·								
mments										
<u> </u>										





•

Low-Flow Groundwater Sampling Log

Date Sampling Tin Weather	ne	1-30-7(		Site Location Sampled By Recorded By Coded Replic		ETHPALE SW SW	- <u></u>	Well I	D_6///(~ -	390 A
Instrument Id Water Quality						Serial	#			
Casing Materi				Purge	Method		· · · · · ·			
Casing Diame				Scree	n Interval (ft l	omp) Top	o		Bottom	
Sounded Dept Depth to Wate		······		Pump Purge	Intake Depth Time		t	······································	Finish	
1				Field Paramete	r Measureme	nts During Purgi	ng			
Tíme	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos of mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1:00				18.8	5.16	95.0	727	8.12		35.68
1105			····	18.6	5.43	55.2	232	8.17		
1:10				18.6	5,41	95.2	232	8.22		1
1:15				18.6	5.42	950	232	8.15		
1:20				18.6	5.42	950-	233	8.16		35.64
1:25				18.6	5.41	953	235	8.25		1
1:30				18.5	S41	95.4	236	8,31		
1135				18.4	5.42	. 95.4	236	8.33		-
1:40		······		19.2	5.41	95.9	237	8.18		35.64
1:45				191	5,41	55.5	232	8.08		
1:50	·			19.2	5.39	96,3	238	8.05		
1:55				19.0	5,41	96.1	239	8.02		35.61
2:00					<u> </u>		23		-	
Collected Samp Parameter	le Condition		color <u>Ceu</u> Container	oriss	Odor	NOWE No.		Appearance_	<u>CU-999</u> Preservative	
								-	······	
PID Reading								-	<u></u>	
Comments										
_								·		*****
_										





Project	NO	RTAROP-	GRUMN		oundwate	er Samplin	g Log		-	
Project Numb Date Sampling Tim	7	1496.0410 -30.10	50000	Site Location Sampled By Recorded By		ETHAGE GW		Well ID	<u>6m-34</u>	PDB
Weather			······	Coded Replic		<u>-</u>				
instrument Ide	entification									
Water Quality	Meter(s)					Serial	#			
Casing Materia				-	Method		·			
Casing Diamet Sounded Dept		····		_	n interval (ft b Intake Depth		·	· · · · · · · · · · · · · · · · · · ·	Bottom	
Depth to Water		_ 38.3	34	- Purge		Star	t		Finlsh	
, , , , , , , , , , , , , , , , , , , ,			,	Field Paramete	r Measuremei	ts During Purgi	ıg			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:35				20.4	6.55	104.1	202	8.56		38.34
11:40				20.2	6.3	102.7	205	18.SZ		
11:45				19.6	5.91	991	216	8.45		
1150_				19,8	5.92	98.2	227	8.14		38.26
1:55				1418	553	98.2	228	8.50		
2:00				1918	5,49	48.0	229	8.41		
12:05				1916	5.46	98.4	230	8.37		
12:10				1916	5.46	48.2	236	3.58		 
12:15				19.6	5.27	78,3	242	- 8.54	. <u></u>	38.26
12:20				19.8	5.24	98.4	247	8.53		
12:25				-Fij	5118	18.2	249	8,46		
12:30				19.6	517	47.3	220	8.61		
12:35				19.5	5116	9814	251	8,62	<u></u>	38,25
ollected Sampl	e Condition	C	iolor <u>Olica</u>	<u>urss</u>	Odor_	NONE	L <u></u>	Appearance_(	LEAR	
arameter		c 	Container	. <u> </u>		No.			Preservative	
D Reading										
omments		······								
<u></u>										
					······					

Page \_\_\_\_\_ of \_\_

,



•					oundwate	r Sampling	J Log				
Project Project Numb Date Sampling Tim Weather	er NYDO	14962410 14962410 5-3-10		Site Location Sampled By Recorded By Coded Replic	G 6	Wełl ID	Gm.	<u>730</u>			
Instrument Ide Water Quality		,				Serial 1	¥				
Casing Materi Casing Diame Sounded Dept Depth to Wate	al ter h (ft bmp)			Screen Pump Purge		- ър) Тор					
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or m5/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)	
1.30			Ì	20.5	7.67	157.1	193	8.25		40.92	
1:35				20.4	7.26	145,8	197	8.47		· · · · · · · · · · · · · · · · · · ·	
1:40		- - -		20.2	GID	103.6	216	8:41			
1:45				20.2	6.06	103.1	216	8,40		40,90	
10				20,2	5.66	961	227	8.35			
1:55				20.2	5.64	961	228	×.17			
2.00		·-		20.2	562	96.1	230	8.19		40.91	
2.05				20.2	5,56	96.D	230	8,20			
2.00				20.1	5,47	95,2	236	8.09	· .		
2:15		:		20.1	5.45	95.3	237	8.06			
220				20,3	5,45	95.1	243	8.D1 :			
2:25			•	203	5.3/	95,2	243	:7.86			
2/20				20.1	5.26	<u>95,2</u>	246	7.73	.>20	<u></u>	
Collected Sam	de Condition		Color <u>(6) (A</u> Container	<u></u> <u>R.1&amp;35</u>	Odor_	NO.	······································	Appearance	<u>CLUXA</u> Preservative	2	
					-	<u></u>		- ·	•		
PID Reading			<u></u>	••••••••••••••••••••••••••••••••••••••	-		<u>,</u> .	<b>.</b>			
			-								
Comments	·										
			· · ·								
· •	······		4			<del></del>				<u></u>	

٩

1) Circle one unit type

GATECHNICLWOLFERTITechnical Forms/2005/owflowsampforms.sta - Stwett

Page \_\_\_

\_\_\_ of \_\_



Project Project Numbo Date Sampling Timo Weather	er NYDO1 	0 274A0 496.0410 -3-10	Low 2-6RUM -00002-	IMAN Site Location Sampled By Recorded By Coded Replicate No. <u>REP-7-3-W</u>				Well ID	<u>GM-7</u>	3D-2
Instrument Ide Water Quality		ń				Serial #				
Casing Materia Casing Diamet	al ter			Screer	Method h Interval (ft br				Bottom	
Sounded Dept Depth to Wate				_ Pump _ Purge	Intake Depth ( Time			-		······
			l	Field Parameter	Measuremen	ts During Purgin	a			
Time	Minutes Elasped	Flow Rate (mL/mln)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos)or 	ORP (mV)	DO . (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
3:00	2			21.6	5.68	96.1	223	8.04	:	42.79
3:05	- <sup>-</sup> - 			21.5.33	6A7	96.1	240	6.17		
3:10	;	· · ·		21.5	531	96,2	241	6:06		
3:15				21.5	5.31	96:2	242	6.15		
3:20				21.4	5,19	107	248	6.52	:	2700
3:25			1	21.4	5.18	<u>ا م</u> ا	256	6.46		37.95
3:30		<u>.</u>		213	5.06	108	263	6.37		
3:35				21.1	Sibl	108	2.65	6,13		1
3:40		- 		21.2	5,01	107	265	6152		· · · · ·
3.45		: : :		212	5.01	-107-	266	6.41		12775
<u>3.50 _ 1</u>		:		21.2	4,99	109	267	6.46		37.75
3:55		· · · · · · · · · · · · · · · · · · ·		21.8	4.99	107	269	6.00		<u>,</u>
4:00				21.0	.4.97	108.	261	6,34	<u> </u>	
Collected Same	ele Condition	\ 	Color <u>COU</u>	MERS_	l Odor_	NONV	<u> </u>	Appearance (	~LPAN	<u>1</u>
arameter			Container			No.	· ·		Preservative	
· · · · · · · · · · · · · · · · · · ·	·		<u> </u>		-		······	· · ·		
ID Reading	····		<u>.</u>	······································	-			<b></b>		
omments	M-SC	OPE N	<u>100 TO</u>	26006-L	15th					
			· · · ·							
- Circle one u			·····	· · · · · · · · · · · · · · · · · · ·						

٩

GATECHNICLIWOLFERT/Technical Forms/2005/jowflowsampforme.sts - Sheet1



				Low	v-Flow Gro	oundwate	r Sampling	g Log			
	Project Project Numb Date Sampling Tim Weather	er N <u>4001</u>	URTHROP 496 2210-1 7-13-10 URCAST	20002	Site Location	G		ians ians	Well ID	<u>Gm-7</u>	<u>4</u> T
	Instrument Ide Water Quality		jee (o	libration	- slee	<del> </del> -	Serial	#			
	Casing Materi Casing Diame Sounded Dept	al	4 1)(	<u>.</u>	_ Purge _ Scree	Method n Interval (ft br Intake Depth (f	— 1p) Top	G		Bottom/	'14
	Depth to Wate	r (ft bmp)	<u>36.</u> 6	<u>.</u>	Purge		Starl		40	Finish	1:25
		Minutes	Flow Rate	Volume	Field Paramete	r Measurement	Conductivity	ORP	DO	Turbidity	Depth to
	Time	Elasped	(mL/min)	Purged	(°C)	(s.u.)	(umhos or mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	Water (ft bmp)
	12:40				21.3	7.15	404	195	7.45		36.65
	12:45				21.0	7,16	366	194	7.43		
	12:50				20.5	7.19	268	192	7.35		
	12:55				20.3	635	248	193	7.12		36,70
	1:00				20,1	6,3/	167,8	194	7.04		
	1:105				19.7	5.99	137.9	198	6.8		-
	1:10				<u> </u>	58	129.1	200	6.67		36.75
	1:15				200	5.84	125,1	202	6,60		
	1:20				199	5,80	122.1	203	6.54		36.75
Smile	1.25				20.00	5,81	121.1	203	6,5/		
	A:30										
	(X3)										
	1:40										
	Collected Samp	ble Condition		Color Col	CP. UP35	Odor	NONE		Appearance	CIENTA	<u> </u>
	Parameter			Container		-	No.			Preservative	
		······	-								
2	PID Reading _										
	Comments										
	-										·
	<ul> <li>1) Circle one un</li> </ul>										

Page \_\_\_\_\_ of \_\_\_\_



.

			Lov	v-Flow Gro	oundwate	r Sampling	g Log			
Project	NO	RTH ROP	- GRUMI	MAN			·····		A	
Project Numb	er N <u>100</u>	14960410. 7-14-10	00802	Site Location	Be	THPACK		· Well II	<u>GM-7</u>	1D
Date	· · ·	7-14-10		Sampled By	G	ιŵ				
Sampling Tim				Recorded By		W				
Weather		UNCAST	<u>- 20</u> °5	Coded Replic	ate No	μ <u>ά</u>		•		
Instrument Ide	entification									
Water Quality	Meter(s)	see	Calibro	et in	shoot	_ Serial i	#			·····
Casing Materi	al			Purge	Method					<u></u>
Casing Diame	ter	4		Scree	n Interval (ft bn	ар) Тор	295		Bottom 3	05
Sounded Dept	h (ft bmp)	305		Pump	Intake Depth (f	t bmp)	,	60		
Depth to Wate	r (ft bmp)	<u> </u>	46	_ Purge	Time	Start		<u>fo</u>	Finish	2:10
	r	1	· · · ·	Field Paramete	r Measurement	s During Purgin		Т	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.) (シ、フィ	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
1:50				24.5	6.85	103.3	214	6.85	1	41.76
1:55				21.9	5.41	100.4	227	5,42	-	
2.00				205	5,08	100.9	2/3	4.97		
205				20.4	5.04	100,9	244	4.99		
2:10				20,3	5.01	101,3	244	4,82		
2:15				20.3	5.02	101.2	274	5.02		41.45
2:20				2012	4.89	100,2	249	9.94		
2:25				20,2	4.90	100.2	250	4.94		
21.30				201	4,80	100.5	254	4.97		
2:35				201	4.79	100.5	255	5,06		
2:40		······		20.0	4.76	100.2	2.56	5,00		41.42
2:45				20.0	477	91.0	258	4.96		
2:50				19:4	4.77	98.0	259	5.00		
					ļ.		l			
Collected Samp	le Condition		Color_COL	.ouess	Odor_	NONE		Appearance_	CLENAM	a production of the second second second second second second second second second second second second second
Parameter			Container			No.			Preservative	
	······				-	·····				
PID Booding	· · · · · · · · · · · · · · · · · · ·				-			<del></del>	<u>_,</u>	
PID Reading _										
Comments _										
-										
- 1) Circle one ur	it type									

•

Page \_\_\_\_\_ of \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_



				v-Flow Gro	oundwate	r Sampling	J Log			
Project Project Numi Date Sampling Tin Weather	ber <u>N400</u> 7	87 <u>K/CP-</u> 1496.04/ - 14-10		1. AUJ Site Location Sampled By Recorded By Coded Replic	C	any Will	NJ ians/ IIZny	Well ID	<u>6</u> m-	7402
Instrument lo						I				
Water Quality		h.				Serial i	¥			
Casing Mater		 			Method n Interval (ft br	ıp) Тор	542		Bottom 5	62.
Sounded Dep				Pump	Intake Depth (f	t bmp)			, 	
Depth to Wat	er (ft bmp)	47.7	1	Purge	Time	Start	3:/	10	Finish	4-213
		1	1	Field Paramete	r Measurement	s During Purgin	g (	1	1	Depth to
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)
3:10				244	5,08	940	260	4.08		47.79
3.15				20.5	4.90	93.5	264	2,03		
3:20				20.4	9,88	94.0	265	1.73		
3:25	X			203	5,20	130,7	268	1.56		
3:30				20.3	5.09	1327	271	2.37		47,79
3:35				20.3	5,08	133.2	271	2.64		
3:40				20.5	5,07	133,2	272	2.65		
3:45				2017	5.06	133.5	273	2.63	-	47.75
3:50				20.7	5.09	1.33,3	275	257		
3:55				206	5.05	1321	277	2.47		
4.00				20.5	5,06	131.9	277	2.36		
4:05				20.7	5,09	1314	279	2.48		
4110				20,2	5,03	131,3	2.79	2.38	<20	47.75
Collected Sam	ple Condition		color_CO (	OR (E3 S	Odor_	NONE		Appearance	<u>CU</u> A	<u> </u>
Parameter			Container	ŧ	Ŵ	No:			Preservative	
			·····		· .			-		
PID Reading										
Comments										
	× Coltx	WEED M	UTEN B.	ATTORY (	DW					······································
-										

· .

Page \_\_\_\_\_ of \_\_\_\_\_



·.			Low	-Flow Gro	oundwate	Sampling	J Log			
Project Project Numb Date Sampling Tim Weather	er NY 001	RTHROP- 496-0411 8/10	<u>CRUMA</u> 3.00002 /10	n And Site Location Sampled By Recorded By Coded Replic	(	THPALE FW FW KIA	<u>N</u> ¥	Well IC	<u>6m-7</u>	50-2
Instrument Ide Water Quality		•				Serial #	, D			
Casing Materi Casing Diame Sounded Dep Depth to Wate	al ter th (ft bmp)	4 33,	1.5	Screer Pump Purge	Method n Interval (ft br Intake Depth (f Time r Measurement	t bmp) Start	<u>N: L</u>			<u>ринр</u> 5-25 3:П <sup>-</sup> рт
. Time .	Minutes	Flow Rate	Volume	Temp	рН	Conductivity (umhos or	ORP	DO (mg/L)	Turbidity (NTU)	Depth to Water
2.55 3.05 3.05 3.10 3.10 3.10 3.20 3.20 3.20 3.30 3.30 3.30 3.30 3.3	Elasped	(mL/mln)	Purged	101 22.5 22.4 22.4 22.4 22.4 22.3 22.3 22.3 22.3	(s.u.) 8,23 8,17 8,06 1,43 7,37 6,91 6,81 6,64 6,64 6,22 6,22 6,20 5,95 5,93	107.0 103.3 103.3 103.5 106.6 106.7 106.7 10.5 10.5 10.5 10.1 10.1 110.1 112.5 112.5 112.9 112.5 112.9 113.5 114.3	(mV) 23 46 46 66 70 104 105 124 161 164 180 181	2:07- 5:43 6:01 5:87 5:87 5:77 5:73 5:70 5:73 5:70 5:73 4:93 5:10 5:76 5:03	6.28	(ft bmp) 33.15 33.15 33.10
Collected Sam Parameter <u>Sez</u> PID Reading	ple Condition		I Color <u>(5</u> /5) Container	les	0dor	<u>/1 000 2</u> No.		Appearance_	Preservative	
Comments										

1

#### 1) Circle one unit type

•... 2

GATECHNICLIWOLFERTATechnical Forms/2008/lowflowsampformates - Sheet1

# ARCADIS

Infrastructure, environment, facilities

Project Northrop Grummen Oli-2	Project No.	NOVIY	296.040	2. vw. 2	<u>,</u>	
Site Location <u>let page</u> , NY		Date _		6-13		
Well No. $GM - 785$ Replicate N	o <u>N/X</u>	Weathe	r Su	my g	<u> </u>	
Sampling Personnel Grywilling / Sum Sampling Ti	me: Begin	1033		End	1636	
Purge Data	Field Parameters	3				
Measuring Point (describe) 70C	Color	i lar les	colsters	Cololeur	Colorless	
Sounded Well Depth (ft bmp) 70	Odor	prop	nme	hus	porce	
Depth to Water (ft bmp) $36.87$	Appearance	clar	(Gr	Clear	<u>Clean</u>	
Depth to Packer (ft bmp)						
Water Column in Well (ft) <u>33.15</u>		<u> </u>	<u>    1v    </u>	2V	<u>3V</u>	
Casing Diameter $(o. bt)$	pH (s.u.)	6.24	6.15.	6.14	6.09	
Gallons in Well	Conductivity					
Galions Purged 자 2	(mS/cm) or					
Prior to Sampling <u>64.5</u>	(µmhos/cm) <sup>1)</sup>	1157	118.0.	·24, f	1264	
Pump Intake			÷			
Setting (ft bmp)	Temperature (°C)	21.0	18.6.	18.2	181	
Packer Pressure (psi)						
Pumping Rate (gpm)	DO (mg/L)					
Pumping Rate (gpm) <u>2 9 PM</u> Evacuation Method Win-dedicated Read-fls	ORP (mV)					
Sampling Method $3w v / low - flow$	Turbidity (NTU)	11.3	8,20	5.33	6.29	
Purge Time Begin $\frac{1}{2} \frac{\partial v}{\partial v}$ End $\frac{1}{2} \frac{\partial v}{\partial z}$	Time	1600	1670	16:24	1430年1	163
-	DTW (ft bmp)					
Demerke						
Remarks:						
Parameter Container	No.			Preservative	•	
TCL VOCS KEP 2000 400-100	2 Y Y			MC1 MACOL		
Cr/Cd 280 ind pla		······································		MAIUS		
PID Reading						
Well Casing Volumes           Gal./Ft. $1^{1/4}$ " = 0.06 $2$ " = 0.16 $3$ " = 0.37 $1^{1/2}$ " = 0.09 $2 \cdot \frac{1}{2}$ " = 0.26 $3 \cdot \frac{1}{2}$ " = 0.50	4" = 0.65 6" = 1.47					

Water Sampling Log

1) Circle one unit type

NM

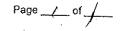
G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log

Page \_ \_ \_ of \_ \_ \_



·.		, i				er Sampling	g Log				
Project		xlorthus -1486 041	p farm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	021-2						
Project Numb	er <u>Al</u>	-1496 241	2. <u></u> 2.			ethpige,	MJ ,	Well ID	6m-	7 <i>p</i> +	
Date	+=====	7-16-0	2	Sampled By		Sanj Will?	$\sim 1$	K.	1 <u></u> .		
Sampling Tim	0		15	Recorded By		· K/+	Junj	- <u>X</u>	<u> </u>		
Weather	-)6 <u>24</u>	<u>~ 90</u>	<i> </i>	Coded Replic	ate No.	N/Ŧ	/				
Instrument Ide	entification	U									
Water Quality	Meter(s)	see	Cof ibr	atin :	slest	Serial	#				
Casing Materia	al			Purge	Method	non-	-dedicat	ed Do	di - flo	ı .	
Casing Diamet		4			n Interval (ft bi	mp) Top	90	ed <u>po</u>	Bottom	110	
Sounded Dept	h (ft bmp)	, ,		Pump Intake Depth (ft bmp)							
Depth to Water	r (ft bmp)	- 37,1	<u> </u>	Purge Time Start 15:55					Finish	\$-;YO.	
		·	,	Field Paramete	r Measuremen	ts During Purgin	ıg		·		
Time	Minutes	Flow Rate	Volume	Temp	рH	Conductivity (umhos or	ORP	DO	Turbidity	Depth to Water	
TISHC	Elasped	(mL/mln)	Purged	(°C)	(s.u.)	mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	(ft bmp)	
14:55	ſ	400		21-1	6.08	66.0	212	6.86			
15:00				19.9	6,0X	75.0	212	6.14			
1(:03				18.47	6.03	77.4	Tuz	630.		-	
15:10				20.2	5.03	78.8	205	5.99		37.14	
15:15				20.2	<u>(, 99</u>	81.7	702-	1.83-		·	
15:22				20.3	5.99	83.2	201	J.81		<u>.</u>	
15:25				20.6	1.99	121.6	203	<u>, F. 82</u>		37.14.	
15:30		-	<b>.</b>	20.7	t.49	123.1	198.	5.79			
(5:)5				22.4	5.98	123.1	198	5.76	·		
15:40		V		29.3	1.98	123.1	197	5.77	6.98	37.14	
				 	÷			:		<u> </u>	
			·····						· · · · · · · · · · · · · · · · · · ·	 	
					<u></u>	· · · · ·	-		[	<u> </u>	
				<u> </u>				<u> </u>		<u> </u>	
Collected Samp	le Condition			rles_	Odor_		<u>e.</u>	Appearance	Clar	·	
Parameter	· R.D.n	( 	Container Ao M	VOA		No. 35			Preservative		
Car / Cal	<u></u>		20 ml	plantic	-	<u> </u>	. '	<b>_</b> .	MARIO3		
. 70		· •				<u>.</u>		- · ·			
PID Reading		**									
Comments											
•	······································						i				
. <sub>4</sub>			· .	······							
· · · · -										·····	
Circle one un	it type										

