August 12, 2013

Mr. Michael Mason

New York State Department of Environmental Conservation

Division of Environmental Remediation

625 Broadway, 12th Floor

Albany, New York 12233-7013

Subject: Former Diamond Cleaners Site, Site No. 808030

Draft Field Activities Report - Groundwater and Soil Sampling Results

Work Assignment # D007619-03

MACTEC Engineering and Consulting, P.C., Project No. 3612112209

Dear Mr. Mason:

MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the New York State Department of Environmental Conservation (NYSDEC), is submitting this Field Activities Report (Report) for the former Diamond Cleaners Site (DC Site) located at 717 Lake Street in the north-central section of the City of Elmira, Chemung County, New York (Figure 1). The Site is listed as a Class 2 Inactive hazardous waste site; Site No. 808030 in the Registry of Hazardous Waste Sites in New York State (NYS). This Report is being submitted under the NYSDEC Work Assignment #D007619-03, and in accordance with the Superfund Standby Contract between MACTEC and the NYSDEC.

INTRODUCTION

The purpose of the work performed is to monitor the effectiveness that the recently completed remedial action at the Site has had on groundwater quality, and to assess soil and groundwater quality at the nearby Associated Textile Rental Services (ATRS) Site.

The Site consists of a one-acre lot in a commercial and residential area. Prior to the remedial action conducted in 2012 to address chlorinated solvent contamination in soil and in groundwater, the Site contained a one story building with a grassy area west of the building, gravel parking area

south of the building, and a paved parking area north of the building. The building superstructure was demolished in March 2011.

The former ATRS Site is a roughly 0.75 acre parcel located at 714 Baldwin Street in a light industrial area of the City of Elmira, Chemung County, New York. The Site contains an approximately 6,000 square foot warehouse building and a small driveway. The remainder of the property is grass covered. Vacant property borders the Site to the north and south. The DC Site is located upgradient, approximately 300 feet east of the ATRS property. Industrial property lies to the west of the ATRS Site, across Clemens Parkway. The Sullivan Street Public Supply Wells are located approximately 5,000 feet north of the Site.

BACKGROUND

The NYSDEC issued the DC Site Record of Decision (ROD) for operable unit (OU)-1 on 31 March 2008 (NYSDEC, 2008a). The OU-1 ROD selected demolition of the DC Site building, excavation of contaminated soils exceeding remediation goals, and transportation and off-Site disposal of contaminated soil and building debris as the remedy for source area soils.

The NYSDEC issued the ROD for OU-2 in March 2010 (NYSDEC, 2010). The OU-2 ROD selected in-situ chemical oxidation and in-situ enhanced biodegradation as the remedy for Site groundwater. Sodium permanganate would oxidize contaminants in the source area. When source area groundwater stabilizes, enhanced biodegradation reagents could be injected if necessary pending results of groundwater monitoring.

Remedial action at the DC Site conducted in 2012 consisted of:

- excavation of contaminated soils exceeding remediation goals, and transportation and off-Site disposal of contaminated soil and building debris
- injection of sodium permanganate to oxidize groundwater contaminants in the source area
- installation of 12 groundwater monitoring wells (MW-12 through MW-23) both on-Site and off-Site; these wells had not been sampled prior to the field activities discussed in this Report.

A summary of the remedial action conducted in 2012 is contained in the Final Engineering Report (MACTEC, 2013a).

Groundwater monitoring discussed in this Report was conducted to monitor the effectiveness of the recently completed remedial action. In addition, sampling activities were performed to assess soil and groundwater quality at the nearby ATRS Site.

Subsequent investigations at the DC Site, including pre-design investigations conducted in separate mobilizations in March 2010, October 2010, and May 2012 were completed following the issuance of the ROD (NYSDEC, 2010), and are described in the Final Engineering Report (MACTEC, 2013a). Previous investigations at the ATRS Site are described in the 2008 Final Site Characterization Report for the ATRS Site (MACTEC, 2008) and the DC Remedial Investigation/Feasibility Study Report (MACTEC, 2009).

FIELD ACTIVITIES – MAY 2013

The objective of the May 2013 field investigation was to 1) monitor the effectiveness that the recently completed remedial action at the DC Site has had on groundwater quality, and 2) to assess soil and groundwater quality at the nearby ATRS Site.

Field activities planned at the DC and ATRS Sites is outlined in the Field Activities Plan (FAP): May 2013 Groundwater Sampling – former Diamond Cleaners (NYSDEC Site 808030) (MACTEC, 2013b). Fieldwork discussed in this Report was performed during the period between May 6 and May 9, 2013.

The following activities were conducted at the DC and ATRS Sites:

- A total of 36 groundwater samples were collected from 35 monitoring locations associated with the DC and ATRS Sites. Water samples were submitted for volatile organic compound (VOC) analysis
- A total of six (6) grab groundwater samples and 11 soil samples were collected from five direct push soil borings advanced on the ATRS property. Soil borings were placed coincident with sample locations previously advanced during a 2007 investigation conducted at the ATRS Site. Water and soil grab samples were submitted for VOC analysis;

MACTEC Engineering and Consulting, P.C. Project No. 3612112209

Under direct contract with the NYSDEC, analytical and drilling services were provided by the following NYSDEC callout contractors:

- TestAmerica Laboratories, Inc. provided soil and groundwater laboratory analytical services
- SJB Services, Inc./Empire Geo Services, Inc. -provided direct-push drilling services and provided means to treat discharge/purge water on-Site using granular activated carbon (GAC).