4



Infrastructure, environment, facilities

ARCADIS

G

н.,		,	Lov	w-Flow Gre	oundwate	r Samplin	g Log			
Project Project Numb Date Sampling Tim	-7	10-16-10 6.0410.0 -16-10	<u> </u>	<u>нтрИсси</u> Site Location Sampled By Recorded By	Gan	y Dillice	NY sunnt	Any X	₀ <u>GM</u> –	791
Weather	Suni	<u>y 96</u>	:F	Coded Replic	ate No.	NA	/			
Instrument Id Water Quality	entification					Serial	#			
Casing Materi	al			Purae	Method	_	ted de	adde ,	pup.	
Casing Diame	ter	4		Purge Method <u>dealers</u> Screen Interval (ft bmp) Top <u> </u>			170		Bottom	180.
Sounded Dept		36.7	6		Pump Intake Depth (ft bmp)					
Depth to Wate	r (n omp)	70./		Purge		Start		3	Finlsh	41:58
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Fleid Parameter Temp (°C)	pH (s.u.)	Conductivity (umhos or mS/cm) 1)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:13	O	.450	·	22.8	719	96,0	200	8.02		
11:18	5			19.5	6.71	96 6	239	5.29	<u>`</u>	36.79
11:23	10			18, Y .	6 11	71.7	249	132		<u> -0,7/</u> 
11:28	15			18.6	5.88	73.9	246	6.5.9.		36.79
1:33	20			18.6	1.83	69.4	2-53	6.65	· · · · · · · · · · · · · · · · · · ·	1
11:38	25			18.6	5.75	69.6	2-5-1	6.57		26.78
11:43	30			18.8.	5,68	69:2	251	6.10.		
11:48	35			19.1	1.62	91.9	2656	6.56		36.78
11:53	C?	- 1		19.2	5.58	90.5	213:	6.81	· ·	
11:58	¥.5	V		19.0	5.54	87.7	259	6.99		36.78.
					<u>.</u>		. /	:	· /.	
				· · ·					.: 	
								[ 		<u> </u>
Collected Samp	le Condition	∖ G	olor <u>Cale</u>	r (ess	Odor	nn	<del>1111-1-2</del>	Appearance	der	
Parameter <u>761.</u> V0Cc	s. kp2	и т	iontainer 40ml	VOA		No.		<b>-</b> .•	Preservative	
PID Reading	·	. Bra						• - ·		
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>										
					· ,	······································				
			• •							
) Circle one uni	it type	•								

ŧ

GATECHNCLWOLFERTITechnical Forms/2006/jowflowsampforms.ds - Sheet1

									Page			
	ARCA	<b>ADIS</b>							, , , , , , , , , , , , , , , , , , ,			
Infrastruct	ture, enviro	nment, facil	ities					•		e set and a set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the		
N			Low	/-Flow Gro	oundwate	r Sampling	g Log			6-2		
•. Project		Horthrop	- Error	mpan OU-2								
•	er NYODIV	96.0410		Site Location Bethpage, NIT, Well ID GM-79D								
Date		16-10.		Sampled By	Gó	<u> </u>	y /Su	nry Xa				
Sampling Tim				Recorded By Sunny Xn								
Weather	Summ	1 <i>-1-95</i> "	<u> </u>	Coded Replica	ate No/	<u>'IS/MSI</u>	D/RE	p071610	1			
nstrument Ide	entification	1/	, ,			/						
Water Quality	Meter(s)	See	calibras	from she	207	Serial	#					
Casing Materia	al		-	Purge	Method	de	licated	) bladd	lan pin	p.		
Casing Diame	ter	4	4 Screen Interval (ft bmp) Top $28^{\circ}$ Bottom $290$									
Sounded Dept			Pump Intake Depth (ft bmp) 38,23 Purge Time Start <u>/2:/5</u> Finlsh <u>/3:00</u>									
epth to Wate	r (ft bmp <u>)</u>	<u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>				Start		5-	Finlsh	3:00		
			· · · · · · · · · · · · · · · · · · ·	Field Parameter	[	s During Purgit	1			Depth to		
Time	Minutes Elasped	Flow Rate (mL/mln)	Volume Purged	Temp (°C)	pH (s.u.)	(umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Water (ft bmp)		
12:15	0	:450		25.7	5.69	83.6	226	8:01.		·		
2:22	<u> </u>			25.1	5.59	82.9	229	7.00		15.35		
12:75	0	[ 		24.2	1-2.2	82.1	231	6.42.				
12:20	(5			23.3	5.42	81.7	232	4.43.				
12:25	- )~			23.0	6.35	82.8	2304	4.09				
12:40	75			229	5,31	83.6	-36	432		38.25		
12:45	<u>д</u> о .			23.1	<u>5.31</u>	85.6	236	4.42				
12:00	25			23,2	5.31	83.6	237	4.53	-			
12:55	γo	-		23,3	5127	86.4	238.	4.59	·	38,21		
12:00	45	Y		23.4	5.28.	86.5	239	4.631				
13:00	<u>j</u> ro			23.5	5.26	86.1	240.	464	2.			
13:10	ZI			23.3	5.25	21.7	241	.Y. 66	•	38:25		
1345	60	V	4, 4 , 4 4 A A A A A A A A A A A A A A A	-23.3	1,25	85.1.	242	4.68	-	2 - -		
ollected Samp	le Condition	× (	Color <u>(26</u>	rlen	Odor_	none	·	Appearance	dow	· ·		
arameter	ASP 2000	·	Container Aphal L	<u>0/4</u>		No.	· ·	<b>_</b>	Preservative			
						••••		<b>_</b>	<u></u>			
D Reading		. <del>.</del>		······································				<b></b>				
						•						
omments				<u></u>						. <u></u>		
<del>.</del>	. <u> </u>					·····						
			•									

la.

GITECHNCLWOLFERTITechnical Forme/2005/iowitowaampforms.sts - Shoet1



Page	ſ	of	ĺ
Faye		. 01	 ŀ

Project Northrop Gr	uman CU-2	Project No.	NY w 1.19	6,2412.0	nus 7	
Site Location Pett	p-xe, NI					
Well No. <u>Spow1-1</u>	, , , , , , , , , , , , , , , , , , , ,		Weath	,	unny q	
Sampling Personnel (1947.); []]	sampling Tir	me: Begin_			End	
Purge Data		Field Paramete				
Measuring Point (describe)	TOC.	Color 6	Iscless	3	istarlens.	ablen
Sounded Well Depth (ft bmp)	241	Odor	none	hove	pone	pone
Depth to Water (ft bmp)	28,19	Appearance	den	clean	clear	cler.
Depth to Packer (ft bmp)	169					
Water Column in Well (ft)			<u> </u>	1V	2V	3V
Casing Diameter	4" (0.65).	pH (s.u.)	<u>5.75</u>	5,67	5.29	5.20
Gallons in Well		Conductivity			r	
Gallons Purged	¥3-	( <del>mS/cm)</del> or				
Prior to Sampling		(µmhos/cm)	)" <u>108, 1</u>	78.9	86.3	80.2
Pump Intake			<b>.</b>	1	IS:1	. 15.3
Setting (ft bmp)		Temperature (°	c) <u>21,4</u>	16.4_	16,1	
Packer Pressure (psi)						
Pumping Rate (gpm)		DO (mg/L)				
Evacuation Method dedice	ted submersible pry	≫ORP (mV)				
Sampling Method		Turbidity (NTU)		······		
Purge Time Begin	End	Time				
		DTW (ft bmp)				
Remarks: (169-2-8.	19) × 0,43+50:	= mo bit				
( · · · · / · · · · · · · · · · · · · ·		f.	·····			
Parameter TCL VOCS 5242	Container Armel LOA	No3			Preservative	
·····						
PID Reading						
Well Casing Volu Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.1		41 - 0.05				
<b>Gal./Ft.</b> $1^{1/4_{\text{H}}} = 0.06$ $2^{\text{H}} = 0.1$ $1^{3/2_{\text{H}}} = 0.09$ $2 - \frac{1}{2} = -\frac{1}{2}$		4" = 0.65 6" = 1.47				

1) Circle one unit type



Water Sampling Log

Project NORTHROP - BRI	)mman.	Project No. <u>N40014</u>	96-040.	00002	
Site Location BETHPA	/		7-20-11		
Well No. BPOW.	*		•		CP-
	<b>_</b> ,	farranian	<i>,</i> //~		
Sampling Personnel GWXX	C Sampling Ti	me: Begin <u>2.40</u>	<u> </u>	End	
Purge Data		Field Parameters			
Measuring Point (describe)	TOL	Color Colorless	Glarles	Colorles	Globes
Sounded Well Depth (ft bmp)	<u></u>	Odor <u>have</u>	noue	pone	hora
Depth to Water (ft bmp)	29.50	Appearance clean	clear	dear	<u>cles</u>
Depth to Packer (ft bmp)	294				
Water Column in Well (ft)	41	I	1V	2V	3V
Casing Diameter	4"(D.65)	pH (s.u.) 1.32	6,81	6,08	5.55
Gallons in Well	26.65	Conductivity			
Gallons Purged	x 3	(m <del>S/cm)</del> or			
Prior to Sampling	20	(µmhos/cm) <sup>1)</sup> 67,7	1597 4	71,5	80.4
Pump Intake	-		17.1		
Setting (ft bmp)		Temperature (°C) <u>20.4</u>	23030	14,8	15,2
Packer Pressure (psi)		Υ.		t l	
Pumping Rate (gpm)		DO (mg/L)			
Evacuation Method		ORP (mV)			
Sampling Method		Turbidity (NTU)			
Purge Time Begin _	End	Time			
		DTW (ft bmp)			
Remarks:29v	1 2737 7( ()	x 43 450 -	180 AS		
	1-34312100	K d J T S		<u></u>	
Parameter TCLVOKS XVI.V	Container	No.		Preservative	
	······				
PID Reading	<u></u>				
Well Casing VolGal./Ft. $1^{1/4_{ii}} = 0.06$ $2^{ii} = 0$ $1^{1/2_{ii}} = 0.09$ $2^{-1/2_{ii}} = 10$		4" = 0.65 6" = 1.47			·······

1) Circle one unit type

ARCADIS	Page of
, Infrastructure, environment, facilities	
لکی Wate	er Sampling Log
Project Northrop Grunnan ou	-2 Project No. N/001496.0410.0002 Date 7-20-10
Site Location <u>Bethpage, NJ</u>	Date <u>7-2-10</u>
Well No. <u>BPO W 1-3</u> Replicat	te No. <u>NA</u> Weather <u>Sump 76*/</u>
Sampling Personn <u>el Aarywillims / Surg</u> Samplin	ng Time: Begin End
y , Purge Data	Field Parameters
Measuring Point (describe)	_ Color Colarless Colorless Colorless Slight bu
Sounded Well Depth (ft bmp) 419	Odor home have home none
Depth to Water (ft bmp) 30, 89	Appearance claur clear clear
Depth to Packer (ft bmp) 344	
Water Column in Well (ft)	I 1V 2V 3V
Casing Diameter $4''(o, 6F)$ .	pH (s.u.) 4.85 4.39 4.37 4.20
Gallons in Well	Conductivity
Gallons Purged	(mS/cm) or
Prior to Sampling	(umhos/cm) 3 101.0 121.3 84.1 103.X
Pump Intake	
Setting (ft bmp)	
Packer Pressure (psi)	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method	ORP (mV)
Sampling Method	Turbidity (NTU)
Purge Time Begin , 712 End (73.	5. Time 17:12 17:19 1727 17:31
l l	DTW (ft bmp)
A = A = A = A = A = A = A = A = A = A =	Car and the set
Remarks: $414-30-87(344-30)$	2. 89) XO(X) + 10 = 185
	· · · · · · · · · · · · · · · · · · ·
Parameter Container	No. Preservative
<u>Tak vols frue. 2 40 hp a</u>	
PID Reading	
Well Casing Volumes	
Gal./Ft. $1^{1/4_{u}} = 0.06$ $2^{u} = 0.16$ $3^{u} = 0.37$ $1^{1/2_{u}} = 0.09$ $2 - \frac{1}{2} = 0.26$ $3 - \frac{1}{2} = 0.50$	4" = 0.65 6" = 1.47

1) Circle one unit type

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log.XLS - Log



Maton	Camp	lina	1
Water	Samp	nng	LUY

Project <u>Korthrop</u> G	vunan ou-	کے۔ Project No.	NYODIA	96 2413.	un L	
Site Location Betty	age, NY		Date	7-2	1-12	
Well No. BPOW 3-		NO. MA	Weath		viny	92012.
γ,					) /	<b>,</b> ,
Sampling Personnel Gory Vil	lims / Sum Am Sampling	Time: Begin		-	End	
Purge Data		Field Parameters	S			
Measuring Point (describe)	700	Color (	Jor les	Colorless	colaless	Colorles
Sounded Well Depth (ft bmp)	516	Odor	pono	none	poro	mane
Depth to Water (ft bmp)	NA accessible	Appearance	<u>clear</u>	clean	clear	clean
Depth to Packer (ft bmp)	414					
Water Column in Well (ft)			<u> </u>	1V	2V	<u>3V</u>
Casing Diameter	4 <sup>''</sup>	pH (s.u.)	4.15	4.13	4.20	4.78
Gallons in Well	198.9 Cacinely to	pre Conductivity				
Gallons Purged	)	, ( <u>mS/cm)</u> or	<u></u>			
Prior to Sampling		(µmhos/cm) <sup>1)</sup>	1018	69.0	69.3	78.X
Pump Intake						
Setting (ft bmp)		Temperature (°C)	21.7	18.0	17.5	(6.7
Packer Pressure (psi)	2.70		/			1
Pumping Rate (gpm)		DO (mg/L)			ļ	
Evacuation Method		ORP (mV)				
Sampling Method		Turbidity (NTU)				······
Purge Time Begin	100 End 1532	Time	15:00	15:12	11:22	15:22
		DTW (ft bmp)				<u> </u>
Deveeder						
Remarks:						
		· · · · · · · · · · · · · · · · · · ·				
Parameter	Container	No.			Preservativ	6
TCL 104 1242	40 ml V0,				HCI	
					<u></u>	
PID Reading						
Well Casing Vo Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 1		A" - 0.65				
1.01	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	4" = 0.65 6" = 1.47				

1) Circle one unit type



Page		of	- <i>f</i>
------	--	----	------------

Water Sampling Log

Project	orthop	<u>En-an</u>	<u>(U-)</u>	Project N	اo. <u>۸</u> /	1001796	1.0410 x	no Z	
Site Location	Rettyag	R. NY			,	Date	7-21	-10,	
Well No.	BPOW 3-	2	Replicate	No. <u>NA</u>		Weathe	er	Samp	92F.
	- <i>y</i> - <i>p</i>							)	· .
Sampling Personr	nel Granf 2711	ions/Su	Sampling	Time: Beg	gin			End	
Purge Data				Field Parar	meters				
Measuring Point (	describe)	70	C ·	Color	ζ	olorless.	Choless	Gorbers	ables.
Sounded Well Dep	oth (ft bmp)	60	F7.	Odor		hour	pone	none	paa
Depth to Water (ft	bmp)	Not a	cceps: 66	Appearance	e.	c Canar	cler.	clear	den.
Depth to Packer (f	t bmp)	-						Į	
Water Column in V	Vell (ft)					1	1V	2∨	3V
Casing Diameter		4	1 o 65	pH (s.u.)		5.13	4.94	4.90	4.86
Gallons in Well				Conductivity	y				
Gallons Purged				(mS/cm	) or				
	Sampling	2.80	> (per pri	turinos	/cm) <sup>1)</sup>	69.4	67:4	62.5	60.0
Pump Intake					·				
Setting (	ft bmp)			Temperatur	re (°C)	21.0	(8-8)	17.8	128.
Packer Pressure (		254	psi.						
Pumping Rate (gpr				DO (mg/L)					
Evacuation Method				ORP (mV)					
Sampling Method				Turbidity (N	ITU)				
Purge Time	Begin		End	Time		11:26	13:53	•	
U	Ŭ			DTW (ft bm	י. (קו				
Remarks:	· · · ·								
					<u>.</u>				······
Parameter TCL UQCS	524.2		Container		10. 3			Preservative	6
				<u> </u>					
PID Reading									
Gal./Ft. 1 <sup>1/4</sup> " = 0.0	Well Casing Vo 06 2" =		3" = 0.37	4" = 0.65					
$\frac{1^{1/2}}{1^{1/2}} = 0.0$			3 = 0.37 $3 - \frac{1}{2}'' = 0.50$	4 = 0.03 6" = 1.47					

1) Circle one unit type



Page \_\_\_\_\_ of /\_\_\_\_

Water Sampling Log

Project Northoop Eu	riemman	Project No	Naita	6.0410.	ans 2	
Site Location Betty	YE, NY			7-22		
Well No. 500W 4-	Replicate N		Weath		inny.	89°1=
Sampling Personn <u>el (1044</u> 12/11/10	13 Sunny Xw Sampling Ti	me: Begin			End	
Purge Data		Field Paramete	rs		}	1
Measuring Point (describe)	TOL Screen	Color	( Jales	(dorlers	Cololey	Colorless
Sounded Well Depth (ft bmp)	652 692	Odor	none	port	hone	has
Depth to Water (ft bmp)	······	Appearance	<u>clear</u>	Clear	clear	clean
Depth to Packer (ft bmp)	503 612		:			
Water Column in Well (ft)	-149 40		<u> </u>	1V	2V	3V
Casing Diameter	4'(0.65) 2'(0.16)	рН (s.u.)	4.94.	471	4.72	4.77.
Gallons in Well	<u>96.85 + 6.4</u> *3	Conductivity				
Gallons Purged	×>	(mS/cm) or				
Prior to Sampling	309	(µmhos/cm) <sup>1</sup>	1) 32.9	18.1	69.2	58.9
Pump Intake	'		- 1	<i>&gt;</i> /	<i>.</i>	,
Setting (ft bmp)		Temperature (°C	19.8	18.1	16.9	15.6
Packer Pressure (psi)	21-2 psi		/		,	
Pumping Rate (gpm)	· · · ·	DO (mg/L)				
Evacuation Method		ORP (mV)				
Sampling Method		Turbidity (NTU)				
Purge Time Begin	143 End 1630	Time	14-31	1545	16:05	1630
	ξ. '	DTW (ft bmp)				
Remarks:						
	<u></u>					
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
Parameter TCL WCS SW. 2	Container <u>Aomt VoA</u>	No		-	Preservative H (/	
PID Reading		-		-		
Well Casing Vo           Gai./Ft. $1^{1/4_{11}} = 0.06$ $2^{"} = 0$ $1^{1/2_{11}} = 0.09$ $2^{-1/2_{11}}$	0.16 3" = 0.37	4" = 0.65 6" = 1.47				

1) Circle one unit type



Infrastructure, environment, facilities

Water Sampling Log

Project Northrop Grunnen	ore-2	Project No	Morieg	6.0410.0	nns 2	
Site Location Bethyrge,	rt Ji		Date	7-	22-10	
Site Location Bethproge, Well No. <u>POW4-2</u>	_ Replicate N	o. MA	Weath			89:°F
Sampling Personn <u>el Gruppilliurs / Sur</u>		me: Begin_			End	
Purge Data		Field Paramete	ers			
Measuring Point (describe)	C .	Color	Colorleys ]	Colorless	Cobley	Cobley
Sounded Well Depth (ft bmp)	4.	Odor	home	hope	None	Unp
Depth to Water (ft bmp)	cas:66.	Appearance	dear	dec	clear	clear.
Depth to Packer (ft bmp) 50	<u> み</u> 、					
Water Column in Well (ft)			<u> </u>	1V	2V	3V
Casing Diameter4`(	0.65)	pH (s.u.)	4.44	4.18.	4.39	4.60
Gallons in Well		Conductivity		ł	/	
Gallons Purged		(mS/cm) or				
Prior to Sampling <u>50 9</u> (	per previous !	) (µmhos/cm)	<u>)54.</u> ]	91.0	63.7	57.9
Pump Intake	, ,					
Setting (ft bmp)		Temperature (°(	0) <u>18.0.</u>	14.2.	16.4	15.6
Packer Pressure (psi)						
Pumping Rate (gpm)	- <u></u>	DO (mg/L)				
Evacuation Method	<u></u>	ORP (mV)				
Sampling Method		Turbidity (NTU)			-,- ,,	
Purge Time Begin <u>9210.</u>	End 1237	Time	9=10	9:37	1/207	12:37
1		DTW (ft bmp)		/		
Remarks: 50						
					<u> </u>	
	Container 4º M vOA	No.			Preservative H C i	<del>}</del>
				•		
PID Reading						
11/2/1 0.00	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47		·	<u>,                                   </u>	