Investigation Derived Waste

Use of dedicated sampling equipment was used to the extent practical during this field effort. Used disposable equipment and personal protective clothing was double bagged in polyethylene trash bags and sealed with twist ties. This material was disposed of as nonhazardous municipal solid waste.

Groundwater well and direct push purge water generated during sampling activities at locations identified to be contaminated based on previous sampling results was containerized and treated on-Site using a portable GAC unit. The list of wells/borings identified as needing groundwater GAC treatment was provided in Table 2 of the FAP (MACTEC, 2013b). Treated water and groundwater from wells in which treatment was identified as not being necessary, as well as wash-water used to clean direct-push tools and water level indicators was discharged to the ground in a controlled manner.

Groundwater Sampling Activities

To evaluate current groundwater concentrations in the vicinity of the DC and ATRS Sites, low-flow groundwater sampling was conducted at 35 monitoring locations, as shown on Figure 2. Prior to groundwater sampling, water level measurements were collected at previously installed monitoring wells and piezometers both on- and off-Site.

Well sampling was conducted by MACTEC personnel according to MACTEC's Program Quality Assurance Program Plan (MACTEC, 2011). Field parameters, including water levels, pH, temperature, specific conductivity, oxidation reduction potential and dissolved oxygen were also recorded at each monitoring location during pre-sample purging. Following collection, groundwater samples were submitted to TestAmerica Laboratories, Inc. for laboratory analysis of VOCs by United States Environmental Protection Agency (USEPA) Method 8260 following the

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NYSDEC Analytical Services Protocols (NYSDEC, 2005). Groundwater monitoring field data

records are included in Attachment 1.

Groundwater purged during monitoring well sampling and direct-push groundwater grab sampling was containerized and treated on-Site using a portable GAC unit. The list of wells/borings identified as needing GAC treatment based on previous sampling results is provided on Table 1. Groundwater from wells in which treatment was not necessary was discharged to the ground in a

controlled manner.

<u>Direct Push Sampling Program – ATRS Site</u>

To assess current soil and groundwater quality, as well as to compare current results to results at those sample locations previously evaluated at the ATRS Site, direct push soil and water sampling

were conducted, as described in the following sub-sections.

Direct Push Soil Borings

Based on previous analytical data, soil borings during the May 2013 sampling event were placed coincident to previous borings advanced during a 2007 investigation performed at the ATRS Site. To evaluate the extent of potential soil contamination at the ATRS Site, five new soil borings (ATGW-002A, ATGW-026A, ATGW-043A, ATGW-045A, and ATGW-046A) were advanced at locations south and east of the ATRS Site building, similar to those completed in 2007. Soil boring locations

are shown on Figure 2.

Soil samples were collected continuously from the ground surface to a maximum depth of 19 feet below ground surface. Soil samples were described consistent with the Unified Soil Classification System. Photoionization detector (PID) headspace readings were used to screen soil samples for the potential presence of VOCs as each soil sample was removed from the sample collection tube. The sample description and classification, PID headspace reading, and boring observations were

recorded on the Soil Boring Logs, included in Attachment 1.

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Two soil samples were collected from each boring for laboratory analysis of VOCs by USEPA Method 8260C with methanol preservation. The sample intervals were selected based on the portion of the soil core that had the highest PID reading, or were selected by the field geologist based on visual and/or olfactory characteristics. Upon completion, each boring was backfilled and the ground surface repaired to its original condition.

Direct Push Groundwater Sampling

Subsequent to direct push soil sampling, groundwater grab samples were collected from each direct push soil boring location. Upon completion of the soil sampling, a temporary one-inch diameter polyvinyl chloride narrow diameter well with a five-foot screen was deployed into each borehole. Groundwater was then purged and sampled from these temporary points at low-flow rates using dedicated polyethylene tubing and a peristaltic pump. Groundwater grab samples were submitted for laboratory analysis of VOCs by USEPA Method 8260. Relevant sample information was recorded on the direct push soil boring logs (see Attachment 1).

RESULTS

Groundwater Level Readings

Water level readings were collected to establish the potentiometric groundwater surface underlying the DC and ATRS Sites and the surrounding area at the time of sampling. Water level elevations and monitoring locations construction information are presented on Table 2. Based upon the water level readings, groundwater is interpreted to flow to southwest west across the two Sites, as depicted on Figure 3.

Soil and Groundwater Sampling

The results for the May 2013 soil and groundwater sampling event are discussed in the following subsections. Table 1 summarizes VOC detections in groundwater samples. Analytical data from groundwater samples were compared to the New York Codes, Rules, and Regulations (NYCRR) Subpart 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations, Class GA Waters (NYSDEC, 2008b). Table 3 summarizes VOC detections in soil samples, with results compared to the NYCRR Subpart 375-6.8: Soil

Cleanup Objectives (NYSDEC, 2006). Sample concentrations observed to exceed criteria are presented with bold/shaded text in these tables. The Data Usability Summary Report and complete analytical results are included in Attachment 2.

Groundwater Sampling Results

The concentrations of chlorinated solvents, as well as fuel related compounds detected in groundwater samples at the DC and ATRS Sites were observed to be generally consistent with historic data or are generally decreasing for most parameters at most locations. Results of the May 2013 sampling event show concentrations of primary groundwater contaminants of concern (COCs) (primarily tetrachloroethene [PCE], trichloroethene [TCE], cis-1,2-dichloroethene [cis-1,2-DCE], and vinyl chloride), in addition to other VOC compounds (including benzene and its derivatives) reported at levels above NYS GA Standards at locations on both the DC and ATRS Sites. Sample locations, including detections of PCE, TCE and cis-1,2-DCE, are shown on Figure 4.

Diamond Cleaners Site

Results from groundwater samples collected at locations near the area of remedial action (i.e., GW-002, MW-001, MW-007, MW-020 and MW-021) at the DC Site generally show an improvement in groundwater quality in the vicinity of the contaminant source area, possibly a result of the recent remedial action at the DC Site. Concentrations of PCE, TCE and cis-1,2-DCE are generally reported at levels lower than those from previous sampling events. Note that wells MW-020 and MW-021 were installed in the area of previously sampled MW-005, which was destroyed during remedial construction related activities in 2012. Analytical data from these two locations was evaluated along with previous data from MW-005.

ATRS Site

<u>Groundwater Sampling Results – ATRS Site Monitoring Wells</u>

Groundwater sample data reported from samples collected at the ATRS Site show concentrations of chlorinated solvents and fuel related compounds above NYS GA Standards at six monitoring well locations. Concentrations of PCE, TCE, cis-1,2-DCE, benzene, ethyl benzene, isopropyl benzene,

toluene and xylenes were reported in excess of NYS criteria at ATMW-001, ATMW-001R, ATMW-002, ATMW-004, ATMW-008, and ATMW-009.

<u>Groundwater Sampling Results – ATRS Site Direct Push</u>

Chlorinated solvents and fuel related VOCs were detected in each of the five groundwater samples obtained at the ATRS direct push locations; VOC compounds were reported above NYS GA Standards for each of the five groundwater samples.

Soil Sampling Results – ATRS Site Direct Push Soil Borings

Unconsolidated overburden encountered during soil sampling at the direct push soil borings at the ATRS Site consisted of silts, sands and gravels of varying consistency. These observations are similar to those described during previous investigations.

Analytical results reported from soil samples collected at the five soil borings indicate that relatively low concentrations of VOCs, including PCE, TCE and cis-1,2-DCE, were reported in each of the soil borings. Toluene was detected in ATGW-002A and in ATGW-043A. None of the detected compounds were reported above NYSDEC criteria. Benzene, ethyl benzene, isopropyl benzene, and xylenes were not detected in any of the samples. Sample locations and detections of VOC compounds are shown on Figure 5.

SUMMARY AND RECOMMENDATIONS

The May 2013 sampling investigation was conducted to monitor the effectiveness that the recently completed remedial action at the DC Site has had on groundwater quality, and to assess soil and groundwater quality at the nearby ATRS Site. The findings of the investigation are summarized below:

Summary

Former Diamond Cleaners Site

 A total of 25 groundwater samples were collected from 25 monitoring locations associated with the DC Site. Water samples were submitted for VOC analysis. Concentrations of VOCs, including PCE, TCE, cis-1,2-DCE and vinyl chloride exceeded NYS GA Standards at several locations;

Results from groundwater samples collected at GW-002, MW-001, MW-007, MW-020 and MW-021 at the DC Site generally show an improvement in groundwater quality in the area of remedial action, possibly a result of the recent remedial action at the DC Site. Concentrations of PCE, TCE and cis-1,2-DCE are generally reported at levels lower than those from previous sampling events.

ATRS Site

- Groundwater samples were collected from 10 groundwater monitoring wells associated with the ATRS Sites to evaluate concentrations of VOC compounds in shallow groundwater. Concentrations of chlorinated solvents and fuel related compounds exceeded NYS GA Standards at six (6) locations;
- To better understand contaminant distribution south and east of the ATRS Site building, 11 soil samples and five groundwater samples were obtained from 5 exploration locations and analyzed for VOCs. Site related COCs, including PCE, were detected in each soil sample; no VOCs were reported above NYS criteria. Chlorinated solvents and fuel related VOCs were detected in each of the five groundwater samples obtained at the ATRS direct push locations; VOC compounds were reported above NYS GA Standards for each of the five groundwater samples.

Recommendations

Based on findings from the May 2013 soil and groundwater sampling program conducted at the DC and ATRS Sites, AMEC has the following recommendations for further investigation at one or both of the Sites:

- 1) No apparent boundary of groundwater contamination has been established along the southern end of the plume in the area of the DC and ATRS Sites. Additional sampling and proposed well installation is recommended in the area to the south of the ATRS building to determine the lateral extent of the plume.
- 2) Soil data obtained previously during the Region 8 Site characterization at the ATRS Site (MACTEC, 2008) indicate that shallow soil contamination was encountered in borings east of the ATRS Site building. This, combined with the results from the May 2013 soil borings, suggests the contamination reported to date is residual and that the source area has not been identified. Additional soil borings along the east and south sides of the building are recommended to define the limits and possibly a source of soil contamination in this area.
- 3) Based on previous soil vapor data reported in the 2008 Site Characterization report for the ATRS Site (MACTEC, 2008), there is the potential for soil contamination (and potentially the source) to be located under the ATRS building. Additional soil vapor sampling and potential interior soil borings (if possible) are recommended to potentially identify a