1) Circle one unit type

PINK - Retained by ARCADIS	YELLOW – Lab copy	ults	WHITE - Laboratory returns with results	WHITE -	Distribution:			
Oale/filme:	Date/Time:	Dale/Time:	732 7233	Date/Time:	ir lemp:	Condition/Cooler Temp		
Firm:	Firm/Couner:	FIRMUCOURED	Joy Car Star	2	ı .			Shipping Tracking #:
Sigrature.			A second second second between a			Sample Receint		Specify Turnaround Requirements:
Saveline.	Sionalure	Signalure:		Signa	Not Intact	🗆 Intact		packed v
Printed Name:	Printed Nam	Printed Name:	N 1	Printed Name:	Seal (🗸)	Cooler Custody Seal (*)	A way to all here to a	College Land Alexa
	Received By Relinquished By	Racel	Relinquished By			n and Receipt	Laboratory Information and Receipt	ah Name:
	Instructions( );</td <td>☐ Special QA/QC Instructions(√);</td> <td></td> <td> - -</td> <td></td> <td></td> <td>ninents:</td> <td>opecces mass actions/continuents:</td>	☐ Special QA/QC Instructions(√);		 - -			ninents:	opecces mass actions/continuents:
				3	7	8	(2)	CT /V] ~
							11710	
4.			*			1-12-12		\[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \lefty \]     \[         \l
					dino			C M
PEMADKC				Matrix	Type	Collection	Sample ID	Sam
10.111		-	400	and the second	Aar	Sámpler's Signature:	YAAR YA	Sampler's Printed Name: Control of the Control of t
9				202 24	19/2, 0440, and	Project #:	un / He there .	And August City States
6. 2 02 UI885 G. Other							NY H747	<b>8</b> Mar 10 //a
D NaCH 4 500 ml Plastic			Container Information	14. <i>Q</i>	-247-7613	가 2 년 년 ···· E-mail Address:	State Zip	nd R 2 Hunder Anton
ωŅ			#of Containers		- 	Fax		Address
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	641-249	Arlosty	11000007
Keys			Preasonvative			Telephone:	<u>ب</u>	Contact & Company Name:
	<b>I</b> Page <u></u> of <u>↓</u>	EST FORM	ANALYSIS REQUEST FORM	ANA				infrastructure, environment, buildings
Lab Work Order #	TORY	LABORA	CHAIN OF CUSTODY & LABORATORY	IAIN O	ဂ္		ID#:	ARCADIS

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{                                    $	Image: Second Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construction of Construct	·.
Biology (a)         Column (b)         Column	And of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S       and of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S       and of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S       and of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S     Bit and Control of S	Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode         Mode <th< td=""><td>Shipping Tracking #: Condition (Co</td></th<>	Shipping Tracking #: Condition (Co
Norwanning         Norwanning         Dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the dial of the	Партис (, 5)         Полити (, 5)         Полити (, 6)         Полити (.	Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit <td>Specify Turnaround Requirements: Sample Req</td>	Specify Turnaround Requirements: Sample Req
Name         Name         Operation         Name         Operation         Name         Operation         Name         Name </td <td>And A.S.         Balance         &lt;</td> <td>Image: Second Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Co</td> <td></td>	And A.S.         Balance         <	Image: Second Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Co	
Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana         Navana yana	Arricul S     Normal     Provide S     Normal S     Provide S     Normal S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S     Provide S<	Mark         Final Annalistic	Now Down of the I have son
Marcel S         Marcel G	Applic AS     Name     Description     Name     <	Image: Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second	caporatory informatio
An or of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S         Provide of S <td>Arred S     Image: Construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the c</td> <td>Beau Name     Provide     Provide     Provide     Concerning     Concerning     Concerning     Provide     Concerning     Concerning</td> <td></td>	Arred S     Image: Construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the c	Beau Name     Provide     Provide     Provide     Concerning     Concerning     Concerning     Provide     Concerning	
Art of S         Period         Baselon         Baselon <t< td=""><td><math display="block">\begin{array}{                                    </math></td><td>Image: Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second</td><td></td></t<>	$\begin{array}{                                    $	Image: Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second	
and         Total         2 (1/2)         Total         Total         And         <	Applied S     Intervent     Part (N)     Part (N)     Part (N)     Part (N)       Applied S     Intervent     Intervent     Intervent     Intervent     Intervent       Applied S     Intervent <t< td=""><td>Image: Contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the secon</td><td>pecial Instructions/Commenter</td></t<>	Image: Contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the secon	pecial Instructions/Commenter
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S     Information       Applied S <td>Image: Constraint of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se</td> <td>т. </td>	Image: Constraint of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	т. 
Result         Result         Base of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	Apple L     Townshing     Townshing     Townshing     Townshing       Apple L     5     5     5     5     5       Apple L     4     4     4     4     4       Apple L     4     4     4     4     4       Apple L	Provide     Parameter     Paramet	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Image: Second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and t	
Number         Prevention         Preventin         Preventin <td>Arred A     Tomore     Prevention     B     Prevention     B       and     b     b     c     c     filler     c     c       and     b     c     c     c     filler     c     c       and     b     c     c     c     filler     c     c       and     b     c     c     c     c     c     c       and     c     c     c     c     c     c</td> <td>Bit     Collection     Type (1)     Matrix     PARAMETER ANALYSIS &amp; METHOD     E     Cone       Mark     Samer's Sensure     Collection     Type (1)     Matrix     Matrix     H     H     One       Mark     Collection     Type (1)     Matrix     Matrix     H     H     One       Trag     Cone     Goine     Matrix     H     H     One     H     One       Trag     Cone     Matrix     H     H     H     One     H     One       Trag     Cone     H     One     H     One     H     One     H       Trag     One     H     H     H     H     One     H     H     H       Trag     One     H     H     H     H     H     H     H     H       Trag     H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H</td> <td></td>	Arred A     Tomore     Prevention     B     Prevention     B       and     b     b     c     c     filler     c     c       and     b     c     c     c     filler     c     c       and     b     c     c     c     filler     c     c       and     b     c     c     c     c     c     c       and     c     c     c     c     c     c	Bit     Collection     Type (1)     Matrix     PARAMETER ANALYSIS & METHOD     E     Cone       Mark     Samer's Sensure     Collection     Type (1)     Matrix     Matrix     H     H     One       Mark     Collection     Type (1)     Matrix     Matrix     H     H     One       Trag     Cone     Goine     Matrix     H     H     One     H     One       Trag     Cone     Matrix     H     H     H     One     H     One       Trag     Cone     H     One     H     One     H     One     H       Trag     One     H     H     H     H     One     H     H     H       Trag     One     H     H     H     H     H     H     H     H       Trag     H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H     H       H     H     H     H     H     H     H     H     H	
Instructure         Base of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	An one         Inservice         I	Information     Parameter AnALYSIS & METHOD     F one       Image: The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	
Number         Риссий	Arred S     Tempore     Tempore     Tempore     Tempore     Tempore       Arred S     51 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     51 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     51 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     51 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     50 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     50 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70     50 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     70 - 2 U G - 7 6 / 2     5 Stade(r)     5 Stade(r)     5 Stade(r)     5 Stade(r)       an     7 Stade(r)     7 Stade(r)     7 Stade(r)     5 Stade(r)     5 Stade(r)       an     7 Stade(r)     7 Stade(r)     7 Stade(r)     7 Stade(r)     5 Stade(r)       an     7 Stade(r)     7 Stade(r)     7 Stade(r)     7 Stade(r)     5 Stade(r)       an     7 Stade(r)     7 Stade(r)     7 Stade(r)     7 Stade(r)     5 Stade(r)       an     7 Stade(r) <td< td=""><td>Image: Second Address     Image: Second Address     <th< td=""><td></td></th<></td></td<>	Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address     Image: Second Address <th< td=""><td></td></th<>	
Number         Production         Production<	Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve       Arradics     Improve <td< td=""><td>Zo     EmalAdras       Zo     EmalAdras       M     Frages       M     Matrix       M     Matrix</td><td></td></td<>	Zo     EmalAdras       Zo     EmalAdras       M     Frages       M     Matrix	
Nume         Instruction         Parameters         Parameters </td <td>Arrich's     Tennor     Prevention     Prevention     Prevention     Prevention       Arrich's     1/2/2     1/2/2     1/2/2     1/2/2     1/2/2     1/2/2       D     1/2/2     1/2/2     1/2/2     1/2/2     1</td> <td>Image: Stand Advise     Part Advise     PARAMETER ANALYSIS &amp; METHOD     E coner       Image: Standard Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard</td> <td></td>	Arrich's     Tennor     Prevention     Prevention     Prevention     Prevention       Arrich's     1/2/2     1/2/2     1/2/2     1/2/2     1/2/2     1/2/2       D     1/2/2     1/2/2     1/2/2     1/2/2     1	Image: Stand Advise     Part Advise     PARAMETER ANALYSIS & METHOD     E coner       Image: Standard Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard	
Instance         Instance         Free warmage	Arriad S     Non-     Particular     Presentation (System)       Arriad S     10     31-34.4 - 7673     Resentation (System)       Arriad S     10     10     10     Resentation (System)       Arriad S     10     10     10     10       Arriad S<	Instrume     Instrume     PARAMETER ANALYSIS & METHOD     E None       Image: Propertie     Sample's Signature     Image: Parameter Analysis & METHOD     E None       Sample's Signature     Sample's Signature     Matrix     Image: Parameter Analysis & METHOD     E None       Collection     Type (r)     Matrix     Image: Parameter Analysis & METHOD     G Other       Date     Time     Comp     Grad     Image: Parameter Analysis & METHOD     H Other       V     V     V     V     V     Image: Parameter Analysis & METHOD     Image: Parameter Analysis & METHOD     E None       V     V     V     V     V     V     Image: Parameter Analysis & METHOD     Image: Parameter Analysis & METHOD<	N- 4-2 1
Number         Importer         France/site         F	Arriad S     Tagona       Arriad S     10       Arriad S <td>Instrume     Proprint     Instrume     PARAMETER ANALYSIS &amp; METHOD     E. None       M     Projet     Projet     F. Other     F. Other     F. Other       M     Projet     Sampler's Signature     F. Other     G. Other     G. Other       Collection     Type (r)     Matrix     Matrix     H. Other     H. Other       Date     Time     Comp     Grad     F. None     State       Table     Oomp     Grad     Matrix     F. None     State       Table     Time     Oomp     Grad     F. None     State       Table     Time     Oomp     Grad     F. None     State       M     Matrix     Matrix     Matrix     F. None     State       M     Matrix     Matrix     Matrix     F. None     State</td> <td>Z I A</td>	Instrume     Proprint     Instrume     PARAMETER ANALYSIS & METHOD     E. None       M     Projet     Projet     F. Other     F. Other     F. Other       M     Projet     Sampler's Signature     F. Other     G. Other     G. Other       Collection     Type (r)     Matrix     Matrix     H. Other     H. Other       Date     Time     Comp     Grad     F. None     State       Table     Oomp     Grad     Matrix     F. None     State       Table     Time     Oomp     Grad     F. None     State       Table     Time     Oomp     Grad     F. None     State       M     Matrix     Matrix     Matrix     F. None     State       M     Matrix     Matrix     Matrix     F. None     State	Z I A
Nume         Propulsion         Provide (C)         P	Important     Important     Free (1)     Free (1)     Free (1)       Arr.c.d. S     10     11     10     11     10       Arr.c.d. S     10     11     10     11     10       Arr.c.d. S     10     11     10     10     10       Arr.c.d. S     10     11     10     10     10       Arr.c.d. S     10     11     10     10     10       Arr.c.d. S     10     10     10     10     10 <t< td=""><td>Zo     Email Address       Zo     Email Address       Zo     Email Address       Zo     Project #       Av     Project #       Av     Project #       Sample's Signature     Collection       Time     Comp       Grad     Matrix       Date     Time       Comp     Grad       V     V       V     V       V     V       V     V       V     V       V     V</td><td>40</td></t<>	Zo     Email Address       Zo     Email Address       Zo     Email Address       Zo     Project #       Av     Project #       Av     Project #       Sample's Signature     Collection       Time     Comp       Grad     Matrix       Date     Time       Comp     Grad       V     V       V     V       V     V       V     V       V     V       V     V	40
Name     Paramyone     Paramyone       a. M. And A.     (b.31-3)(3-m)(2)     filomet(n)       State     20     E-mail Address       State     20     20       State </td <td>Arrestor     Presentation (sec)       Arrestor     Silverd (c)       Silverd (c)     Silverd (c)       Silverd (c)<!--</td--><td>Zo     Email Address     Information     Information       Zo     Email Address     Parameters     PARAMETER ANALYSIS &amp; METHOD     E None       A////////////////////////////////////</td><td>- 40</td></td>	Arrestor     Presentation (sec)       Arrestor     Silverd (c)       Silverd (c)     Silverd (c)       Silverd (c) </td <td>Zo     Email Address     Information     Information       Zo     Email Address     Parameters     PARAMETER ANALYSIS &amp; METHOD     E None       A////////////////////////////////////</td> <td>- 40</td>	Zo     Email Address     Information     Information       Zo     Email Address     Parameters     PARAMETER ANALYSIS & METHOD     E None       A////////////////////////////////////	- 40
Invarie     Important     Preservative     Preservative     Preservative     Preservation Key:       2     Arrital S     Fax     () () () () () () () () () () () () () (	Arriad S     Telephone       Arriad S     10       Arriad S     10       Far     10	Zo     Email Address     OTTAC     Information     PARAMETER ANALYSIS & METHOD     E None       A/L     Project#     Address     E None     E None     E None       A/L     Project#     Address     E None     E None       A/L     Sampler's Signature     E None     E None       Collection     Type(1)     Matrix Key.     SE s       Date     Time     Comp     Gate       V     V     V     V	715
Instance     Instance     Processoration       2 M     Arrad 4     Fax     Fax       2 M     Arrad 4     Fax     Fax       2 M     Arrad 4     Fax     Fax       State     Fax     Fax     Fax       State     Fax     Fax     Fax       N     H       N     H    <	Arriad S     Telephone       Arriad S     Telephone       Arriad S     Telephone       Top     Francisco	Zo     Email Address     O T > Y O T     Information     PARAMETER ANALYSIS & METHOD     E None       Zb     Freiland     Folget, T     Folge	3071510
Invane     Preservation       2 ml     Article       3 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article       4 mode     Article <t< td=""><td>And A     Telephone       And A     Telephone       And A     Total Address       Be     For       Be     For   </td></t<> <td>Internation     Internation     Internation       Zo     E-mail Address     PARAMETER ANALYSIS &amp; METHOD     E. None       A// 4//     Project #     Parameter Signature     E. Other       A// 4//     Sampler's Signature     E. Other     H. Other       Collection     Type (r)     Matrix Key:     SE: S       V// 4//     V// 4//     V// 4//     V// 4//     Matrix Key:       Sampler's Signature     Son Six Key:     SE: S       V// 5//     V// 4//     V// 4//     V// 4//</td> <td>Date</td>	And A     Telephone       And A     Telephone       And A     Total Address       Be     For	Internation     Internation     Internation       Zo     E-mail Address     PARAMETER ANALYSIS & METHOD     E. None       A// 4//     Project #     Parameter Signature     E. Other       A// 4//     Sampler's Signature     E. Other     H. Other       Collection     Type (r)     Matrix Key:     SE: S       V// 4//     V// 4//     V// 4//     V// 4//     Matrix Key:       Sampler's Signature     Son Six Key:     SE: S       V// 5//     V// 4//     V// 4//     V// 4//	Date
Instance     Interprote       2 all     Artal       2 all     Fax       2 all <td< td=""><td>And S Telephone Preservation Key, And S Telephone Fileed () ae Zp E-mail Address A T</td><td>Zop     E-mail Address     D T T Y Y Y Y     Information     PARAMETER ANALYSIS &amp; METHOD     E None       11/10/1     Project #     V Y Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y Y Y     V Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y</td><td></td></td<>	And S Telephone Preservation Key, And S Telephone Fileed () ae Zp E-mail Address A T	Zop     E-mail Address     D T T Y Y Y Y     Information     PARAMETER ANALYSIS & METHOD     E None       11/10/1     Project #     V Y Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y Y     V Y Y Y Y Y Y     V Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y Y Y Y     V Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	
Invane     Preservation     Preservation Key:       2 ml     Article     Fax       3 main     Article     Fax       3 main     Article     Breaservation Key:       3 main     Article     Constituen       3 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:       4 main     Article     Breaservation Key:	And A     Telephone       And A     Telephone       And A     Fax       And A     Fax       Be     Fax       And A     Fax       And A     Fax       Be     Fax       And A     Fax       Be     Fax       And A     Fax       And A     Fax       Fax     Fax       A     Fax       A     Fax       Fax     Fax       <	Zo         E-mail Address         D // // // // // // // // // // // // //	onn / Commy Kn
Contract & Company Warne     Reservation     Preservation     Preservation       Matrices     Fax     (3)     (3)     (2)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1)     (1) <td>Applicad (S     Telephone:       Applicad (S     Telephone:       Applicad (S     Base       Zo     Fillend (D)       Be     Zo       E-mail Address:     Sof Container       Applicad (S)     Sof Contain</td> <td>Top     E-mail Address:     Information     I     E     E     None       7(L, 7)     E-mail Address:     PARAMETER ANALYSIS &amp; METHOD     E     Other       7(L, 7)     E     PARAMETER ANALYSIS &amp; METHOD     E     Other</td> <td>A balture in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s</td>	Applicad (S     Telephone:       Applicad (S     Telephone:       Applicad (S     Base       Zo     Fillend (D)       Be     Zo       E-mail Address:     Sof Container       Applicad (S)     Sof Contain	Top     E-mail Address:     Information     I     E     E     None       7(L, 7)     E-mail Address:     PARAMETER ANALYSIS & METHOD     E     Other       7(L, 7)     E     PARAMETER ANALYSIS & METHOD     E     Other	A balture in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Internal Address     Information     Information     Information     End       Zp     Email Address     PARAMETER ANALYSIS & METHOD     E Other	No vila si i 74.7
$ \begin{array}{c} \text{Contract & Company Name} \\ \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c } \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ $		City State Zip
Vortact     Contact     Contact     Preservative     Preservative     Preservative       Motionstructure     Filter of Contact     Contact     Contact     Contact     Contact     Contact       Motionstructure     Contact     Contact     Contact     Contact     Contact     Contact       Motionstructure     Contact     Contact     Contact     Contact     Contact     Contact       Motionstructure     Contact     Contact     Contact     Contact     Contact     Contact	Interview     Preservation Key:       Fax: $2 \leq (1 - 2) \leq 2 \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) \leq (1 - 2) < (1 - 2) \leq (1 - 2) < (1 - 2) \leq (1 - 2) < (1 - 2) < (1 - 2) < (1 - 2) < (1$		2 Martin march and and a
Conset & Company Warne: Respirance: Respirance: Preservation Key:		Fax For shorten A. H.So. B. HCL	Address: Fax: 5
		A response Preservation Key	relation of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

PINK – Retained by ARCADIS

ş,

\$ . .