- contaminant source underlying the ATRS building, as well as confirm previously reported soil vapor results obtained during the 2008 Site characterization (MACTEC, 2008).
- 4) Based on concentrations of fuel related compounds (benzene, ethyl benzene, isopropyl benzene, toluene and xylenes) reported in groundwater samples collected at ATMW-001, ATMW-001R, ATMW-002 and ATMW-004, further investigation to better characterize evidence of benzene and its derivates noted during previous sampling at ATRS Site is recommended.
- 5) The OU-2 ROD for the DC Site (NYSDEC, 2010) recommended soil vapor sampling at the DC Site to monitor the effectiveness of the remedial action. Sampling vapor sampling at both the DC site and the ATRS site is recommended to determine if there are vapor intrusion concerns.
- 6) While concentrations of chlorinated solvents have shown a recent decrease at sample locations in close proximity to the area of remedial action, continued monitoring of groundwater quality is recommended to evaluate the effectiveness of the remedy over time.

We appreciate the opportunity to present this report. If you have any questions or concerns please call Mark Stelmack at 207-828-3592 or Lucas Benedict at 207-828-3599.

Sincerely,

MACTEC Engineering and Consulting, P.C.

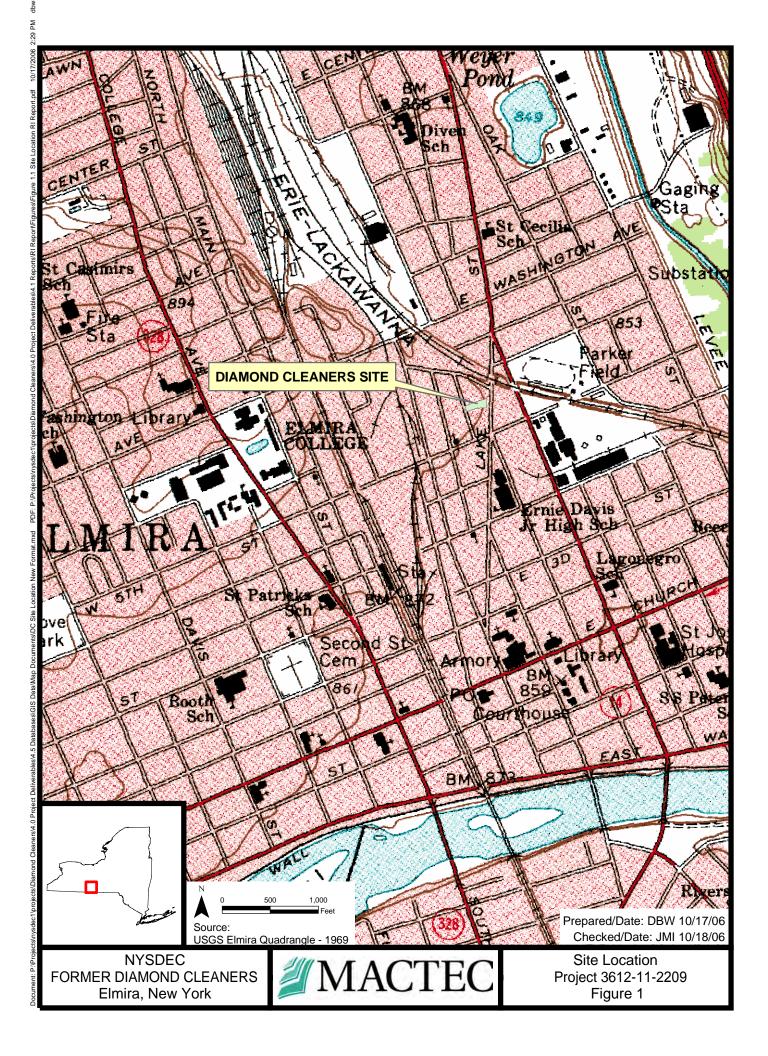
Mark J. Stelmack, PE Project Manager Lucas J. Benedict

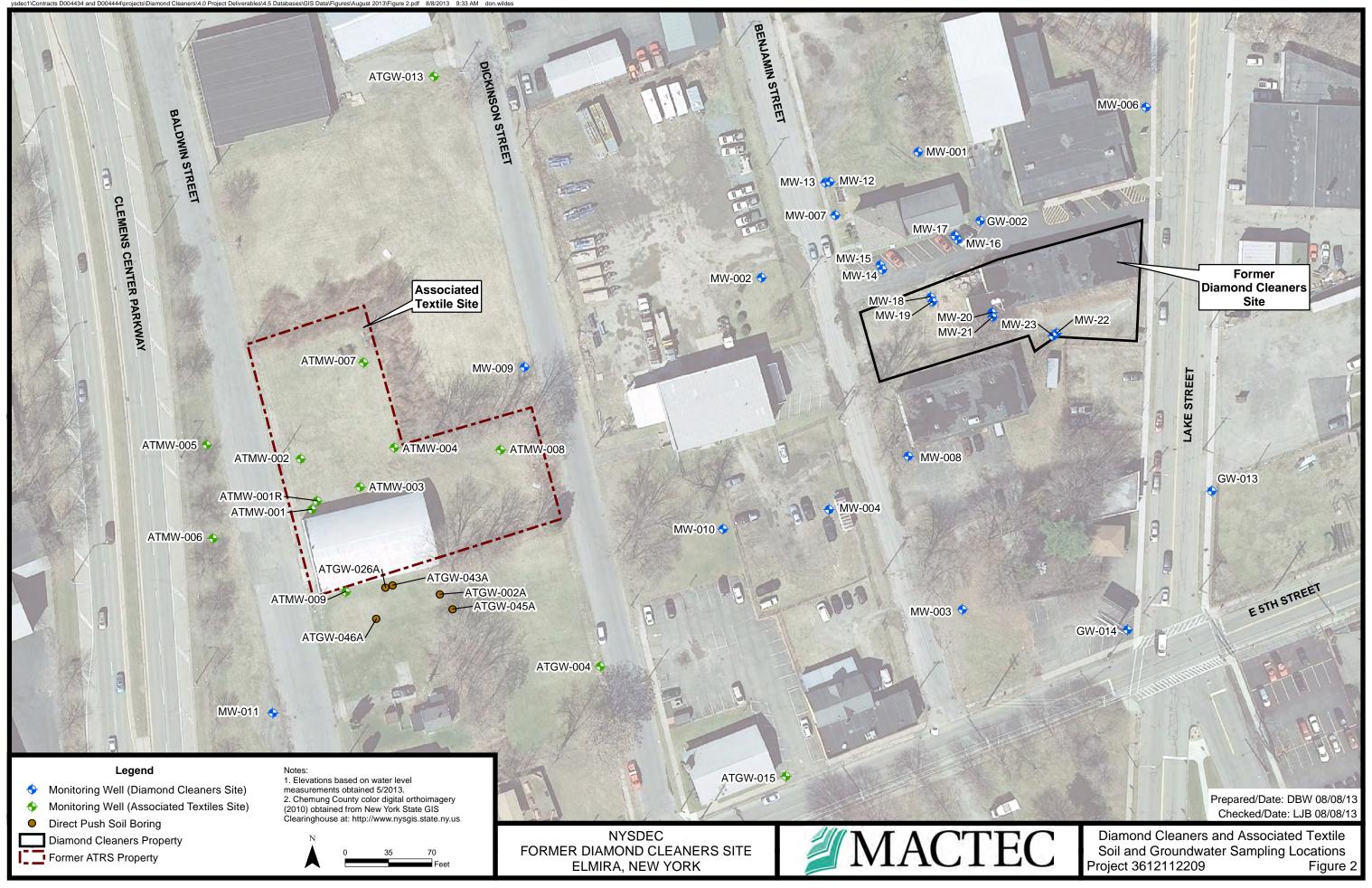
Project Scientist

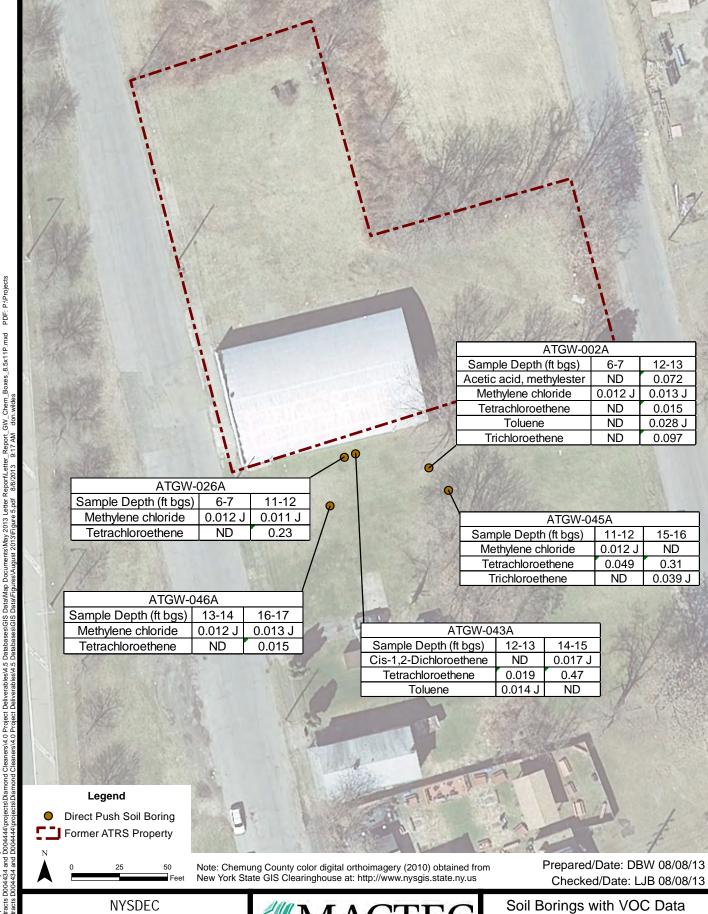
Enclosures (2)

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- MACTEC, 2009. Remedial Investigation/Feasibility Study Report, Operable Unit 2, Diamond Cleaners Site Number 808030. Prepared for the New York State Department of Environmental Conservation, Albany, New York. December 2009.
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- NYSDEC, 2008b. New York Codes, Rules, and Regulations, Title 6, Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (http://www.dec.ny.gov/regs/4590.html), Effective February 16, 2008.
- NYSDEC, 2010. Record of Decision, Diamond Cleaners Site, Operable Unit 2, Elmira, Chemung County, New York, Site Number 808030; March 2010.