YELLOW -- Lab copy

WHILE - Laboratory returns with results

ARCADIS	10#: 10528	CHAIN O	CHAIN OF CUSTODY & LABORAT ANALYSIS REQUEST FORM	RATORY	Page of	Lab Work Order#
Contact & Company Name:	Telephone:	249 - 7 Jos	Filored (r)			on Key:
Result Address	Fax Fax	0.96-252	#or Containers			B. HCL 2. 1L Amber C. HNO, 3. 250 ml Plastic D. NaOH 4. 500 ml Plastic
Sen civy State	Zip E-mail Address:		PA	ER ANALYSIS & METHOD	/ /	
کابر State): ∱/∦د ج¢≈ ب	NY WWWWWWWWWWWW	or in and				
1	V X 4	Laurence and annual	C 🖉			Matrix Key: SO - Soll SE - Sedment NL - NAPL/Oil
Sample ID	Collection Date Time	Type (*) Matrix	To X			ରି 📃
- 7B07/610	Start - Co					
M-		s trans	~~~~~			
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		· · · · · · · · · · · · · · · · · · ·	, estimation (		S W	N M SD
10/10/w			~			
$\sqrt{\frac{1}{2}}$		- *- · · · · · · · · · · · · · · · · · ·	- Array			
	-					
F8071610	<	×	tonijar			
	· · · · ·					
T						4
Special Instructions/Comments:						
				Please (LVS. (	н GM-790 /6-	- BAYOC MS/MSD
Lab Name:	Laboratory Information and Receipt		Relinquished By	Received By	Relinguished By	
Shark mulytrel			Na me	Printed Name:	Printed Name:	Printed Na
Cooler packed with rce (V)		Not Intact     Signature	<u>.</u>	Signature:	Signature:	Signature:
shearth i musiconus kedancements.	Sample Receipt:	Firm:	And and a second second second second second second second second second second second second second second se	Firm/Couner:	Firm/Courier	Firm:
a firming a	Condition/Cooler Temp:	TIP Dale/Time	. ne:	Date/Time:	Date/Time:	Date/Time:
	Dist	Distribution: WHITE -	WHITE - Laboratory returns with results			

PINK Retained by ARCADIS	YELLOW – Lab copy		WHITE - Laboratory returns with results	WHITE -	Distribution:		
Date/Time:	Date/Time:	Date/Time:	ne: 	DateTime	Condition/Cooler Temp:	Condition/	
Fim:	Firm/Couver	Firm/Couner:		Furm:	ceipt	Sample Receipt	Shipoing Tracking #:
Signature:	Signature:	Signature:	e.	Signature	Not Intact	L Intact	Sectiv Turnament Recurrences
Printed Name:	Printed Name:	Printed Name:	me	Prinxled Name:	tody Seal (	Cooler Cu	and a strate of
Laboratory Received By	Relinguished By	Received By	Relinguished By		ot	Laboratory Information and Receipt	Laborator
		□ Special QA/QC Instructions(√):					Special Instructions/Comments:
		-					
	-						
			<	Ŷ	- C	~	
				2 × .			
					V/10-1-14/00		
				· · · ·	W <sup>1</sup> t <sup>1</sup> t <sup>2</sup> =		5 3 5 7 1 V - 5
		-		17 V			C/O Land Water
REMARKS	/ / RE		$/ \times  / $	VIDE	Time Comp Grab	Date	Semibicity
W - Water SL - Sludge SW - Sample Wipe T - Tissue A - Air Other:					tion Type (*)	Collection	Samula ID
SE - Sediment	/ Mat					Sampley's Signature:	Sampler's Franced Name:
	/ / Н			( مممد	Swy & Swo	Toport and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
G Other 8 doz class	/ /					(4) ) Based #	A C A C A C A C A C A C A C A C A C A C
		<b>PARAMETER ANALYSIS &amp; METHOD</b>				Zip E-mail Address:	City State
D NaOH 4. 500 ml Plastic	73 (7)		Container /	10	171-249.76	Sink Co	d Re
	0.00		#of Containers			Fax	Ado
	Pres			2	31-349-7610	6 2	St Melso Desert Day 10
		~	Preservative			Telephone:	Contact & Company Name:
	Page of		ANALYSIS REQUEST FORM	AN			Infrastructure, environment, buildings
Lab Work Order #		CHAIN OF CUSTODY & LABORATORY	F CUSTODY &	NN O		ID#:	ARCADIS
				ar d	· 20.,.		

<u>\_\_\_</u>

a State Carlo

SPECIFY	□ Other	Lab Courier	Lab (	SPECIFY	Common Carrier	In Person	Delivery Method:
							-
Yes No N/A	- Ime		Date			ćs:	Special Instructions/Remarks:
Seal Intact?	Time		Date		<ul> <li>Organization:</li> </ul>		Received by:
Yes No N/A	- Time	1	Date		Urganization:	anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an	
Seal Intact?	- Time _//////	1 22 18-25	Date		- Urganization:		Received by:
							Relinquiched hur
Total No. of Bottles/	Total No.				= Air	Liquid; S = Solid; A	Sample Matrix: L = Lic
· · · · · · · · · · · · · · · · · · ·							
				-			
						¢.	
V2					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
10					V.V		BP01-2
V.						· ····	BP0101-1
bien. Na						W 7-20-10	78072010
s Total	Remarks					Matrix Sampled	Sample ID/Location
					y y have the as have y	<u>}</u>	Sampler(s)/Affiliation
					ŕ	MCC 10142T	Project Manager
					Con Co	Andy	Laboratory <u>(sharaber</u> s
						N N N N	Project Location <u>Berthopses</u>
		OD / SIZE	ANALYSIS / METHOD / SIZE	A	1 x 6 r 0 1 - 2	Cow and YAN d	Project Number/Name <u>Alex N/16 outs and Jake</u> Dur 2
Page of	AIN-OF-CUSTODY RECORD	CUSTOD	CHAIN-OF-	No.	Laboratory Task Order No./P.O. No.		ARCADIS

SPECIFY

		Shipping Tracking #:	Specify Turnaround Requirements:	- Conternation An all the loss		special instructions/Comments:	Chail Indunation (						31023-1	BPOWS-2	1115708mm	Sample ID		ed Name:	Project Name(Location (City, State))			Address	State 2 And March	Contact & Company Name:	Infrastructure, environment, buildings	ARCADIS
Distribution:					Cooler Custody Seal (*)								~	A		Date Time Comp		-	Project #:	s.J	TEUSIO DV	Xer Xer V	1. (.):-1.V.).	Telephone:		
ion: WHITE – Laboratory returns with results		Term Ayrach			Printed Name:										5 bu }	iype (v) jimp Grab Matrix	_{{				Container	2 - -	(v) period (v)	Proservative	ANALYSIS	CHAIN OF CUS
returns with results	Cate/Time:		Signature:	X.	Relinquished By Rect Protect Name	Special QA/Q			**																ANALYSIS REQUEST FORM	CHAIN OF CUSTODY & LABORA
YELLOW – Lab copy	Date/Time:	Firm/Counter:	Signature:	France Name.	Received By Relinquished By	□ Special QA/QC Instructions(✓):																			M Page of	ORY
PINK Retained by ARCADIS	Date/Time:	Fum:	Signature:	Panted Name:												188	W - Water SL - Sludge SW - Sample Wipe	112111	H. Other 9. Other	G. Other 7, 4 oz. Glass 8, 8 oz. Glass	D NaCH 4 500 ml Plastic			7	1	Lab Work Order #

CADIS environment, buildings Company Name: And And And And And And And And And And	Fax:	CHAIN A
Project NameLocquon (On, State) A (* C. / J.C. / A C. A Sample's Printed Name C(C) / J. / J. (J. y. / C.) M/V-/ X C(C) / J. / J. (J. y. / C.) M/V-/ X Sample ID	Droyect # Sampler's Signature: Collection Date Time C	5.         01/10         10.00         2           V         0         0         10           Type (K)         Matrix         Matrix           Comp         Grab         Matrix
78072210 Brow 4-1		
890102-2		~~~
Special Instructions/Comments:		
Laboratory Information and Receipt Lab Name: 2 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	tion and Receipt Cooler Custody Seal (*)	Y) Printed Name:
X	Intact	Not Intact     Signature
Specify Turnaround Requirements: Shipping Tracking #:	Sample Receipt: Condition/Cooler Temp:	
	こうにはなるというというというないのものないためを見たたい。	

Total No. of Bottles/ Date Time Seal Date Time Seal Date Time Yes n Seal Date Time Yes n Seal Yes n Seal Yes n		A = Air     Organization:     Organization:     Organization:	S = Solid;		Sample Matrix: L = Liqui Relinquished by:
Image: Second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second					ample Matrix: Relinquished b Received by: Received by:
				Liquíd;	ample Matrix: Relinquished b Received by:
				- = Liquid;	ample Matrix: Received by:
		11	× III	- = Liquid;	ample Matrix:
Tot		11			ample Matrix:
		-			
	ntedas.		respectiv		N = 1 - M
	v <sub>istra</sub>			MOOK	M. T. M. M.
	••====		112 - 11 - 100	раницан (ул. 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	MT - MW
	UU.				73-725
	558 1000au				1827087
	~				<u>SM-105</u>
			- Se - Z		AM 12 mil
Đi,		Lab ID	Date/Time Tix Sampled	ocation Matrix	Sample ID/Location
	140) 1430)	Sward Xar		Sampler(s)/Affiliation	ampler(s)/Affili
		Second Second		r <u>M. K.</u>	Project Manager
		Ser 11 Con	Maryn and y motion of an I	4 m m	Laboratory
			No. No. St.	1 DR KANGS	Project Location
ANALYSIS / METHOD / SIZE		24/ Z Cove	$\sim$	Project Number/Name <u>Market &amp; Kow</u>	roject Number/

AG 05-12/01

Delivery Method:  In Person	Special Instructions/Remarks:	Received by:	Relinquished by:	Received by:	Relinquished by:	= Liquid; S =						18729-10 N	D32116-7	SA-DA	C	rix	Sampler(s)/Affiliation	4	Laboratory Columbor Awr 475 M	Project Location BCT MPARE	Project Number/Name <u>NY 001996.</u>	ARCADIS
Common Carrier	KASK TO METTY & REVUI	Organization:	Organization:	Organization:	Organization: <u>AKC47555</u>	Solid; A = Air						2. W		2	7-77-10 3	Date/Time		/ 2 2/ - Indrawt	SERI	K / MA	5 (25/2) 2 (26/2)	Laboratory Task Order No./P.O. No
Lab Courier		Date//	Date / /	Date //	Date 7 177 1/0																ANALYSIS / METHOD / SIZE	CHAIN-OF-CUSTODY RECORD
Dother 2000		   	- Time Seal Intact?		- Time <u>G. Ro</u> Seal Intact?	Total No. of Bottles/						Ser.	X		(***)	Remarks Total						Y RECORD Page of

AG 05-12/01

SPECIFY

Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia         Financia	DaterTime:		130-10/5/	Coaperin	Condition/Cooler Temp:	Shipping Tracking #:
Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained         Constrained <thconstrained< th=""> <thconstrained< th=""></thconstrained<></thconstrained<>	Signalure:				Sample Receipt:	Specify Turnaround Requirements:
All Company         CCCCC         Testinoity         Contraction         Contreaction         Contreaction <t< td=""><td>Printed Name:</td><td>me:</td><td>NUMS .</td><td>Not in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon</td><td>Cooler Custody Se</td><td>ar backed with ice (1/1</td></t<>	Printed Name:	me:	NUMS .	Not in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Cooler Custody Se	ar backed with ice (1/1
CER         Treatment         France         France<					ation and Receipt	
Internation         Processor		ecial QA/QC Instructions(√):	¢۵ ا			Special Instructions/Comments:
Contract of Control Name         Production						
Contract Company Name     Freedown       Addres     Summary Line     Fax       Summary Line     Fax     Summary Line       Sorr     Sum     Fax       MELLETILE     MUTHY     Fax       MELLETILE     Fax     Fax       MELLETILE     Fax <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Contrast Company Name     Property     Property     Property       Org     Bala     So     So     So       Org     Bala     So     So     So       Org     Bala     So     So     So       Manual So     So     Material     Manual So     So       Manual So     Manual N     Property     So     So       Manual So     So     Material     Material     Material       Manual So     So     So     So     So       Sample ID     Oate     The     Collection     Material       So     So     So     So     So       Marcia So     Material     Material     So     So       Manual So     So     So     So     So       So     So     So     So     So       Material So     Material     Material     So     So       Material So     Material     So     So     So       Material<						
Contrast Company Name         Freedom         Provemble						
Contrast Company Name     Proprior     Proprior     Provide     Provide       All Alth, Alth, Alth, ISTO     Fac     Alth, Alth, ISTO     Fac     Standard       And Alth, Alth, ISTO     Fac     Standard     Standard     Standard       And Alth, Alth, ISTO     Fac     Standard     Standard     Standard       Alth, Alth, ISTO     Fac     Standard     Standard     Standard       Market, ISTO     Standard     Alth, ISTO     Standard     Standard       Market, ISTO     Standard     Alth, ISTO     Standard     Standard       Market, ISTO     Standard     Alth, ISTO     Alth, ISTO     Standard       Standard, Isto     Standard     Standard     Alth, ISTO     Standard       Standard, Isto     Standard     Standard     Alth, ISTO     Standard       Standard, Isto     Standard     Standard     Standard     Standard       Standard, Isto     Standard     Standard     Standard     Standard       Standard, Isto     Standard </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Contrast & Company Name     Presidence     Presentation       All All All All All All All All All All						
Contrast & Company Name     Preserverie       ARCATTS     Contrast       Arbanes     Surface       Conv     State       Conve     State       C						
Contrast & Company Name     Telephone     Preservative     Preservative       Adves     Sumple VSL     70     File       Or     Sume     70     File       Or     Sume     70     File       Or     Sumple VSL     71     74       MELUTILE     MALANA     MALATELONA     PARAMETER ANA       MELUTILE     MALATELONA     MALATELONA     PARAMETER ANA       MALATELONA     MALATELONA     MALATELONA <t< td=""><td></td><td></td><td></td><td>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</td><td></td><td>20-</td></t<>				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		20-
Contrast & Company Name     Properties       Address     Support       Address     Support       Chy     State       Chy     State       Chy     State       Support     Fix       Chy     State       State     State       Chy     State       State     State       State     State       State     State       Chy     State       State     State       State     State       State     State       State     State       State     State       State     State </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>M. 29 0</td>						M. 29 0
Contract & Company Name     Prephone       Address     Sumple S				ୟ		
Contrast & Company Name     Prophone     Prophone       Address     Support     731-249-7670     Fillione(n)       Address     Support     Fax     Fillione(n)       Charles     Support     Container     Support       MELINIC     Support     Container     Container       MELINIC     Support     Container     Container       Pier NameLocation (city, State)     Emmillion     MARAMETER ANA       Victorial Name     Namour's Signature     PARAMETER ANA       Sample ID     Collection     Type (r)     Matrix						ا ٤ د
Contrast & Company Name     Program     Program       Address     SUTT 1510     Fax       Address     SUTT 1510     Fax       2143/07/3010     Fax     21-244-7670       Conv     State     Fax       2143/07/3010     Fax       2143/07				Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal         Journal <t< td=""><td>_ Z</td><td>3 C.</td></t<>	_ Z	3 C.
Contrast & Company Name     Projector S					Sampler's Signatu	20 20 Ianee
Contrast Company Name     Prophone     Proservative     B       AQUADD     ACTIVE ISTO     ATTVEND     ATTVEND     Fax       Address     SUTTVE ISTO     Fax     Fax     Fax       Address     SUTTVE ISTO     Fax     SUTTVEND     Fax       Address     SUTTVE ISTO     Fax     SUTTVEND     Fax       Address     SUTTVE ISTO     Fax     Suttraction     Suttraction       Address     SUTTVE ISTO     Fax     Suttraction     Suttraction       Address     SUTTVE ISTO     Fax     Suttraction     Suttraction       Only     State     Za     Emplitications     Suttraction				Microsom	and the second	MELITE NY
Contact & Company, Name AP (25 S - ) Response Reference (No AP (25 S - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 - ) (27 -				1976/0 38		2 HUNTBILITON
					Falephone:	Address

82

.

ARCAUS     Laboratory Task Order No. PD. No.     CHAIN-OF-CUSTOPY RECORD     Page — of		Other	Lab Courier	Sector NA CLO	Common Carrier		In Person	Delivery Method:
Laboratory Task Order No./PO. NoCHAIN-OF-CUSTODY RECORD Page					$\times$	- An	ि	pecial instructions/kem
Laboratory Task Order No.P.O. NoCHAIN-OF-CUSTODY RECORD Page	No	Time	Date//		Organization:		•	Received by:
Laboratory Task Order No./P.O. No.       CHAIN-OF-CUSTODY RECORD       page	Seal Intact?	Time	Date//		Organization:			Relinquished by:
Laboratory Task Order No./P.O. No	Yes No N/A	Time	Date / /		Organization:			Received by:
Laboratory Task Order No./PO. No. CHAIN-OF-CUSTODY RECORD Page of	Seal Intact?	- 24	1212			الا مانينين من المركز من المركز من المركز من المركز من المركز من المركز من المركز من المركز من المركز من المركز	"	Relinquished by:
Laboratory Task Order No./PO. No.     CHAIN-OF-CUSTODY RECORD     Page of	and the second	Total No. of E Con	/		£	Solid; A	S	
Laboratory Task Order No.PO. No. CHAIN-OF-CUSTODY RECORD Page of All All All All All All All All All Al								
Laboratory Task Order No., PO. No. CHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./P.O. NoCHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./PO. No. CHAIN-OF-CUSTODY RECORD Page of Analysis / METHOD / SIZE								
Laboratory Task Order No./P.O. NoCHAIN-OF-CUSTODY RECORD Page of			-					
Laboratory Task Order No./PO. NoCHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./P.O. NoCHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./PO. No. CHAIN-OF-CUSTODY RECORD Page of Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analysis / METHOD / SIZE Analy								
Laboratory Task Order No./PO. No. CHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./PO. NoCHAIN-OF-CUSTODY RECORD Page of								
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page or A AWAL 477								
Laboratory Task Order No./P.O. NoCHAIN-OF-CUSTODY RECORD Page or A PAGE N.U. 00807 ANALYSIS / METHOD / SIZE A PAGE N.U. 00807 ANALYSIS / METHOD / SIZE A DATE/Time ANALYSIS / METHOD / SIZE Date/Time ANALYSIS / METHOD / SIZE ANALYSIS / METHOD / SIZE 					ر با	<		P 82 - 2 -
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page or A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE A PAGE N. U. 60802 ANALYSIS / METHOD / SIZE	1. see				~		3 	77 7-2-10
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page or A PABE NULL DOBO A RALYSIS / METHOD / SIZE A RALYSIS / METHOD / SIZE A Remarks Date/Time Matrix Sampled Lab ID V 8-3-10 3 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1					())	w.y <sub>cayov</sub>		-730
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page or A PAGE NUMBER OF A RETHOD / SIZE A RAVELY A STATE OF A RETHOD / SIZE A RAVELY A Sampled Lab ID A Remarks					(2)	01-2-8	3.40	GM-73D
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page	Total	Remarks					Matrix	Sample ID/Location
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page							$\left  \right\rangle$	ampler(s)/Affiliation
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page								roject Manager
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page					Second /	Lypy Ac		ioject Education <u>도가</u> aboratory <u>이니가 생</u>
Laboratory Task Order No./P.O. No. CHAIN-OF-CUSTODY RECORD Page			IS / METHOD / SIZE	ANALYS		5 6-	THON H	roject Number/Name
			VIN-OF-CUSTODY		ory Task Order No./P.O.			AKCAUL

SPECIFY	Other	Lab Courier		SPECIFY	Common Carrier	In Person	Delivery Method:
<b>4</b>				S SA KABANA	N <u>cziew als inversió</u>		
							Special Instructions/Remarks:
Yes No N/A	- Time	1 1	Date		- Organization:		Received by:
Seal Intact?	- Time		Date		- Organization:		Relinquished by:
Yes No N/A	– Time –		Date		- Organization:		Keceived by:
Seal Intact?	- Time	01 61	Date 🔀	CA-UX-S	- Organization:	2.19 Colon Decomment	Relinquished by:
Containers	lotal No.				= Air	Liquid; S = Solid; A :	, 11
						Ì	
	-						
E.						Lann	188-4-10
							CM-212
Ş					~	C - 2-4-10	987 - MO
s Total	Remarks				Lab ID	Date/Time Matrix Sampled	Sample ID/Location
							Sampler(s)/Affiliation
						KE WOUGERT	Project Manager MEKK
				» (() \	Saz	Awary Mr. A	Laboratory <u>COLUMICON</u>
						ACE NY	Project Location SETH MALE
		HOD / SIZE	ANALYSIS / METHOD / SIZE	,	20422	NH OD HAGE AUD	Project Number/Name <u>NYOD NYGÉ 2410, CO</u> BOZ
Page of	AIN-OF-CUSTODY RECORD	CUSTOD	CHAIN-OF	. No.	Laboratory Task Order No./P.O. No.		<b>ARCADIS</b>