Project 3612112209

Figure 5

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FORMER DIAMOND CLEANERS SITE ELMIRA, NEW YORK

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	GW-002	GW-013	GW-014	MW-001	MW-002	MW-003
	Sample Date	5/7/2013	5/8/2013	5/8/2013	5/7/2013	5/8/2013	5/7/2013
	Sample ID	DCGW00212013XX	DCGW01312013XX	DCGW01413013XX	DCMW00112013XX	DCMW00212013XX	DCMW00312013XX
	Qc Code	FS	FS	FS	FS	FS	FS
Parameter	Criteria	Result Qualifier					
1,1,1-Trichloroethane	5	0.12 Ј	1 U	1 U	1 U	0.087 J	0.11 J
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	3.4	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	0.44 J	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	2.1	1 U
1,3-Dichlorobenzene	3	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 UJ	1 UJ	1 U	1 U	1 U
2-Butanone	50	5 UJ	5 UJ	5 UJ	5 UJ	11 J	5 UJ
Acetone	50	5 UJ	13 J	5 UJ	5 UJ	2.8 J	5 UJ
Benzene	1	1 U	0.15 J	1 U	1 U	0.17 J	1 U
Bromoform	50	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Bromomethane	5	1 U	1 UJ	1 UJ	1 U	0.25 J	1 U
Carbon disulfide	60	1 U	0.42 J	0.31 J	1 U	1 U	1 U
Chlorodibromomethane	50	1 U	1 UJ	1 UJ	1 U	89	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	0.41 J	1 U
Chloroform	7	1 U	1 U	1 U	1 U	0.11 J	0.28 J
Chloromethane	5	1 U	1 U	1 U	1 U	0.19 J	1 U
Cis-1,2-Dichloroethene	5	1.7 J	1 U	2	2.4 J	220 J	14 J
Cyclohexane		1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ
Ethyl benzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Methyl cyclohexane		1 U	1 U	1 U	1 U	0.18 J	1 U
Methyl Tertbutyl Ether		1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	130	1 U	0.15 J	7.4	100	46
Toluene	5	1 U	0.27 J	0.18 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 UJ	1 U	1 U	1 UJ	0.99 J	1 UJ
Trichloroethene	5	4.9	1 U	0.29 J	3.2	16	4.7
Vinyl chloride	2	1 U	1 U	1 U	1 U	0.93 J	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	MW-004	MW-004	MW-006	MW-007	MW-008	MW-009
	Sample Date	5/8/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013
	Sample ID	DCMW00412013XD	DCMW00412013XX	DCMW00612013XX	DCMW00712013XX	DCMW00812013XX	DCMW00912013XX
	Qc Code	FD	FS	FS	FS	FS	FS
Parameter	Criteria				Result Qualifier		Result Qualifier
1,1,1-Trichloroethane	5	5 U	5 U	1 U	1 U	1 U	0.12 J
1,1,2-Trichloroethane	1	5 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	5 U	5 U	0.25 J	1 U	1 U	1 U
1,1-Dichloroethene	5	5 U	5 U	1 U	0.31 J	1 U	0.19 J
1,2-Dichloroethane	0.6	5 U	5 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	5 U	5 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	5 U	5 U	1 U	1 U	1 U	1 U
2-Butanone	50	25 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Acetone	50	25 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	1	5 U	5 U	1 U	0.1 J	1 U	0.099 J
Bromoform	50	5 UJ	5 UJ	1 UJ	1 U	1 U	1 UJ
Bromomethane	5	5 U	5 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	5 U	5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	5 U	5 U	1 U	1 U	1 U	1 U
Chloroethane	5	5 U	5 U	1 U	1 U	1 U	1 U
Chloroform	7	5 U	5 U	1 U	1 U	0.17 J	1 U
Chloromethane	5	5 U	5 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	5	9.4 J	10 J	13 J	130 J	42 J	150 J
Cyclohexane		5 UJ	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Ethyl benzene	5	5 U	5 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	5 U	5 U	1 U	1 U	1 U	1 U
Methyl cyclohexane		5 UJ	5 UJ	1 UJ	1 U	1 U	1 UJ
Methyl Tertbutyl Ether		5 U	5 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	620	660	0.11 J	190	85	50
Toluene	5	5 U	5 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	5 UJ	5 UJ	1 UJ	0.74 J	0.33 J	0.81 J
Trichloroethene	5	4.4 J	3.7 J	0.39 J	29	8.2	11
Vinyl chloride	2	5 U	5 U	0.21 J	1.1	0.59 J	0.15 J
Xylenes, Total	5	15 U	15 U	3 U	3 U	3 U	3 U

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

H = Exceeded method hold time

Prepared by:LJB 7/19/2013
4.1 Table 1.xls
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Checked by: MJS 8/5/2013

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	MW-010	MW-011	MW-012	MW-013	MW-014	MW-015
	Sample Date	5/7/2013	5/6/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
	Sample ID	DCMW01012013XX	DCMW01112013XX	DCMW1212013XX	DCMW1312013XX	DCMW1412013XX	DCMW1512013XX
	Qc Code	FS	FS	FS	FS	FS	FS
Parameter	Criteria	Result Qualifier					
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	0.12 J	0.6 J	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U
Acetone	50	5 UJ					
Benzene	1	1 U	1 U	0.084 J	0.13 J	1 U	1 U
Bromoform	50	1 U	1 UJ	1 U	1 UJ	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.18 J	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	5	5.9 J	1 UJ	81 J	270 J	92	1 U
Cyclohexane		1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U
Ethyl benzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Methyl cyclohexane		1 U	1 UJ	1 U	1 UJ	1 U	1 U
Methyl Tertbutyl Ether		1 U	1.3	1 U	1 U	1 U	1 U
Tetrachloroethene	5	270	0.15 J	200	250	150	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 UJ	1 UJ	0.55 J	1.5 J	0.76 J	1 U
Trichloroethene	5	2.2	1.4	24	54	19	1 U
Vinyl chloride	2	1 U	1 U	1 U	2.2	2.1	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	MW-016	MW-017	MW-018	MW-019	MW-020	MW-021
	Sample Date	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013
	Sample ID	DCMW1612013XX	DCMW1712013XX	DCMW1812013XX	DCMW1912013XX	DCMW2012013XX	DCMW2112013XX
	Qc Code	FS	FS	FS	FS	FS	FS
Parameter	Criteria		Result Qualifier		Result Qualifier	Result Qualifier	Result Qualifier
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	18
Acetone	50	5 UJ	5 UJ	5 UJ	36 J	5 UJ	440 J
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	4
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	0.68 J
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	5	2.7	8.1	84	2	100	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U
Ethyl benzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Methyl cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tertbutyl Ether		1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	250	67	110	1.2	2	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	0.38 J	1 U	1 U	1 U
Trichloroethene	5	7.8	11	9.6	1 U	1.1	1 U
Vinyl chloride	2	1 U	0.54 J	1.4	1 U	6.2	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U

Notes:

Samples analyzed for VOCs by SW846 $8260\,$

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	MW-022	MW-023	ATGW-002A	ATGW-002A	ATGW-026A	ATGW-043A
	Sample Date	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/8/2013	5/8/2013
	Sample ID	DCMW2212013XX	DCMW2312013XX	ATGW00212013XD	ATGW00212013XX	ATGW02612013XX	ATGW04312013XX
	Qc Code	FS	FS	FD	FS	FS	FS
Parameter		Result Qualifier					
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	5 U	10 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	5 U	10 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	5 U	10 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	5 U	10 U
1,2-Dichloroethane	0.6	1 U	1 U	1 UJ	2 J	5 U	10 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	5 U	10 UJ
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	5 U	10 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	25 UJ	50 UJ
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	25 UJ	50 UJ
Benzene	1	1 U	1 U	1 U	0.21 J	5 U	10 U
Bromoform	50	1 U	1 U	1 U	1 U	5 UJ	10 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	5 U	10 UJ
Carbon disulfide	60	1 U	1 U	1 U	1 U	5 U	2.7 J
Chlorodibromomethane	50	1 U	1 U	1 U	1 U	5 U	10 UJ
Chloroethane	5	1 U	1 U	1 U	1 U	5 U	10 U
Chloroform	7	1 U	1 U	1 U	1 U	5 U	10 U
Chloromethane	5	1 U	1 U	1 U	1 U	5 U	10 U
Cis-1,2-Dichloroethene	5	12	1 U	1 U	1	63 J	79 J
Cyclohexane		1 U	1 U	1 U	1 U	5 UJ	10 U
Ethyl benzene	5	1 U	1 U	1 U	1 U	5 U	10 U
Isopropylbenzene	5	1.4	1 U	1 U	1 U	5 U	10 U
Methyl cyclohexane		1 U	1 U	1 U	1 U	5 UJ	10 U
Methyl Tertbutyl Ether		1 U	1 U	1 U	1 U	5 U	10 U
Tetrachloroethene	5	65	1	4.5 J	12 J	730	940
Toluene	5	1 U	1 U	1 U	1 U	2 J	10 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	5 UJ	10 U
Trichloroethene	5	3	1 U	0.97 J	2.1 J	36	54 J
Vinyl chloride	2	2	1 U	1 U	1 U	5 U	10 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	15 U	30 U

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	ATGW-045A	ATGW-046A	ATMW-001	ATMW-001R	ATMW-002	ATMW-003
	Sample Date	5/9/2013	5/8/2013	5/7/2013	5/7/2013	5/6/2013	5/6/2013
	Sample ID	ATGW04512013XX	ATGW04612013XX	ATMW00112013XX	ATMW001R12013XX	ATMW00212013XX	ATMW00312013XX
	Qc Code	FS	FS	FS	FS	FS	FS
Parameter	Criteria	Result Qualifier					
1,1,1-Trichloroethane	5	5 U	0.34 J	1 U	1 U	5 U	1 U
1,1,2-Trichloroethane	1	5 U	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethane	5	5 U	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethene	5	5 U	1 U	1 U	1 U	5 U	1 U
1,2-Dichloroethane	0.6	5 U	1 U	1 U	1 U	5 U	1 U
1,3-Dichlorobenzene	3	5 U	1 U	1 U	1 UJ	5 U	1 U
1,4-Dichlorobenzene	3	5 U	1 U	1 U	1 UJ	5 U	1 U
2-Butanone	50	25 U	5 UJ	5 UJ	5 UJ	25 UJ	5 UJ
Acetone	50	37 J	6 J	5 UJ	5 UJ	25 UJ	5 UJ
Benzene	1	5 U	0.33 Ј	25	8.8	920	1 U
Bromoform	50	5 U	1 UJ	1 UJ	1 UJ	5 UJ	1 UJ
Bromomethane	5	5 U	1 U	1 UJ	1 UJ	5 U	1 U
Carbon disulfide	60	5 U	0.18 J	1 U	0.15 J	5 U	1 U
Chlorodibromomethane	50	5 U	1 U	1 U	1 UJ	5 U	1 U
Chloroethane	5	5 U	1 U	1 U	1 U	5 U	1 U
Chloroform	7	5 U	1 U	1 U	1 U	5 U	0.44 J
Chloromethane	5	5 U	1 U	1 U	1 U	5 U	1 U
Cis-1,2-Dichloroethene	5	47	14 J	1 UJ	1 U	5 UJ	1 UJ
Cyclohexane		5 U	1 UJ	52 J	14 J	85 J	1 UJ
Ethyl benzene	5	5 U	1 U	130	27	370	1 U
Isopropylbenzene	5	5 U	1 U	15	2	19	1 U
Methyl cyclohexane		5 U	1 UJ	18 J	8.9	60 J	1 UJ
Methyl Tertbutyl Ether		5 U	0.88 J	5.3	3	7	1 U
Tetrachloroethene	5	670	27	1 U	1 U	2.9 J	1 U
Toluene	5	5 U	0.38 J	37	9.8	160	1 U
trans-1,2-Dichloroethene	5	5 U	1 UJ	1 UJ	1 U	5 UJ	1 UJ
Trichloroethene	5	61	6.6	1 U	1 U	5 U	0.11 J
Vinyl chloride	2	5 U	1 U	1 U	1 U	5 U	1 U
Xylenes, Total	5	15 U	3 U	140	27	660	3 U