	Other	Lab Courier	SOCIEV	Common Carrier		□ In Person	Delivery Method:
						arks:	Special Instructions/Remarks:
Seal Intact? Yes No N/A	- Time	- Date//		Organization:			Relinquished by: Received by:
Seal Intact? Yes No N/A	- Time	- Date <u>/ (/ &lt;</u>		Organization:		1000	Relinquished by: Received by:
Bottles/ itainers	Total No. of Bottles/ Containers				Solid; $A = A$	Liquid; S =	11
~~~				<u></u>			G M- X - J
				~~~	· · · · · · · · ·		GM-21 S
						* *****	TA 080010
132							01 20804
Total	Remarks				Date/Time Sampled L	Matrix	Sample ID/Location
					Med Swany	navez Alta	Sampler(s)/Affiliation
					シューション	N/17 1/2	Project Manager
							Laboratory Columbia
						Part Long	Project Location
		ANALYSIS / METHOD / SIZE		1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Nor Carlor		Project Number/Name
of	Y RECORD Page	CHAIN-OF-CUSTODY RECORD	100 - 2 2	Laboratory Task Order No./P.O. No.	Laboratory	S	ARCADIS

SPECIFY

Delivery Method: 🗌 In Person	A BASE	Relinquished by: Received by: Special Instructions/Remarks:	Received by:	- = Liquid; S =											× ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Sample ID/Location Matrix	Sampler(s)/Affiliation	Laboratory	Project Location	Project Number/Name	AKCAUIS
n Common Carrier کورک specify	The case that store store for And my a	Organization: Organization:	Organization:							9 9 9	20 AV		J. J.	·		Date/Time Sampled Lab ID				<u> 1947 - 2020 - NAC</u>	Laboratory Task Order No./P.O. No.
Lab Courier	spalan fac Samou	Date/ T	Date/ T		×	· · · · · · · · · · · · · · · · · · ·														ANALYSIS / METHOD / SIZE	CHAIN-OF-CUSTODY RECORD
Other SPECIFY AG 05-1201		Time Seal Intact? Time Yes No N/A	Time Seal Intact?	Total No. of Bottles/ Containers								J-A	17			Remarks Total					RECORD Page of

Delivery Method:	Special Instructions/Remarks:	Received by:	Boliparijekod biz	Received by:		•				N 10653	G A - 7 - 22	CH-207	1. 1. 2. 2. 1	M- 10624	1. 10 / C	100309-1010	Sample ID/Location	Sampler(s)/Affiliation	Project Manager	Laboratory	Project Number/Name	ARCADIS
In Person					t; S = Solid;							\$/¢	5 /	\$7.0	- 27.	10 97 S	Date Matrix Sam		de tradesta de la constante de la constante de la constante de la constante de la constante de la constante de La constante de la constante de	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	N W W	-
⊠ Comm		Organization:	> _	Organization:	A =				-	11 15 Aug 15		10		1/13	10/30	1910	Date/Time Sampled Lab ID	A Carrier Sec.	See "Ye	San and Castor of	KAUTA JANA Z	Laboratory Task Order No./P.O. No.
⊠ Common Carrier_		Organization:		zation:				 			<u>.</u> ,	S7			<u>, j</u>	3	1 × 4 12	Le de la Galeria				Order No./P.O
SPECIFY								 							- fañga						7	• No. <u>0 (* - )</u>
Lab Courier		Date//		Date <u>21 20170</u>	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se															ر بر میں موجع کر میں میں	NALY	_ CHAIN-OF-CUSTODY RECORD
□ Other		- Time		- Time	Total No. o												Remarks					Y RECORD Page
	- Yes No N/A	al Inta		al Inta	Total No. of Bottles/					 		, s	~~~	Ų/	here and here and here and here and here and here and here and here and here and here and here and here and her	<u></u>	Total					ige of

SPECIFY

Delivery Method:  In Person		Special Instructions/Remarks:	Refinquished by:		Received by:		Sample Matrix: L = liquid: S = Solid:							TTR S-11-0	0m-332-2	-8 -7 <u>-128</u> - W-S	Da Sample ID/Location Matrix Sa	Sampler(s)/Affiliation $\underline{\mathcal{S},\mathcal{W}, \mathcal{J}}$	Project Manager <u>OTTXE WOULER</u>	Laboratory Country Awal	Project Location SET WASE AV	Project Number/Name <u>N Yoo 1496, 0410, 000</u> 0Z	ARCADIS
<b>文Common Carrier</b> <u>くとつ・しメ</u>	REPORT TO MAIISSA REDUC	Urganization:	Organization:		Organization: <u>APSE PEDDS</u>		⊳								W	12-10	Date/Time V S	/ / 2 20 CT ESCHORED		TAL SERD	~~~	<u>10.000</u> dZ	Laboratory Task Order No./P.O. No
Lab Courier		Date /	Date/	Date//	Date <u></u>	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se																ANALYSIS / METHOD / SIZE	CHAIN-OF-CUSTODY RECORD
OtherSPECIFY AG 05-1201		- Time Yes No N/A	- Time Seal Intact?	Time Yes No N/A	- Time <u>5730</u> Seal Intact?	Containers	Total No. of Bottles/								(J)		Remarks Total						Y RECORD Page of

ç

4

SPECIFY	Other	Lab Courier	d Common Carrier <u>シン・シン</u>	Delivery Method: □ In Person 卤
			10 MELOSSY TEDUOL	1 1 2 1 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1
			7 4 alerto V C	
Yes No N/A	- Time	Date//	Organization:	
linta	- Time	Date / /	Organization:	by:
	- Time	Date / /	Organization:	Received by:
Seal Intact?	- Time	Date//2/10	Organization: <u> </u>	1 by: 0 0 0 0
Total No. of Bottles/	Total No.		Air	Sample Matrix: L = Liquid; S = Solid; A =
				22 22
N.			×,	
Vittors,			e e e e e e e e e e e e e e e e e e e	12 12 10 V V
				mw-29f
<u> </u>				ME-19A
6				78 2-12-10
$\sim$				GM-350-2 C 8-2-10
s Total	Remarks			Date/Time Sample ID/Location Matrix Sampled
				Sampler(s)/Affiliation
				Project Manager <u>MERE WORKS</u>
				Laboratory COLUMBON AWALYTTIA SER DEP
				Project Location DETRAGE NY
				Project Number/Name_ <u></u>
Page of		CHAIN-OF-CUSTODY RECORD	Laboratory Task Order No./P.O. No	ARCADIS Laborato

SPECIFY	Other	Lab Courier		SPECIFY	ier <u>Ande</u> A	Common Carrier		🗆 In Person	Delivery Method:
							PC & XY.	1 3 N 6	. Charles have for
Yes No N/A	lime							rks:	Special Instructions/Remarks:
al Inta			Date			Organization:	Org		Relinquished by:
Yes No N/A	- Time	1 1	Date			Organization:	Urg		Received by:
Seal Intact?	- Time / 7.20	12110	<u> </u>	× -4	614 N N N	Organization:	Org	in the state and	Relinquished by:
ntainers	Containers						Solid; A = Air	Liquid; S = Sc	
	Total NA of I			-t.				-	
							No. of Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Street, or Stre		
			. Ale						
Ŵ			<		K				JEN EXANC
1.0				K		Ser.	1325		NDA E ATT.
			2. children and		1 - x x x y y y y	~	1310		De Trix.
~~~			an Janan (ur					***	
			or wast	***			212		10.1×1.
	JEN of WELL 18		lan were						1 mm - 2010
<b>)</b> \.			199.400 - 199. 798.39 	2054 - 1-2044		N. N.	1884	1999) an a suisse a gas an a suisse a suisse a suisse a suisse a suisse a suisse a suisse a suisse a suisse a s	
, X			(1999) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1	uter tangga			/ 2.00/		
2			4608 w. 1003		****	£) %	N.S.	1. 2. Carlos 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	1469 1 1
							NC IN		. treas
			*****)% cr.	>>:=====	*****	V.		0. magazine 14 0. magazine 14	~
U)			• Pode i Guard	~103403		line.	7.51	1.200 · 100 200 · 100	CONT MAN
1.70			n. 1.7000 (Colump)	وي وي	And the second second	Same .	155		CARLY RYM 5
Levi, and the second second second second second second second second second second second second second second				1000 Aug	9 (No.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	() ()	115		Care of G
Total	Remarks			12 1 1 2 m			Date/Time Sampled Lab ID	Matrix	Sample ID/Location
				***		-12,	HALLANS	Macares	Sampler(s)/Affiliation
es ej -							118101	ALLOSAL STOLMANN	Project Manager
				200 270 /	E.		HARDEN I ICAL SHOLS	· 1	Laboratory <u>C. Ohn Milita</u>
				5					Project Location
		HOD / SIZE	ANALYSIS / METHOD / SIZE	1 1			WW. ONO	WHON Y	Project Number/Name / Yool496 04/10 . 2002
of	AIN-OF-CUSTODY RECORD Page	F-CUSTOD	CHAIN-O	002		ask Order No	Laboratory Task Order No./P.O. No.		ARCAUIS
*1)				Nor	0.			•	

Delivery Method:  In Person Common Carrier	$\frac{1}{2} = \frac{1}{2} = \frac{1}$		Relinquished by: Organization:	Received by: Organization:	Relinquished by: <u>APR /A</u> Organization: <u>ARCANS</u>	Sample Matrix: L = Liquid; S = Solid; A = Air						2		107	Sample ID/Location Matrix Sampled Lab ID	Sampler(s)/Affiliation	Project Manager MOKE ADD (2027 / )	AWALYZER SAME	S. N.	16 ALD PART	Laboratory lask Urger No./P.U. No
Lab Courier		Date//	Date / /	Date //	Date <u> / / / / / / / / / / / / / / / / </u>							 								ANALYSIS / METHOD / SIZE	
Other		Time	Time	— Time		Total No. of Bottles/ Containers									Remarks						DI NLCOND Page
SPECIFY		- Yes No N/A	Cest Intert?	- Yes No N/A	- Seal Intact?	f Bottles/			 				المر	J.)	Total						e ot



Page \_ \_ \_ of \_\_\_

Water Sampling Log

Project MCC	Project No. 1/1/00/497. 0410.00002
Site Location 13 of hpage MY	Date 12/16/15
Well No. <u>BPOW</u> I- Replicate	
Sampling Personnet <u>DT ⊁ XX</u> Sampling	ng Time: Begin 0935 End 0959
Purge Data	Field Parameters
Measuring Point (describe)	Color Colorban (injusti Colorless Colorless
Sounded Well Depth (ft bmp) 2-4/	Odor Acre nove nove More
Depth to Water (ft bmp) 29.38	_ Appearance Clear Clear Clear clear
Depth to Packer (ft bmp) 169	
Water Column in Well (ft) 72	<u> </u>
Casing Diameter <u>4''(0.65-)</u>	_ pH(s.u.) 5.62 5.31 5.28 5.1(
Gallons in Well 46.8	Conductivity
Gallons Purged X 3	(mS/cm) or
Prior to Sampling	$(\mu m hos/cm)^{11}$ 143.5 133.5 1349133.7
Pump Intake	
Setting (ft bmp)	_ Temperature (°C) $12.0113$ $11.211$
Packer Pressure (psi)	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method	ORP (mV)
Sampling Method	Turbidity (NTU)
Purge Time Begin End	Time
	DTW (ft bmp) 29.77 29.85 29.80 29.95
Remarks:	
Parameter Container VOC USE PIA 5242 40ml VII	No. Preservative
PID Reading	
. Well Casing Volumes	
Gal./Ft. $1^{1/4_{\text{III}}} = 0.06$ $2^{\text{IIII}} = 0.16$ $3^{IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$	4" = 0.65 6" = 1.47 1) Circle one unit type

http://team/Sites/Offices/North/Northeast Area/Northeast Area Geoscience Forms/Water Sampling Log.XLS - Log

ARCADIS					Page <u></u>	_ of
Infrastructure, environment, facilities	\ <b>A</b> ( - 4 <b>C</b>					
	water 5	ampling Log				
Project 1/66 QU2 Gritaly	Supply	Project No.	10014	96.0410	. 0000 6	2
Site Location Brth Duce, N			Date	12.16.	10	
Well No. BPOMP 1-2	/ Replicate No	)	Weath	er	28F, C	i lær
	•					
Sampling Personnel XX + DT	_ Sampling Tir	ne: Begin <u>  </u>	30	-	End	
Purge Data		Field Parameters		0.1		
	~	Color (i)	land well	Brown	Celositos	1. Islan
Measuring Point (describe)				nenp	nory	hore
Sounded Well Depth (ft bmp) <u>390</u>	>	V D-	ior (	doud y	clear	Clair
Depth to Water (ft bmp)	······	Appearance (4		Caller y	10/601	
Depth to Packer (ft bmp)				1V	2V	3V
Water Column in Well (ft)	65)	рН (s.u.) Ц	$\frac{1}{1/1}$	4/8	4.58	4.54
	1051	Conductivity	at	<u> </u>		- <u>/ · · · 7</u>
Gallons in Well	()	(mS/cm) or	•			
Gallons Purged	<i>0</i> -5	$(\mu mhos/cm)^{1}$	າເ ລ	120.4	111.8	10519
Prior to Sampling	<u>()</u>	(µnnosrom)	<u>///</u>		111.0	
Pump Intake		Temperature (°C)	115	6.8	10.5	103
Setting (ft bmp)	7		<u> </u>		10.3	
	/	DO (mg/L)				
Pumping Rate (gpm)		ORP (mV)				
Evacuation Method		Turbidity (NTU)				dear
Sampling Method <u> </u>	End		104	1107	1110	- carr
Purge Time Begin <u>  OU</u>		DTW (ft bmp)	5200	31.98	31,98	
		D1 W (it binp) <u>-</u>	<u>, 20</u>	121.12	] ], [ ]	1
Remarks:		·	<u> </u>			
		· · · · · · · · · · · · · · · · · · ·				
Parameter	Container	No.			Preservativ	e
UCCUSER DATE		<u> </u>		<del>~</del> ~		
		<u></u>		_		
PID Reading	-					
Well Casing Volumes						
<b>Gal./Ft.</b> 1 <sup>1/4</sup> " = 0.06 2" = 0.16	3" = 0.37	4" = 0.65				
$1^{1/2} = 0.09 \qquad 2^{-1/2} = 0.26$	3-1/2" = 0.50	6" = 1.47				

1) Circle one unit type



## **ARCADIS**

Infrastructure, environment, facilities

#### Low Flow Groundwater Sampling Log

Page \_\_\_\_ of \_\_\_\_

Project	N <u>G</u> C	04-2	<u>solit</u> s	apt 1	HE NOU						
Project Numb	er <u>N</u> Y ou	1496.0410	,00002	Site Location		Bethpoge	, MY	Well ID	BPOW	1-3	-
Date	1	2-8-10		Sampled By			, 			· · ·	•
Sampling Tim		25		Recorded By		uny Xu	۱				_
Weather	cla	ar <b>3</b> 4	°F	Coded Replica	ate No	uny Xu	<del></del>				
Instrument Id											
Water Quality	Meter(s)					Serial #					-
Casing Materi	al			Purge	Method	-	deelia		brasible	<u></u>	-
Casing Diame	ter	2		Screer	n Interval (ft bm	ıp) Top_			Bottom	<u></u>	-
Sounded Dep		41			intake Depth (f			/			-
Depth to Wate	er (ft bmp)	2°	7,99	Purge		Start		<u></u>	Finish		-
	T	Т	1	Field Parameter	r Measurement	s During Purging	)		1	Depth to	1
Time	Minutes Elasped	Flow Rate (mL/min) 9.pm	Volume Purged	Temp (°C)	pH (s.u.)	(umhos-or prS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)		salius
1305		2,75		[].1]	4,14	0.083	303	5.61	1.6	30,20	0,0
13.25			45	10.89	411	0.095	316	4.77	0	30.22	0.5
1345			90	10.85	q.11	0.096	309	4.55	Ø	30,23	0.0
1405			135	10.83	4.12	0.096	304	9.48	Ø	30.23	0.0
1425			180	12.8	4.11	0.096	705	4.52	0 <sup>,</sup>	30,23	0.0
				ľ.							
								·	-		
							<u></u>				
	}			· · · ·							-
				ļ							
		ĺ									
							······································	·····			
Collected Sam	ple Condition	• • • • • • • • • • • • • • • • • • • •	Color	s lers	Odor_	pone		Appearance_	alam		ı
Parameter			Container			No.			Preservative		
VC.	5we 2		40 m	I VOA		>		-	He	.f	
								-	·		
PID Reading	·····		-					_			
Comments	1 uslu	mn = 0	12.3	9 al	<u></u>						
				/							•
						. <u>.</u>					
1) Circle one (	unit type										

### Page \_\_\_\_\_ of \_\_\_\_\_\_

٢

# **ARCADIS**

Infrastructure, environment, facilities

	*			Flow Gro							
Project Project Numb Date Sampling Tim Weather	Der <u>N</u> <u>−12-</u> 1e <u>−</u> CL	(TC DU- 96.0410 - 8 - 10 10:00 Par. 3	2 Spl .0000 2 205-	it samplin Site Location Sampled By Recorded By Coded Replica	9 With 	Navy ethpage, unny X	<u>м</u> ц	Well ID	Врош	2~1	-
Instrument Id Water Quality						Serial	#				
Casing Materi Casing Diame Sounded Dep Depth to Wate	ial eter th (ft bmp)	2		Screen		- ip) Top t bmp) Start	dedirate. 	-l <u>supro-</u>	Sible 200 Bottom Finish	p	
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged 94	Temp (°C)	pH (s.u.)	Conductivity (umhos or (mS/cm))	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)	Salini
0841		9pm 2.5	<u> </u>	10.67	4.87	0.121	260	5.39	31.8		9/3 0, c
0900	-		fo	10.49	4.37	0.062	240	4.83	3,5	20,90	0.0
0920			100	19.45	4.32	0,058	251	4.87	U	20,91	0,0
0940			150	10.89	4.28	0.059	265	4.81	0	20.90	0,0
1000		$\downarrow$	200	11.18	4.25	0.059	263	4.86	0		0.0
Collected Sam Parameter WC s	f 244, Z		Color <u>Col</u> = Container 4-9	nl UOA	Odor	<u>ного-</u> No. З		Appearance	<u>CBa</u> Preservative <u>HC</u>		
PID Reading Comments		···· ··· ···	<b>-</b>					- 			
1) Circle one	unit type										



Infrastructure, environment, facilities

Project	<u>NG</u>	<u>C 04-2</u>	<u>5 ph+</u>	Sanpling		Navy	<u>11</u> Y	341-11-12		2
Project Numb Date	N MININ	96,0412.0 12-8-1	10002	Site Location Sampled By	<u>pe</u>	<u>thpilge,</u> unny Xu	~/	AAGH BT	- of 0 h	12-2
Sampling Tim		12-8-1		Recorded By		unny su	·····			
Weather	ne	12:30 p	0p	-		·····	·····	<u></u>		
vveatrier	<u>C. (</u>	<u>061 34</u>	<u> </u>	Coded Replica	ite No					
Instrument Id						<b>.</b>				
Water Quality	weter(s)	<u> </u>				_ Serial #				
Casing Materi	ial	<b></b>			Method		dedicates	l subre	ensible.	
Casing Diame	eter	4"	_ )	Screer	ı interval (ft bm	р) Тор		<u> </u>	Bottom	
Sounded Dep	th (ft bmp)	495	_ 1	Pump	Intake Depth (fi	t bmp)	421	/	<u></u>	
Depth to Wate	er (ft bmp)	20.60	5 1	_ Purge	Time	Start			Finish	
m	······································	T		Field Parameter	Measurement	s During Purgin	g			J
Time	Minutes Elasped	Flow Rate (mL/min). 	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or (US/Cm))	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1106		3.0	2.0	12.05	4.31	0.146	254	1.80	8,2	Z AND -X
1120			60	11.38	4.20	0.109	270	6.21	6.0	27.15
1142			125	11.31	4.19	0,107	271	1.73	0	27,13
1200			190	11-29	4.17	0.106	273	5.13	0	27,134
1220			260	11.72	4.16	0.106	271	4.88	0	27.18
1230		$\bigvee$	295	11.20	4.15	0,106	268	4.59.	D.	27.14
			, ,				~	1		
				:						
									. <u></u>	
•										
Collected Sam	ple Condition		Color Col	orless	Odor	none		Appearance	clean	
Parameter	F24 2-		Container	VOA		No. 3		·	Preservative HC(	
·······								-		
•••••								~		
PID Reading										
Comments	1 Volu	<u>~n = 30</u>	sq gal		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>					
						<u></u>				
						·····				
1) Circle one u	unit type									

Low-Flow Groundwater Sampling Log



Page \_\_\_\_\_ of \_\_\_\_

Water Sampling Log

Project Nor throp Grumma	и 04-2	Project No.	NYOUTH	496,0410	,00002	
Site Location <u>Bethpage</u> ,	NY		Date	·····	12/21/	10
Well No. BPDICE 3-1	Replicate No	D. NA	Weat	ner windy	1 Monthly du	i dy
2				1	1	1
Sampling Personnel	Sampling Ti	me: Begin	1145	-	End	·
Purge Data		Field Parameters	3	t		
Measuring Point (describe)	<u></u>	Color Color	lon	interlan	Colorlan	Cobrins
Sounded Well Depth (ft bmp)	/ 	Odor Mr.L	enti	Nove	Nime	how
Depth to Water (ft bmp) $> \ell, \theta$	<u>4</u>	Appearance	clon	Con	den	, len-
Depth to Packer (ft bmp)4 /	4					
Water Column in Well (ft)	2			1V -	2V	3V
Casing Diameter <u>4.11/1</u>	2.63)	pH (s.u.)	5.11	5.38	5.40	5.41
Gallons in Well 66	3	Conductivity				
Gallons Purged 🔨 🍾	3	(mS/cm) or	<b>.</b>			
Prior to Sampling	2	(µmhos/cm) <sup>1)</sup>	151.2	132,1	117,1	113.2
Pump Intake	f .					
Setting (ft bmp)		Temperature (°C)	12.2	12.2	12.0	12.2
Packer Pressure (psi)						
Pumping Rate (gpm)		DO (mg/L)				
Evacuation Method		ORP (mV)				
Sampling Method		Turbidity (NTU)	ĺ.			>0
Purge Time Begin113	End	Time	1113 Am	11:26 AM	11:35M	11:42
	· ·	DTW (ft bmp)				
Remarks: $(24)14 - 26, 0$	41×0,43	4 (2) - 22	PACE	condel a		
Remarks: <u>(24)(4-26,0</u> Note, Betwe pl		730 = 20	lookin	A LL	airkan	art
here: here	haad		/	/		
Parameter Lee CUC	Container	No.	·····	~	Preservative	
				-		
PID Reading too cold				-	•	
		•		· · · · · · · · · · · · · · · · · · ·		
Well Casing Volumes Gal./Ft. 1 <sup>1/4</sup> " = 0.06 2" = 0.16	3" = 0.37	4" = 0.65				
	$3^{-1/2} = 0.57$	6" = 1.47				
· · · · · · · · · · · · · · · · · · ·						

1) Circle one unit type

A	ARCADIS
Infrastru	icture, environment, facilities

;

Page \_/\_ of \_\_\_/

### Water Sampling Log

. I.

Project Northrop Gur	nman ou-	Project No.	NOON	c96,041	o, on 2	
Site Location <u>Bethpuge</u>	, NY		_ Date	12/	21/1-	• .
Well No. BPOW3-Z	<i>NY</i> Replicate No	).	Weathe		<u>cloar</u>	
Sampling Personnel Part Mennski	/Swithy Xu Sampling Tir	ne: Begin			End	
Purge Data		Field Parameters	S	<b>1</b>		
Measuring Point (describe)	TOC	Color	( show	Colorbus		Conter
Sounded Well Depth (ft bmp)	47	Odor	11000	Yes	1/25.	Ter
Depth to Water (ft bmp)	7,4	Appearance	dear	clour	llein	Clem
Depth to Packer (ft bmp)	to3					
Water Column in Well (ft)	144			1V	2V	3V
Casing Diameter	+" (0:65)	pH (s.u.)	6.06	6.11	6.42	5174
Gallons in Well	93.60	Conductivity		-		
Gallons Purged	×3	(mS/cm) or				
Prior to Sampling	280	(µmhos/cm) <sup>1)</sup>	69.6	88.9	82.0	66.8
Pump Intake						
Setting (ft bmp)		Temperature (°C)	) 13.1	11.7	11.6	11.9
	755 1250	•		/		/
Pumping Rate (gpm)		DO (mg/L)				<u> </u>
Evacuation Method		ORP (mV)				
Sampling Method		Turbidity (NTU)				· · · · · · · · · · · · · · · · · · ·
Purge Time Begin	End	Time	15-30	1541		
		DTW (ft bmp)				
Remarks: $(503-2)$	7.A=0> ×0.4	3+10= 3	>15			
Parameter Mis (W. L	Container 40ml L	No.	·····	······	Preservative	)
V - V > 3 V = 1 -			· · · · · · · · · · · · · · · · · · ·			
	. <u></u>		,			
PID Reading						
Well Casing Volumes			•			
Gal./Ft. $1^{1/4_{u}} = 0.06$ $2^{u} = 0.16$ $1^{1/2_{u}} = 0.09$ $2^{-1}/2^{u} = 0.26$	3" = 0.37 3-½" = 0.50	4" = 0.65 6" = 1.47				
1) Circle one unit type			-			

G:\TECHNICL\WOLFERT\Technical Forms\2006\Water Sampling Log XLS - Log

4

Page \_\_\_\_\_ of \_\_\_\_\_

Q	ARCADIS	
Infrastri	icture, environment, facilities	5

Water Sampling Log

DO-L.)	Lpcge, NY		<u>IYWIY46.34</u> Date <u>/</u> ≯ Weather	120/10	9:
Sampling Personnel GUMU		ne: Begin	610	End	
Purge Data Measuring Point (describe) Sounded Well Depth (ft bmp) Depth to Water (ft bmp) Depth to Packer (ft bmp) Water Column in Well (ft) Casing Diameter Gallons in Well Gallons Purged Prior to Sampling Pump Intake Setting (ft bmp) Packer Pressure (psi) Pumping Rate (gpm) Evacuation Method	$   \begin{array}{r} 70l \\                                    $	Color (5	nome nor clear clea 1 1 4.14 4. 60.9 93 12.8 12	v <u>clear</u>	Cobr Con <u>Monp</u> <u>cCean</u> <u>3V</u> <u>4.489</u> <u>59.8</u> <u>12.1</u>
Parameter	Container	0 <u>4</u> <u>3</u>		Preservati <u>Fic</u> /	ve
PID Reading Well Casi Gal./Ft. 1 <sup>1/4</sup> " = 0.06 1 <sup>1/2</sup> " = 0.09	ing Volumes 2" = 0.16 $3" = 0.372-\frac{1}{2}" = 0.26 3-\frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47			

1) Circle one unit type

Infrastructure, environment, facilities	
	Sampling Log
Project Northwip Grumman ou-2	Project No. <u>XI / OVIY96 0400. 00002</u>
Site Location Bethpage, NY	Date 12-20-15
Well No. <u>A 10 W 4 - 2</u> Replicate	REP 122110
Sampling Personnel Giny Dilliams / Sampling	Yu Time: Begin End
Purge Data	Field Parameters
Measuring Point (describe) $70C$ Sounded Well Depth (ft bmp) $764$ Depth to Water (ft bmp) $24.6$	Color <u>(vladen Colorbas admins Colorba</u> Odor <u>novo novo novo novo</u> Appearance <u>clader clear</u> clear clear
Depth to Packer (ft bmp) $503'$ Water Column in Well (ft) $26/$ Casing Diameter $4''(o.65')$	pH (s.u.) $\frac{1}{4,99}$ $\frac{10}{4,26}$ $\frac{20}{4,05}$ $\frac{30}{4,28}$
Gallons in Well 169.65 Gallons Purged × 3	Conductivity (mS/cm) or ( $\mu$ mhos/cm) <sup>11</sup> .276 /20,5 77.9 .67.1
Prior to Sampling <u><u>J</u>U</u> Pump Intake Setting (ft bmp)	Temperature (°C) 11.7 12.8 13.5 12.3
Packer Pressure (psi)	DO (mg/L)
	Turbidity (NTU)
Sampling Method       Purge Time       Begin       (1 • 7)   End	Time 1107 1132 1244 1400
ruige fillie	DTW (ft bmp) 24.61
Remarks:	
Parameter Container WCS 624.2 Good b	No. Preservative
PID Reading	
Well Casing VolumesGal./Ft. $1^{1/4}$ = 0.06 $2^{"}$ = 0.16 $3^{"}$ = 0.37 $1^{1/2}$ = 0.09 $2-\frac{1}{2}$ = 0.26 $3-\frac{1}{2}$ = 0.50	4" = 0.65 6" = 1.47

1) Circle one unit type

**ARCADIS** 

#### Page \_\_\_\_\_ of \_\_\_\_

**GARCADIS** Infrastructure, environment, facilities

### Water Sampling Log

Project Northurp Grummen ou	-2 Project No. 11 Y 00 14 96 0412 0200 2
Site Location <u>Bethpage</u> , NY	
Well No. <u>GrM-20</u> Replicate	•
Sampling Personnel David Tracy / Summy Sampling	(1) Time: Begin <u>/320</u> End
Purge Data	Field Parameters
Measuring Point (describe)	Color to incers Colorley (Starten polorles
Sounded Well Depth (ft bmp)	Odor none none none none
Depth to Water (ft bmp) 30,72	Appearance dear clear dear dear
Depth to Packer (ft bmp)94	-
Water Column in Well (ft)	<u> </u>
Casing Diameter $4''(0,65)$	pH(s.u.) 2.67 10.45 10.20 10.09
Gallons in Well	Conductivity
Gallons Purged x 3	(mS/cm) or
Prior to Sampling	(µmhos/cm)" 1227 177.8 169.2 155.5
Pump Intake	186.5
Setting (ft bmp)	Temperature (°C) 14.7. 15,5 15,2 15,1
Packer Pressure (psi)	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method	ORP (mV)
Sampling Method	Turbidity (NTU)
Purge Time Begin 11.54 End 136	Time
	DTW (ft bmp) 36.72 36-72
Remarks: 7.7.7.7.1	
Parameter Container	No. Preservative
PID Reading	
Well Casing Volumes	
Gal./Ft. $1^{1/4}$ = 0.06 $2^{"}$ = 0.16 $3^{"}$ = 0.37 $1^{1/2}$ = 0.09 $2 \cdot \frac{1}{2}$ = 0.26 $3 \cdot \frac{1}{2}$ = 0.50	4" = 0.65 6" = 1.47 1) Circle one unit type

http://team/Sites/Offices/North/Northeast Area/Northeast Area Geoscience Forms/Water Sampling Log.XLS - Log

Page \_\_\_\_\_ of \_\_\_\_\_

## Water Sampling Log

Project Non throp 6	rumman OU-2	Project No.	NYOUN	496.0410	. or 2		
Site Location <u>Bethpa</u>	ge, NY		_ Date	12 -	14-10.		
Well No. <u>GM - 20</u>	D. Replicate N	0	Weath	ier	<u>clear</u> .	25°F	
Sampling Personne Pavid Trac	Samny Xu Sampling T	ime: Begin_/J	F15	_	End		
Purge Data	Manada	Field Parameters					
Measuring Point (describe)	70C	Color C	blorlen	Colorler	Cobrea	Color les	
Sounded Well Depth (ft bmp)	226	Odor	none	Mone	hore	none	
Depth to Water (ft bmp)		Appearance	clean	clear.	Clear	clear	
Depth to Packer (ft bmp)	215						
Water Column in Well (ft)	/1		<b></b>	1V	2V	3V	
Casing Diameter	4" (0.65)	pH (s.u.)	9.39	7.09	6.86	6.54	
Gallons in Well	7.15	Conductivity	/ /	' '			
Gallons Purged	ХЗ	(mS/cm) or					
Prior to Sampling	21.45	(µmhos/cm) <sup>1)</sup>	122.3	110.7	112,2	110,9	
Pump Intake		ς.	,			/	
Setting (ft bmp)		Temperature (°C)	14.4	13.2	12.9.	121	
Packer Pressure (psi)	130		· /				
Pumping Rate (gpm)		DO (mg/L)					
Evacuation Method		ORP (mV)					
Sampling Method		Turbidity (NTU)				clear.	
Purge Time Begin	1310 End 15/5	Time	1330	1400.	1442	1415	
		DTW (ft bmp)			•		
Remarks:	1.45	<u></u>					
Parameter	Container	· No.			Preservativ	/e	
VOCS HEP2000	Gonal VO,	4 <u>3</u>		<b>.</b> .			
PID Reading	······································						
Well Casing Volu           Gal./Ft. $1^{1/4_{11}} = 0.06$ $2^{11} = 0.16$	16 3" = 0.37	4" = 0.65					
1 <sup>1/2</sup> " = 0.09 2-½" =	$0.26  3-\frac{1}{2}" = 0.50$	6" = 1.47	1) Circle	one unit ty	pe		

http://team/Sites/Offices/North/Northeast Area/Northeast Area Geoscience Forms/Water Sampling Log.XLS - Log

A	AF	RC/	<b>\D</b>	S
Infrastru	icture,	envirc	nment,	facilities

Water Sampling Log

Project NGC QU-2	Project No. N 001496 0410. 00002
Site Location <u>Bettyinge</u> , N	Date 12-14-10
	icate No. NA Weather <u>clear, 250j=</u>
Sampling Personnel Devict 7racy / Summary	X ~ End
Purge Data	Field Parameters
Measuring Point (describe) 7 c C	Color Coladers Coladers Colorles Coloriers
Sounded Well Depth (ft bmp)	Odor pore none pour now
Depth to Water (ft bmp) 38, 15	Appearance clean clean clean clean
Depth to Packer (ft bmp) / 2 9	
Water Column in Well (ft) $4^{''}(o, b_{T})$	I 1V2V3V
Casing Diameter 7.15	pH(s.u.) 7.05-9.56 9.82 9.20
Gallons in Well	Conductivity
Gallons Purged	(mS/cm) or
Prior to Sampling	(µmhos/cm)" 77.0 78.4 77.6 101.9
Pump Intake	
Setting (ft bmp)	Temperature (°C) 14.8 13.4 13.2 13.7
Packer Pressure (psi) 90 PS.Z.	
Pumping Rate (gpm)	DO (mg/L)
Evacuation Method	ORP (mV)
Sampling Method	Turbidity (NTU)
Purge Time Begin 925 End	Time 0927
	DTW (ft bmp) 40.15
Remarks:	\$×X.
<b>1</b> .45	· ·
Parameter Containe	r No. Preservative
PID Reading	
Well Casing Volumes	
Gal./Ft. $1^{1/4_{w}} = 0.06$ $2^{u} = 0.16$ $3^{u} = 0.3$	
$1^{1/2"} = 0.09 \qquad 2^{-1/2"} = 0.26 \qquad 3^{-1/2"} = 0.26$	50 6" = 1.47 1) Circle one unit type

http://team/Sites/Offices/North/Northeast Area/Northeast Area Geoscience FormsAvater Sampling Log.XLS - Log

Page \_\_\_\_\_ of \_\_\_\_



#### Low-Flow Groundwater Sampling Log

Project	ľ	Vor thing	Grumm	an O	21-2					
Project Numbe		1496.0410		Site Location	Beth	page, M	17	WellID	G7-1-	21D
Date		-13-10		Sampled By	Da	ich Trac	y / Su	inny Xu		
Sampling Time	e	1425- County		Recorded By		Sunn	<u>† Xu</u>			
Weather	¢	louily	4p*/=	Coded Replica	ite No	·				
Instrument Ide		(00 (	allibra	la stas	*	Serial #				
Water Quality	Meter(s)					•				
Casing Materia	al				Method			had by		
Casing Diame	ter	4	<u>″.</u>	Screen	interval (ft bm	р) Тор		I	Bottom	
Sounded Dept	h (ft bmp)		<u> </u>	-	Intake Depth (ft					
Depth to Wate	r (ft bmp)	21.	71	_ Purge	Time	Start	1320		Finish	1,027
				Field Parameter	Measurements		g	· · · · · · · · · · · · · · · · · · ·		
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
\$320	0			13.8	5.06	68.4	276	5,24	<i>.</i> ,	41.71
1325	5			12.9	510	69.0.	285	5.26		
10330	12			13.7	4.99	69.8	297.	5.63		41.83
4335	15			13.7	4.99	70.1	300	s.br.		
1340	20			157	4.98	70.3	301	5.74		41.83
445	25			1318	4.98	7/2	302	sh 74		
BIO	3.0			13.8	A.98	71.2	304	5.73		41.83
\$15	25			13.8	4.96	71.4	306	5.75		
· 14250	40			13.4	4.97.	71.2	309.	5.74		41.83.
\$405	45			13.6	4.98	71.9.	310-	5.70		
¢4/100.	ŝ	·		13,5	4.97	71.8	31/	5.74		41.83
\$\$45	55			13.4	4.95	72.0	312	5.75		
perus	for .			13.4	4.96	72.3.	313.	5.76		41.83
		•		, .						
Collected Sam	ple Condition		Color Cob	-krs	Odor_	none		Appearance	clean.	<u></u>
Parameter MCS	13p200		Container <u>4</u> 371	UOA.		No.			Preservative // C /	
	, ,		<b></b>							
PID Reading								••		
Comments										
1) Circle one L	init type									
I UNCORCE										

# Page \_\_\_\_\_ of \_\_\_\_



Low-Flow Groundwater Sampling Log

γ,

۲

· • ...

Project	XUS	rthrop	Grunn	wan O	u-2.							
Project Numb				Site Location	Bet	hpaye,	~7,	Well ID	GT-1-	3322		
Date	12	-/15/12		Sampled By	Da	il Tro	rcy/.	Sunny?	<u>(.</u>			
Sampling Tim	e/	625.		Recorded By		Sunny	<u>×′</u>		_			
Weather	<u>c (a</u>	24 ×	[_] <u>=</u>	Coded Replica	ite No.							
Instrument Ide	entification											
Water Quality	Meter(s)					Serial :						
Casing Materia	al	PUC.		Purge i	Method		deeli ca	par 6.	adda	<u></u>		
Casing Diame	ter	4''		Screen	Interval (ft bmj	р) Тор	Dedicated blacken					
Sounded Dept	h (ft bmp)			_ Pump I	intake Depth (ft		<u> </u>	<u> </u>				
Depth to Wate	r (ft bmp)	40	18	- Purge	Time	Start	+325	-	Finish	×25-		
				Field Parameter	Measurements	During Purgin	g	<b>.</b>		<del>,</del>		
Time	Minutes Elasped	Flow Rate (m⊔/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity Sumhos or mS/cm) <sup>1)</sup>	ÖRP (mV)	DÖ (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)		
1325	0			1.1	6.69	70.7	264	6.78		46.18.		
1330	5			10.5	7.4)	72,9.	240.	5,20				
1335	10			10,4	7.42	72.6	239	3,22				
1340	15			Cont	7.45	92,2	233	5.24		46.18		
1345	20			10.7	7.44	71.9	230	5.30'				
1350	15			10.7	7.44	71.7	228	5.38		4-6.18.		
1355	30			10.6	7.54	73,2	224.	5,44.				
1432	35			10.6	753	73.9	22/	5.44.		46.21		
1405	40			10.3	7,61	74.9	218	\$,42		/		
1410	45			1015	7.49	75.3	215	\$.78		46,20		
1415	fo			10.4	7.00	74.0.	217	6.27				
1420	<u>t</u> 5			10,4	6.58	73.5	222	6.44		46.20.		
1425-	fo			10.2	6,53	73.5.	225.	6.50				
1430	65.			10.2	6.47.	73.2	228	6.53		46 w		
Collected Sam	ple Condition		Color Col	orless	Odor	none	·	Appearance	Clear			
Parameter			Container			No.	-		Preservative			
TCL VOL	KSP 740		Home i	101>					Jeci			
~ <del>~~~~~</del>					-							
PID Reading												
Comments												
-												
-										<u></u>		

1) Circle one unit type



			Lov	v-Flow Gro	undwater	Sampling	Log			
Project Project Numbe	r Mo	No Ke 96.0	Gnemm.	Site Location	<u>u-z</u> <u>Be</u>	Hypenge, N aurce Tr	<u>17</u>	Well ID	<u>GM-3</u>	4 D
Date		116/10		Sampled By Recorded By	<i>\</i>	aurie Ir	ny X	surny x	( n	
Sampling Time	laú	1320 V 34	of.	Coded Replica		747	ny x	<u>u</u>		
Weather	<u>C Wa</u>	1 22		Goden Kephoe						
Instrument Idei Water Quality I		w				. Serial #				
Casing Materia	tl _			_ Purge	Method	Ģ	led ate	it blade	Cor	
Casing Diamet	er _	<u></u>	(1	Screen	Interval (ft bm	p) Top	309		Bottom	319.
Sounded Dept	h (ft bmp)	319		_ Pump	intake Depth (fi	bmp) .				
Depth to Water	r (ft bmp)	/2',	7/	- Purge	Time	Start	NO.		Finish	
			······	Field Parameter	Measurement		9	r		·····
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	рН (s.u.)	Conductivity (umhos or mS/cm) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1210	ø	450		8.	5.90	130.7	229	3.68		
1215	2			11.9	7.34	183.8	,94	1.23		
1720	10		<u></u>	12.8	8.18	184.9	174	0.91		13,0
1225	15			12.9	8.26	185.5	171	0.89		
1230	مر			12.6	8.85	198.1	92	0.82		13.09
12hs	<i>75</i>			12.7	9.85	177	89	0.82		/
NÍO	30			12.8	9.41	179	90	0.84		13,00
invis	215			12,8	8.26	182	102	0.79		
1250	400			12,8	7,82	182	106	0.76		1300
1255	45	V		12.7	7.24	183	104	0.77		
13,00	10.	_		12.7	7,14	184	103	0.78		, مى 🐛
1305	15			12.7	6.97.	182	<u>jo 2</u>	0.76		
1710	60.			12,4	6,91	182	100	0.78		
Collected Sam	ple Condition		Color		Odor_			Appearance		
Parameter	<i>.</i>		Container			No.			Preservative	
VOCS	ASP2000		40ml	fial		3		-	<u> </u>	
					- -			-		
PID Reading										
Comments										
				. <u></u>						



			Lov	v-Flow Gr	oundwate	r Sampling	l Log			
Project	ト	lor throp	Ground	птен	021-2	<u> </u>				
Project Numb	er <u>NY</u> O	01496.04	10,0002	L Site Location	Bat	Lpage, N	ir	Well ID Suny Y	GM-	34 D2
Date	- 1	12/16/	10	Site Location	Da	sial Tro	eap /	Surny Y	Ч	
Sampling Tim	e	· ·		Recorded By				/		
Weather		maly :	34°F	Coded Replic	ate No.					
Instrument Ide		)								
Water Quality			_			Serial #	ŧ			
Casing Materi	al			Purge	Method					
Casing Diame	ter	4'	í	Scree	n interval (ft bm	ір) Тор			Bottom	
Sounded Dept	h (ft bmp)				Intake Depth (f					
Depth to Wate	r (ft bmp)	<u>[φ, 5</u>	ν.	Purge	Time	Start	131	<u>r                                    </u>	Finish	•
				Field Paramete	r Measurement	s During Purgin	9			
Time	Minutes	Flow Rate	Volume	Temp	pН	Conductivity	ORP	DO	Turbldity	Depth to Water
	Elasped	(mL/min)	Purged	(°C)	(s.u.)	mS/cm) <sup>1)</sup>	(mV)	(mg/L)	(NTU)	(ft bmp)
17,15	0	fus		2.1	7.15	156	67	3.02		
1320.	5			11.1	7.25	106	66	0.88		
1325	le			11.4	7.35	96	68	0.77		
1330	15			12.1	7.49	294	71	641		
1335	20			12.1	757	92	70	0.45		14.53
1340	25			11.8	7.65	93	72	0.43		
1345	3,0			11-6	7.68	94	74	0.62		
1200	<del>}</del> 5			1/.5	7.69	96	77	0.88		14,50.
1355	40			11.5	7.59	101	80	1, 28.		
1400	45	V		11.3	7.49	104		1.59		14,13
17~	-13				<u> </u>	107				-17,12
· · · · ·									<b></b>	
					<u> </u>				<u></u>	
									·····	
[]			<u> </u>		<u> </u>					
Collected Sam	ple Condition		color_Cols	rless	Odor	have		Appearance	clean	
Parameter	han a	0	Container			No.			Preservative	
Tel VOCS	130 200	~	ford	vial				~ •	<u> </u>	1
							· · ·			· · · · · · · · · · · · · · · · · · ·
PID Reading										
Comments										
-						·····		····		
-										
-							·····			
1) Circle one u	nit type									

Page \_\_\_\_\_ of \_\_\_\_\_

### Water Sampling Log

Project Northrop Grumman OU-2	Project No	YOUIX	96.0410	0,00002	
Site Location <u>Bethpage</u> , NY		Date	12-1	14-100	
Well No. <u>GM-35D2</u> Replicate No	MS/MSD	Weath	er	clear	<u> - 1° 7 - </u>
Sampling Personnel David Tracy / Summy Xu Sampling Times	n. <u>MS/M</u> SD - L>+4 H2 ne: Begin	M 11. 00	_	End	
Purge Data	Field Parameters	6			
Measuring Point (describe)	Color	Colori	- Colorlar	(alorles	1 Cole len
Sounded Well Depth (ft bmp) ちのう	Odor	flore	none	none	Maria
Depth to Water (ft bmp)	Appearance	<u> </u>	lebor		cleur_
Depth to Packer (ft bmp)			.		
Water Column in Well (ft)		ļ	1V	2V	3V
Casing Diameter 4'' (0.65)	pH (s.u.)	8.03	6.24	6.5-2	6.13
Gallons in Well 14.95.	Conductivity				
Gallons Purged × 3	(mS/cm) or				
Prior to Sampling 45	(µmhos/cm) <sup>1)</sup>	\$7.5	82.3	80.9	82,3
Pump Intake		<i>.</i> ,		, r	
Setting (ft bmp)	Temperature (°C)	11.8	1 34	12.8	12,9
Packer Pressure (psi)					/
Pumping Rate (gpm)	DO (mg/L)				
Evacuation Method de dicarte bladde y P	ORP (mV)				
Sampling Method 🚧 🗦 😡 🗸	Turbidity (NTU)				clear.
Purge Time Begin <u>5836</u> End 11:00	Time	0336	0915.	10:05	11:00
Ū.	DTW (ft bmp)	37.92	27.96	37.96	37.96.
Remarks: 1777777		-			
Split with Hom.					
Parameter Container TCL WCS ASPZON 40ml Uiul	No. <u>3</u>		-	Preservativ	/e
PID Reading		·	-		
Well Casing Volumes					
Gal./Ft. $1^{1/4_{u}} = 0.06$ $2" = 0.16$ $3" = 0.37$ $1^{1/2_{u}} = 0.09$ $2 - \frac{1}{2}" = 0.26$ $3 - \frac{1}{2}" = 0.50$	4" = 0.65 6" = 1.47	1) Circle	one unit ty	/pe	

http://team/Sites/Offices/North/Northeast Area/Northeast Area Geoscience Forms/Water Sampling Log.XLS - Log



Low-Flow Groundwater Sampling Log

.

Project Numbe Date Sampling Time Veather	12	1596.00 15/10 50. 24 55-0	Recorded By			Hpage, HY Well ID GM-75D2 asid Tracy / Sunny Xu Sunny Xu							
nstrument Ide Vater Quality I						Serial #	¥						
Casing Materia Casing Diamet Sounded Depti	l er	J	/	Screer	Method 1 Interval (ft bm Intake Depth (ft	p) Top bmp)	declicated pladder pup /low-f pBottom						
epth to Water	(ft bmp)	33,3	<i>'</i> .	Purge			1143.		Finish	1250			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Field Parameter Temp (°C)	pH (s.u.)	Conductivity (umhos or	g ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water			
1150		450		6.9	6.30	mS/cm) " 77,8-	256	8.99		(ft bmp) 33,3/			
1155		<u>-4&gt;`</u>		8.2	5.96.	80.1	273	7.21					
1750	<u> </u>			12.0	5.78	84.8.	279.	5.61		33,31.			
1203				10.0	5.67	81,4	2.80.	4,48					
1210	20			10.4	661	85.5	282.	3,61		33,30.			
125	15			10.5	A. 60.	85.5	288	3.29					
ino	20			10.5	5.60	85.5	289	3,18		33,28.			
1225	35		. <u></u>	10.8	5,59	85.7	291	3.04					
1230	40			10.8	5.59	86.0.	292	3,00		33.28			
1235	45			10.4	5.58.	86.3	294	2,98					
1240	10			10,4	5.58	86,5.	295	2,93.		33.28			
1245	tr.		· · ·	10.5	5.58.	86.9	297.	2.85					
1250	60	V	<i></i>	10,9	5.58	86.9	297	2,80	Clear	33.28.			
			<u></u>		<u> </u>		,			<u> </u>			
ollected Samp arameter 22 VOCs	ASP Zor		Container	uor	Odor	<u>Лопе</u> No. 2.		Appearance	<u>Clear</u> Preservative <u>HC</u>				
D Reading													
omments _									· · · · · · · · · · · · · · · · · · ·				
-													



Low-Flow Groundwater Sampling Log

· `.

¢

Page \_\_\_\_\_ of \_\_\_\_\_

Project	$-\Lambda$	IQC_	ou-	2						
Project Numbe	er <u>Áy</u>		<u>0410.</u> ou	) ite Location	Bet	ppey, 1	4	Well ID	6-4-	29 <u>F</u>
Date	12	13.10		Sampled By	<u> </u>	Trans	<u>, Sonn</u>	V		
Sampling Time	، <u>ا</u> ک	50	~~~~	Recorded By	D.	Tray	<u>Sonný</u>	Kermen and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		· · · · · · · · · · · · · · · · · · ·
Weather	(Ja)	A41 4	291-	Coded Replica	ate No.	-1 '	······			
Instrument Ide	ntification									
Water Quality	Meter(s)					Serial	#			····
Casing Materia	al			Purge	Method		Dorte	ctal 1	block	
Casing Diamet		- 4"		Screer	ı interval (ft bm	р) Тор			Bottom	
Sounded Dept	h (ft bmp)	·		Pump	Intake Depth (fi					
Depth to Water	r (ft bmp)	38.2	3	Purge	Time	Start	11:45		Finish	1245.
			-	Field Parameter	Measurement		g			
Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (umbes of m3/cfb) <sup>1)</sup>	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:45		400		14.0	5.59	72.0	278	6.99		38.24
11:50	5			14.0	5.41	72.0	275	6.97	-	~
11:55	10			13.9	5.57	72.0	274	6.93		38.24
1200	15			13.8	5.60	72.0	273	6.93		
1205	20			13.7	5.60	72.4	272	6.98		38.24
1210	75			13.7	5.61	72.4	272	6.97.		
1215	30			13.7	5.63	72,4	271	6.97.		38,24
1270	35			137	564	72,4	270	6.97.		
12305	40			13.7	5.64	72.7	270.	7.00		38.24
1230	45			13.7	5.64.	72.4	270.	7.00		
1230	[~~ [~~			13.7	5.64	72.7.	269	7.00		38.24
1240	55			13.7	5.63.	72.7	269	7.03.		
1245	62.	V		13.7.	5.63.	72.9.	269	7.03		38.24.
							/			
Collected Sam	ple Condition		Color Colo	-less	Odor_	Mone	•	Appearance	clean	·,
Parameter	2000		Container 40m/V	×/		No. Z			Preservative	
								-		·
DID Boading								-		
PID Reading			-							
Comments										
-		<u></u>		· · · ·		· · · ·				
						<u></u>		-	· · · · ·	
A) Circle	n 16 du									<del></del>
1) Circle one u	пістуре									



#### North Gumman Ml-2 Project Well ID GTH-79D Bethnage NY001496,046,040 Site Location Project Number -13-10. Sampled By Date Recorded By SUMMY Sampling Time 40% RED 12 Coded Replicate No. 10. Weather Instrument Identification See Collibration Serial # 10 01 Water Quality Meter(s) Dedicated bladder. **Purge Method** Casing Material 4.1 Bottom Screen Interval (ft bmp) Тор **Casing Diameter** Pump Intake Depth (ft bmp) Sounded Depth (ft bmp) 11:35. 75 10:35 39 Finish **Purge Time** Start Depth to Water (ft bmp) Field Parameter Measurements During Purging Conductivity Depth to ORP DO Turbidity pН Minutes Flow Rate Volume Temp (umhos or Water Time (NTU) (s.u.) (mV)(mg/L) (mUmin) Purged (°C) Elasped (ft bmp) mS/cm) 11 203 5.43 11.5 D: 40 7.9 400 39.80 260. 4.72 18.Z 72. マイ ¥ 0:40 4.81 71.6 260 5169 8 10:45 11. 4.94 262 39.80 12.0' 70 10:50 69 らろい 264 10:155 2 39.80 267 521 14:00 5.5 9.8 123 5.49 5.26. 270 124 70.0. 11:05 *39 .* EV . 273 70.3 12.4 5 5.28 4 1/100 5.26 Ś 275 -70 2.5 11:15 5.3 2 39.83. CIL 76 11.20 279 5.24 70, + 11:35 2. 5.46 70.8 ちあら 5.46 12. 280 29,80 11:30 282 5.34 ıl 1135 1218 5.46 70.8 Co/mlen cleax. Odor\_ none Color Appearance **Collected Sample Condition** Preservative Container No. Parameter Hej 3 Vial 40 m l VOCS HSP 2000 **PID Reading** Comments

Low-Flow Groundwater Sampling Log

1) Circle one unit type

Matrix for Strange     Strange     St	Bype to 2 = 1     12-S-1     12-S-1     12-S-1     12-S-1       Bype to 2 = 2     12-S     12-S-1     12-S-1     V     V       Bype to 2 = 2     12-S     12-S-1     V     V     V       Bype to 2 = 2     12-S     V     V     V     V     V       Bype to 2 = 2     V     V     V     V     V     V     V       Bype to 2 = 2     V     V     V     V     V     V     V       TB 17-05 100     Some     V     V     V     V     V     V       TB 17-05 100     Some     V     V     V     V     V     V       TB 17-05 100     Some     V     V     V     V     V     V       TB 17-05 100     V     V     V     V     V     V     V       Some     Volume     Volume     Volume     Volume     Volume     Volume       Collume     Volume     Some     Some     Volume     Volume     Volume       Some     Some     Some     Some     Volume     Volume     Volume
Mate for Strange     Strange     Strange     Strange       No     1     1     1     1     1       No     <	The state st
North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress       North Stress     Stress	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No. 1     Matrix (Nr. No	Interview Cooler/Oussidy Seal
Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name     Name	Date         Opposition         Gompo           12:-S-rf         Jono         17:3 co           V         0.9 m         0.9 m
	$\frac{12 \cdot S - 1}{V} \frac{12 \cdot S - 1}{V} \frac{1000}{V}$
REMARKS Provide the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	12:5 jenn 12:5 br>12:5
Image: Standard Standard     Image: Standard Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Standard     Image: Sta	$\frac{12 \cdot S \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} \frac{I \cdot D \cdot I}{V} I \cdot D \cdot I$
All All All All All All All All All All	$\frac{1}{12} - \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} $
A Constant of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	$\frac{-1}{-2}$
ACCONTRACTOR STATES	
All All All All All All All All All All	$\frac{-1}{12} = \frac{12 \cdot 3^{-1} f \text{ form}}{12 \cdot 3^{-1} f \text{ form}}$
All All All All All All All All All All	$\frac{-1}{-2}$ $\frac{12 \cdot 5^{-1}}{\sqrt{12} \cdot 5^{-1}}$
Image: Sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector	$\frac{-1}{12} = \frac{12 \cdot 3^{-1} f \text{ from}}{12 \cdot 3^{-1} f \text{ from}}$
Alter State Statement	
A A A A A A A A A A A A A A A A A A A	-1 12-8-4 Joon -2 1 12-8-4 Joon 10 12-8-4 Joon 10 12-8-4 Joon 10 12-8-4 Joon 10 12-8-4 Joon 10 12-8-4 Joon 10 10 10 10 10 10 10 10 10 10 10 10 10 1
A Constant of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	$\frac{-1}{3100} = \frac{1}{12 \cdot 3^{-1}} = \frac{1}{12 \cdot $
A A A A A A A A A A A A A A A A A A A	Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis Colis C
A Constant of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
Image: Section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of t	-1 12-5-1 Jan Comp
Active States and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
A A A A A A A A A A A A A A A A A A A	Date         time         Gomp           12-S-1+         Jonn         12-S-1           1         12-S-1         Jonn
A Contraction of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	12-S-1+ Joon
And An An An An An An An An An An An An An	Date time comp
A S Solution And S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Solution S Sol	
Busice States and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Sample ID Collection Type (*)
	amy Yu
	Sampler's Printed Name: 1 1 Sampler's Signature:
	Project NameLogaton (City, State)
PARAMETER ANALYSIS & METHOD F Other 6 2 or Class	State
	2 Huntington Sund Sunt 130 631-249-7612
	Address
ANALYSIS REQUEST FORM Page /_ of	infrastructure, eovironment, buildings
CHAIN OF CUSTODY & LABORATORY	G ARCADIS   D# CHA

Sample Matrix:       L = Liquid;       S = Solid;       A = Air         Relinquished by: $A = Air$ Organization: $A \sim CM > i > S$ Received by: $A = Air$ $A = Air$ $A = Air$ Received by: $A = Air$ $A = Air$ $A = Air$ Received by: $A = Air$ $A = Air$ $A = Air$ Received by: $A = Air$ $A = Air$ $A = Air$ Received by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Relinquished by: $A = Air$ $A = Air$ $A = Air$ Date $A = Air$ $A = Air$ $A = Air$ $A = Air$ Date $A = Air$ $A = Air$ $A = Air$ $A = Air$ $A = Air$ Date $A = Air$ $A = Air$ $A = Air$ <th>L = Liquid; S = Solid; A = Air <math display="block">by: MUMUUUU = 0 organization: MACDADIS Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date</math></th> <th>L = Liquid; S = Solid; A = Air <math display="block">L = Liquid; S = Solid; A = Air</math> <math display="block">Drganization; Arcuebi S Date - Date - Drganization; Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - D</math></th> <th>ID GG A K K A anization: Arcurbi S Date - anization: Date - Date -</th> <th>ID GGJ A G A G anization: A CAD'S anization: A CAD'S Date anization: Date Date Date Date Date Date Date Date Date Date Date Date Date</th> <th>ID (GJ, M, /th> <th><math display="block">\frac{1-fill Al}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">\frac{file V A i vic T}{file V A i vic T}</math> <math display="block">file V A </math></th> <th><math display="block">\frac{AV}{\frac{1}{2} \sqrt{\frac{1}{2} </math></th> <th><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></th>	L = Liquid; S = Solid; A = Air $by: MUMUUUU = 0 organization: MACDADIS Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date$	L = Liquid; S = Solid; A = Air $L = Liquid; S = Solid; A = Air$ $Drganization; Arcuebi S Date - Date - Drganization; Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - D$	ID GG A K K A anization: Arcurbi S Date - anization: Date - Date -	ID GGJ A G A G anization: A CAD'S anization: A CAD'S Date anization: Date Date Date Date Date Date Date Date Date Date Date Date Date	ID (GJ, M,	$\frac{1-fill Al}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $\frac{file V A i vic T}{file V A i vic T}$ $file V A $	$\frac{AV}{\frac{1}{2} \sqrt{\frac{1}{2} $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
L = Liquid;       S = Solid;       A = Air         by: $M^{*}U^{*}U^{*}U^{*}U^{*}U^{*}U^{*}U^{*}U$	L = Liquid;       S = Solid;       A = Air         by: $MMMM$ Organization: $MMM$ by: $MMMM$ $MMMM$ $Date - Date - Da$	L = Liquid;       S = Solid;       A = Air         by: $M^{-1}M^{-1}M^{-1}$ Organization: $M^{-1}CM^{-1}S^{+}S$ by:       Organization: $M^{-1}CM^{-1}S^{+}S$ Date         Date       Organization: $M^{-1}CM^{-1}S^{+}S^{-1}$ Date         by:       Organization: $M^{-1}CM^{-1}S^{+}S^{-1}$ Date         Date       Organization: $M^{-1}CM^{-1}S^{+1}S^{-1}$ Date         by:       Organization: $M^{-1}CM^{-1}S^{+1}S^{-1}$ Date         Date       Organization: $M^{-1}CM^{-1}S^{+1}S^{-1}$ Date	ID (GG) (P A K G OF OF OF OF OF OF OF OF OF OF	ID GGJ NG A GRAND	ID GGJ NA A A A A A A A A A A A A A A A A A A	$\frac{1-fTICAL}{(a V A k/k) = \frac{1}{(a V A k/k) = \frac{1}$	$\frac{AIV}{4 + 11C AL}$ $\frac{AL-TTIC AL}{4 + 11C AL}$ $\frac{AL-TTIC AL}{4 + 11C AL}$ $\frac{AL-TTIC AL}{4 + 11C AL}$ $\frac{AL}{4 + 11C AL}$	$\begin{array}{c} (4b.0 \ 410. \ 6000 \ 2 \ 10. \ 10000 \ 2 \ 10. \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000 \ 10000\ 10000\ 10000\ 10000\ \ 10000\ \ 10000\ \ 10000\ \ 1000$
$L = Liquid; S = Solid; A = Air$ $by: M^{-1}U^{-1}U^{-1} Organization: M^{-1}CM^{-1}S Date Date Date Date Date Date Date Date$	$L = Liquid; S = Solid; A = Air$ $by: M^{-1}U^{-1}U^{-1} Organization: M^{-1}CM^{-1}S Date Date Date Date Date Date Date Date$	L = Liquid; S = Solid; A = Air $by: MUU = CMD i S = Organization: MACMD i S = Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date - Date$	anization:	anization: Arcuto's Date - Date - Date -	ID GGJ NO LANG	$\frac{1-TTC AL}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)} = \frac{1}{(s V A \ b, c, v = 1)}$	$\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a U) \vee a j_{A} \cup T}$ $\frac{A-Tir(AL}{(a$	$\begin{array}{c} AIV \\ AIV \\ AITIL AC \\ C_{i} \cup VA_{i}AL T \\ C_{i} \cup VA_{i}AL T \\ Ait Maximized Lab ID \\ DateTime \\ TABABLE \\ DateTime \\ TABABLE \\ Lab ID \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 1347 \\ 134$
L = Liquid; S = Solid; A = Air by: $M^{*}W^{*}U^{*}A^{*}$ Organization: $M^{*}CM^{*}b^{*}S$ Date $\Delta$	L = Liquid; S = Solid; A = Air $L = Liquid; S = Solid; A = Air$ $Date - Date	L = Liquid; S = Solid; A = Air by: $M^{-}W'$ Organization: $M^{-}CM^{+}S$ Date /	anization: Archibi S Date _ Date _	anization: Arcurbi S Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date	anization: MACLED <sup>1</sup> D D D D D D D D D D D D D	$\frac{A-TTIC AL}{(a S) VA (a, k) = \frac{1}{12}}$ $\frac{A-TTIC AL}{(a S) VA (a, k) = \frac{1}{12}}$ $\frac{A-TTIC AL}{(a S) = \frac{1}{12}}$ $A-TTIC AL$	$\frac{AV}{4} = \frac{AV}{11C} \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} = \frac{AV}{4} $	$\frac{\langle f_{b}. 0 \   10. (SOOO Z)}{\langle A   A   A   A   A   A   A   A   A   A $
L = Liquid; S = Solid; A =	L = Liquid; S = Solid; A =	L = Liquid; S = Solid; A =				$\frac{1-110}{12} \text{ AL-TTIC AL}$ $\frac{1}{(21)} \text{ VA JALU II-} \qquad \qquad \begin{array}{c} (x & y & y & y & y & y \\ \hline (x & \text{Sampled} & \text{Lab ID} & y & y & y & y \\ \hline (x & \text{Sampled} & \text{Lab ID} & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y & y \\ \hline (x & y & y & y & y & y & y \\ \hline (x & y$	Although the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	$\frac{\langle \mathcal{L}_{e}, \mathcal{O}, $
						$\frac{1-TTC}{(21)} VA i_{i_{i_{i_{i_{i_{i_{i_{i_{i_{i_{i_{i_{i$	$\frac{NV}{L+TILAL}$ $\frac{L+TILAL}{L+TILAL}$ $\frac{L+TILAL}{L+TILLAL}$ $\frac{L+TILAL}{L+TILLAL}$ $\frac{L+TILAL}{L+TILAL}$ $\frac{L+TILAL}{L+TILAL}$ $\frac{L+TILAL}{L+TILLAL}$ $\frac{L+TILAL}{L+TILAL}$ $\frac{L+TILAL}{L+TILLAL}$ $L$	$\frac{A k \cdot C + 10 \cdot C + 000 \times 2}{A \cdot T \cap C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot C + 10 \cdot$
						$\frac{4}{13} = \frac{1}{13} $	$\frac{NV}{L-TTICAC}$	$\frac{Ab \cdot O \cdot 110 \cdot (S \circ O \circ Z)}{A \cdot V} = \frac{A \cdot V}{A \cdot V} = A \cdot V$
						$\frac{1}{12} \frac{1}{12} \frac$	$\frac{N^{N}}{2430} = \frac{N^{N}}{1347} = N^$	$\frac{\langle \mathcal{U}_{e}, \mathcal{O}, \mathcal{V}_{i}   \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, \mathcal{O}, O$
						$\frac{1-110 \text{ AL}}{100 \text{ A JAL III}}$ $\frac{1}{12} \frac{1}{100}	$\frac{AV}{V} = \frac{AV}{V} $	$\frac{A I E \cdot O + I U \cdot O O O Z}{A I A I A I A I A I A I A I A I A I A I$
						$\frac{1}{1} \frac{1}{1} \frac{1}$	$\frac{NV}{V} = \frac{NV}{V} = \frac{NV}{V} = \frac{1}{V} = \frac$	$\frac{AN}{N} = \frac{AN}{N} $
					DI DO DO DO DO DO DO DO DO DO DO DO DO DO	$\frac{1}{\sqrt{1}}$	$\frac{NY}{\frac{1}{3}}$	$\frac{f_{b} \cdot O + 10 \cdot (5000 Z)}{N \times N \times N \times N \times N \times N \times L + 11 (AL)}$ $(4) \cdot V \cap i \wedge i \times I + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +$
						L-TICAL CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAINT CONVAIN	N/Y L-TTICAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANIAL COLVANI	$\frac{f_{b} \cdot O + 10 \cdot (5000 Z)}{N \cdot T + (A + A + A + A + A + A + A + A + A + $
4 4 1327	×	× V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V 1527 V V V 1527 V V V 1527 V V V 1527 V V V V V V V V V V V V V V V V V V V			DISCONTRACTOR	L-TTICAL GIV VA WALTE GIV VA WALTE ATENY//ALCADIS Date/Time Date/Time VZ/1/0 /227 VZ/1/0 /277 VZ/1/0	N/Y N-TTICAL COID VA INNUT COID VA INNUT ALCADIS FRENT//ALCADIS Date/Time IZ/3/0 /227 IZ/3/0 /227 IZ/3/0 /227 IZ/3/0 /227	$\frac{f_{b} \cdot O + 10 \cdot (5000 Z)}{N \cdot V} \qquad ANA$ $\frac{N \cdot V}{N \cdot T \cdot C + 10 \cdot (A \cdot C + 1) \cdot C + 10 \cdot (A \cdot C + 1) \cdot C + 10 \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1) \cdot (A \cdot C + 1$
		$\begin{array}{c c} \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ $	210 210 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		D C C C C C C C C C C C C C C C C C C C	L-TTICAL GIOVAINTE GIOVAINTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAINANTE CAIN	N/Y L-TTICAL GIUVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINATE COVVAINTE COVVAINTE COVVA	$\frac{f_{b} \cdot O + 10 \cdot (5000 Z)}{N \times N \times$
		2. 10 2. 10 2. 10 2. 10 2. 10 10 10 10 10 10 10 10 10 10 10 10 10 1		D COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSSI A COSS	D C C C C C C C C C C C C C	L-TTICAL GIUVAINTE GIUVAINTE FIELN//ALCADIS Date/Time Date/Time Lab ID JUSA Lab ID JUSA Lab ID Lab ID L	N/Y SL-TTICAL GIUVAININE THE CANAL AND AND AND AND AND AND AND AND AND AND	Sampled Lab ID
	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 19 x x x 600 a	D C S TO TO TO TO TO TO TO	D C C C C C C C C C C C C C C C C C C C	L-TTICAL LAID VAILALIT LAID VAILAL	N/Y L-TILAL LAID VAINUT GIV VAINUT FRENY//ALCADIS Date/Time Date/Time Lab ID LOG LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID LAID	Shert 10.000 Z ANA NIV NUTIL AL Shert / ALCADIS ANA Sampled Lab ID
$\begin{array}{c c} & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$	$\begin{array}{c c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & &$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1 2 R L IN IN	A B C A A A A A A A A A A A A A A A A A	CONVANNE (X X X X X X X X X X X X X X X X X X X	NIN SL-TTICAL GIJ JAMUE HENY/ALCADIS	46.0410.000 Z ANA NIV SL-TTICAL GIUVANALT GIUVANALT GIUVANALT GIUVANALT

X	KXXAJ 2.				Relinquished by: W - Wd - 117	L = Liquid S = Solid; A		40 E 1 31396	0081 :	BLANK	2/3/0	3 1 1344	- 17- I 1550	18	701 101 102	Eurenvore Frans 1 149	Swantoz EFT/n5 1149	Tower 102 EFIE. 1/149	2 7 7	Sample ID/Location Matrix Sampled	Sampler(s)/Affiliation D. W. Elix/FErus	Project Manager (P) 160 5/2 1615 VM 10 M	Would ANALYTHA	Project Location BETH PLAC /VV	Project Number/Name // 1001496.0410.00002
Commo		Organization:	<b>D</b>	- Organization:	Organization:	= Air							01							Lab ID ,					20000
⊠Common Carrier		ation:		ation:	ation: 17			<i>U</i>	3	$\mathcal{N}$	N	N	Ś	W	W	N	W	Ś	W	AN K	land 4	1010			
					KURDI			×	Ý	X	X	×	1	4	×	~	×	4		Arc	$\mathbf{i}$				
						1		<b>X</b>	Y	~	×	×	×	×	X	×	×	Ý	Y	No C	520	6			
		Date	7	D	Date			<b>×</b>	×		×	×	X	×	×	×	×	×	×	1.2/81	1.8 /	3×/	/w/		VNIVIVCIC /
🗆 Lab Courier		Date/	sto /	Date /	$te^{2/1}$			4												161			tere de		METHOD
urier			<u> </u>		13110																			1 71/1/2	AIVSIS / METHOD / SIZE
Other		- Time	Time	. Time	Time 1700	Total No. of Bottles/ Containers					Reformen 1		FUNDSAN VOR	Also Lejuanie						Remarks					
SPECIFY AG 05.1200		Yes No N/A	Spal Intart?	Yes No N/A	Seal Intact?	ntainers 2					5		N	· 1 K- 13						Total		•	· · · · · · · · · · · · · · · · · · ·		

.

ARCADIS		<u> </u>	CHA	CHAIN OF CUSTODY & LA	SISA7	ANALYSIS REQUES		FORM		Y Page //	/_ of _/		Lab Work Order#	Order#	
Contact & Company Name:	Telephone		Sayr		Proservative Filiored (r)	B						> TO F E	ervation Key	×	ays Container Information Key 4 - 20 - al Viat
2	a second second		260		# of Containers Container	- W							B HOL C HNO D NAOH		2 1 L'Amber 3 250 ml Plastic 4 500 ml Plastic
an san					/		PARAMETER	RANALY	RANALYSIS & METHOD		/	0 00	E Other		2 oz Glass 4 oz Glass 8 oz Glass
State) NY		Morky6.0410 .0002	.00004		200	$\downarrow$	$\checkmark$	$\checkmark$	/	$\checkmark$	$\langle \rangle$	<u>, r</u>	H Other	6 5 9	9 Other 10 Other
<b>\$</b> C	Sampler's Signa	Ue.	4		Asp	$\checkmark$	$\searrow$	$\checkmark$				Nati SO W-1	Matrix Key SO - Soli W - Water	SE - Sedim SL - Sludge	SE Sedment NL-NAPL/OIL
7 Sample ID	Collection Date Tim	4 0	Type (v) mp Grab	Matrix	Loc				$\sim$		$\downarrow$	8	REMARKS	A-Ar	Other
GM-79D	cherter	C TII	7	3											
GM-79 I		03/c/	5	3	<b>1</b>										
GM-21D		1425	٢	5	ł										
7 51213 CO	13/14-	1000	٢	8	*										
₩T.			7	8	1.										
· 016121 22	12/124		2	r	1										
Special Instructions/Comments:								Special QA/Q	Special QA/QC Instructions(*):	s(⁄);					
Laboratory information and Receipt	ation and Receip				Relinqui	Relinquished By		Ra	Received By		Reling	Rélinguished By		Laborat	Laboratory Received By
Lab Name Columbres Associated Service	Coder Gus	Cooler Custody Seal (V) F		Printed Name Strans	<b>no4</b>	Χe	la	rinted Name		Prin	Printed Name		Print	Printed Name:	
ed with ice $(\delta)$	, 🖂 Intact	- D	Not Intact	Signature:	1		Sg	Signature		Sign	Signature:		Signa	Signature	
Specify Turnaround Requirements	Sample Receipt	ceipt		A III	and		- 	Firm/Courier:		Fina	Firm/Couner:		Firm:		
Shipping Tracking #	Condition(C	Condition/Cooler Temp		Date/Time	DateTime	120		Date/Time:		Date	Date/Time:		Date	DateTime	

$ \frac{Simple S Printed Name \mathcal{L}_{\mathcal{L}}$	$\frac{   }{   } \frac{   }{    } \frac{    }{          $	4-7602 1-7612 0410,0002	Prasoultor Fillowiczy Forconstructure Gontalour Information PARAMETE	ETER ANALYSIS & METHOD	8 METHOD	Preservation Key 2. H.S.S. C. H.N.S. D. Nach E. None E. None E. None E. None E. None E. Other H. Other	Contain 1 40 m 2 200 4 500 5 Enco 6 2 02 7 4 02 8 8 02 9 Other 9 Other
Sample ID	Collection Date Time	Type(/) Matrix	702 450	1		W. Walat T. Tusua REMARKS	SL Siddge SW Sample Wipa A. Air Other S
TBIZIUNO	0130	2					
L-WY	12/14/ 1020	7 3					
	0754 11/2/10						
		<b>,</b> , ,					
Special Instructions/Comments:	Kelissa pe	 المور، عرار		Special QA/QC Instructions(/)	uctions(Y):		
Laboratory information and Recailer Lab Name: Color bin Arrocky+Col Scribby Seal (V)	ition and Receipt Cooler Custody Seal (v ov/)	Prime	Relinquished By Printed Name Scitherry Xu	Received By Printed Name	Printed	elinquistied By	Laboratory Received By Printed Name
cked wit		Not intact     Signature     X	1.	Signature	Signature:		Signature:
	Sample Receipt	Fun,	m Krist S	Firm/Courler:	Firm/Courier		Firm:
Specify Turnaround Requirements:			- S	Date/Time	Date/Time:		Date/Time:

Source Source and a second second second second second second second second second second second second second	Date/Time	0	2	2	Shinolog Tracking #
Firm/Counter: Firm/Counter: Firm/	at.	Firm	Sample Receipt	Sample	Specify Turnaround Requirements
Signature: Signature: Signature:	Signature:	Not intact     sig		[] Intact	EL_Cooler packed with ice (*)
			Contract for Second	(a) (a) (a)	+ Stor Are
Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name: Printed Name	Printed Name:		Laboratory Information and Receipt	ormation and Re	Laboratón (hita)
		Perch	teissa -	- *	* 0.2.172 0.
Li Speciai (AAVAC, instructions(*))		aswy'sw	SA/SE N	for an	special instructions: $\phi(x, \phi, \chi,
		2	<b>K</b> ()	U.U.A.	COE2-W-3
		マシ		N. M.	6m 75 D2
MS/MSD		5	1100	2/5	GM-35 72 *
		<u>र</u> इ	5780	15.1/21	TB 12-15-10
REMARKS	$\mathbf{k}$	o Grab Mauix	0	Dale	Sample
W. Water SL - Sluoge SV- S T-Tissue A Arr Other	Constant -	Type (*)	Collection Ty	Coll	
	13000	<b>{</b>		Sampler's S	Prifiter
		who, and 2	Project #	Project #:	y, State). -{Dd_iú_i
					Me Wils NY 117
PARAMETER ANALYSIS & METHOD E None 5 202 Gas	1	7610	-1.4.2	Cio E-mail Address	RD HUMPHATEN KUMP ZD
B HG: 22 TLRAmon C HNO: 33 2501miPasto 3 2501miPasto A usadi 4 commiPasto	# of Containers	>	: 1. (CA)	Fax:	2
A HSC		760-3	12-1, 72-169	63	
				Telephone:	Contact & Company Name
FORM Page 1 of 1		AN		Telephone	lóings

	Dat	Date/Time:		Date/Time:		artimes, 12/15/57	Date/Time,		Condition/Cooler Temp:	Cond	coxing #	Shipping Tracking #:
		FalleCouler		FimuCouries		proventes	- m		Sample Receipt	Ines	Specity lumatound Kequirements:	Specity Lum
	1	Signature		signature:		* <u> </u>		Li Not Injact		Lintact	$\Sigma_{\mathcal{F}}$ Cooler packed with ice ( $\checkmark$ )	Coole
Prince		Printed Name:		Printed Name		powame Summer X u	Pont		idy Seal (-	125	Shundran Analyt and Cere	
Laboratory Received By	Rélinquished By	Rélino	ReceivedBy		ved By	Relinquished By	2		Receipt	Laboratory Information and Receipt	Laboratory In	
			Special QA/QC Instructions(*):	Special QAV			2	ا) <i>د</i> مقر	Malso	*	special instructions/Comments: Lesvettz go	Special in
											1.5.4	Ś
						-	3	C		*	(FM-34D)	
						-	3	<	P.S.		GW- 34D	R
							3	<	551		000 IT 2	- APOW
							3	4	10/01		3P010 1-1	ele S
							٤	5	1212		B121610	< 10 10 10 10 10
							3	v	~ <u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	12/16/	- TB121610	1
A. AIT	REMARKS			/ /	an dealers	her 1	Matrix	Type (*) Comp Grab	Collection ale Tipe Co	Dag O	sample ID	115, 38
	W-Waler		/	1	· · · ·	10.00			Sampler's Signature:	5	Printed Name: S ULALINA X ~ / Da.). ek. Th	Sampler's Pr
9 Other 35	H. Other		1	1	/w su/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 conto	otio, or	96		ity State) Cox + L for L ( K	
	G Otter	//	RANALYSIS & METHOD		PARAMETE	<u> </u>	•		dress			NAMES OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF
	D NaQH E None				1 1	Container		-7610	631-244-7610		2 Munting ton Rule & Surle 1511	d Re:
	C HNO				× *	# of Containers			1.51	2 7		and a star
	Preservation Ke				र्ष्ट स	Preservative Filtered (*)		$\langle \cdot \rangle$		Telephone:	Contact & Company Name:	Strendervalter.
	1	Page <u>1</u> of <u>1</u>		ST FORM	ANALYSIS REQUEST	LYSIS	ANA				environment, buildings	frastructure
Lab Work Order #	I Lab Worl			トロロス		C C U						9 >

ALVSIS & METHOD     Presencetion Koy B (E) B (	Date Times And Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew State and Andrew Andrew State and Andrew State a	Date/Time:	Date/Time:	01/01	Date/Time	er Temp:	Condition/Cooler Temp	Shipping Tracking #
Instruction         Bits         Control         Summer         Control         Summer         Control         Summer         S		FinuCourier	Firm/Counter;	CHAS_	10	ų	Sample Receit	sectory Turnaround Requirements
Instruction         Bit of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Signature	Signature:	Signature:		Intact Signature	🗆 Not	🖾 Intact	Cooler packed with ice $(\mathbf{r})$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Prin	Printed Na	Printed Name:	ne May	Printed N	Seal (Y)	Cooler Custod	Deldict
Image: Construction         Body         Sector			Received B	position liched By		1 d	<i>ιω</i> )  > ζ <sub>ι</sub>	The t
Image: Networkse     Bit Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note: For Note:		uctions(1⁄):	Special QA/QC Instru				- NE	secial Instructions/Comments:
Image: Second Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Contro     Control     Control								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
Image: Conservation         Servation								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	e							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$								
Name     Provide (Name)     Provide (Nam)     Provide (Nam)     <								
Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     Construction     C								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
Church Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Company Name         Provide Co								
Contra & Company Name         Opposite								
Contact Company Name     Image: Processing of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of							17 150	P-1
Contract Company Name     Instruction     Fragments	REMARKS			1 1 20		Comp	-	Samplerin
Contact Company Neme     Helphone       N//////     0/////////       N////////////////////////////////////	A-Air	1 1 1	1	$\mathcal{C}_{2}$ / /	Matrix		Collection	Samle D
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	9. Olne 10. Omer SE - Sediment SL - Sludge			000	a shakara ka say na b	1204	Project # MY(CV) Sampler's Signature	ivelle ivelogi (Givi State) histori vervene Great - the first
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	00 × 0	8 METHOD	TER ANALYSIS	PARAME			E-mail Address:	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	σ 4 ω					NC-DI	1-129	A North Charles
	N-00					49-X6	race in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	Manace & Company Venice 11 11 A.C. R. A.M.
	Lab Work Order #		[11] C.S.S. C. MARKER, N.S. S. M. P. P.	CHAIN OF CUSTODY & LA ANALYSIS REQUES	HAIN OF		Telephone	ID#:

nfrastructure, environment, buildings	$ \begin{array}{c} \hline \  \  \  \  \  \  \  \  \  \  \  \  \$	1 Com		ANALYSIS REQUES	2 🛰 - 이상 - 이상 이상 - 이상 - 이상 - 이상 - 이상 - 이상	T FORM Page	Page			f of f
<u>TB122010</u> RZP122010	Y		33	$\frac{1}{l}$						
Bbow 4-2	1-1~4c) *		3	~ <b>3</b> .						w/s/w
* Blow - 1	h/-10-1610		7 3					51 (Sefet Ref		
								3836 833		
								NY 200		
								63.00 C C C C C C C C C C C C C C C C C C		
								तन्तः, भ्यः अग्रेषः सर्वे संस्थित्वः		
Special Instructions/Comments:	phere u	ure for	RA/ac		a csw/sw	Uspecial QA/QC Instructions(/):	ر ructions(۷):	-		-
	Laboratory information and Receipt Cooler Custody Seal (*)	dy Seal (* )	Printed Name	Relinquished By		Received By Printed Name:	By		Printed Name	Relinquished By Printed Name:
SJ-Cooler packed with ice (Y)	Intact	🛛 Notintact	Signat			Signature			Signature	ignature
Specify Turnaround Requirements:	Sample Receipt		Firm:	brodes	3	Firm/Courier	-		Firm/Courier:	mr/Courier.
		apt	NAME AND ADDRESS OF A DOCUMENT	Date/Time:		Date/Time:	m	_ Q I	Date/Time:	

Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By         Relinquisited By<
Avery Constance Lationmation Key 1 (John Wai 2 (John Wai 3 Schult Plast 5 Schult Plast 5 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 6 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 4 Schult Plast 7 7 4 Schult Plast 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7