Page 6 of 7

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

Table 1: Analytical Data Summary - Groundwater

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

	Location	ATMW-004	ATMW-005	ATMW-006	ATMW-007	ATMW-008	ATMW-009
	Sample Date	5/7/2013	5/6/2013	5/6/2013	5/6/2013	5/7/2013	5/7/2013
	Sample ID	ATMW00412013XX	ATMW00512013XX	ATMW00612013XX	ATMW00712013XX	ATMW00812013XX	ATMW00912013XX
	Qc Code	FS	FS	FS	FS	FS	FS
Parameter	Criteria	Result Qualifier					
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	47	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	0.15 J	1 U	1.5	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	0.55 J	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	0.43 J	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1.4	1 U	1 U	1 U
2-Butanone	50	5 UJ					
Acetone	50	5 UJ					
Benzene	1	80	1 U	0.11 J	0.11 J	1 U	0.13 J
Bromoform	50	1 UJ	1 U				
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	0.12 J	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	5	1 UJ	1 UJ	1 UJ	0.55 J	12 J	2.4 J
Cyclohexane		170 JH	1 UJ	1 UJ	0.63 J	1 UJ	12 J
Ethyl benzene	5	47	1 U	1 U	1 U	1 U	11
Isopropylbenzene	5	14	1 U	0.1 J	1 U	1 U	2.2
Methyl cyclohexane		100 J	1 UJ	1 UJ	1 UJ	1 UJ	3.3
Methyl Tertbutyl Ether		1 U	0.14 J	1 U	3.9	2	3.5
Tetrachloroethene	5	0.26 J	1 U	1 U	1 U	1.5	2.1
Toluene	5	11	1 U	1 U	1 U	1 U	1.5
trans-1,2-Dichloroethene	5	1 UJ	1 UJ	0.23 J	1 UJ	0.13 J	1 UJ
Trichloroethene	5	0.81 J	1 U	1 U	1 U	33	3
Vinyl chloride	2	1_U	1 U	1 U	1 U	0.58 J	1 U
Xylenes, Total	5	13	3 U	3 U	3 U	3 U	25

Notes:

Samples analyzed for VOCs by SW846 8260

QC Code:

FS = Field Sample; FD = Field Duplicate

Criteria = Part 703: Surface Water and Groundwater

Quality Standards and Groundwater Effluent Limitations

(NYSDEC, 2008).

Only detected compounds shown.

Detections are indicated in **BOLD**

Highlighted results exceed criteria

Qualifiers:

U = Not detected above reporting limit

J = Estimated value

H = Exceeded method hold time

Prepared by:LJB 7/19/2013
4.1 Table 1.xls Page 7 of 7 Checked by: MJS 8/5/2013

Table 2: Monitoring Well and Groundwater Elevation Data

Site	Location ID	Northing	Easting	Casing Elevation	Measuring Point Elevation	Installation Date	Screen Length	Well Depth (ft BMP) (May 2013)	Depth to Water (BMP) (May 2013)	Water Elevation (May 2013)
Associated Textile	ATMW-001	764548.87	759502.73	856.98	856.72	Unknown	Unknown	18.9	14.82	841.90
Associated Textile	ATMW-001R	764555.81	759507.05	856.85	856.41	Unknown	Unknown	19.7	14.38	842.03
Associated Textile	ATMW-002	764589.62	759493.77	857.04	856.41	Unknown	Unknown	18.8	14.30	842.11
Associated Textile	ATMW-003	764566.98	759541.70	856.85	856.54	Unknown	Unknown	19.9	14.61	841.93
Associated Textile	ATMW-004	764598.80	759569.38	856.96	856.58	Unknown	Unknown	17.7	14.69	841.89
Associated Textile	ATMW-005	764600.99	759417.90	856.02	855.59	Unknown	Unknown	19.5	13.62	841.97
Associated Textile	ATMW-006	764525.40	759423.11	856.34	855.84	Unknown	Unknown	19.0	13.88	841.96
Associated Textile	ATMW-007	764667.29	759544.45	856.82	856.26	Unknown	Unknown	19.2	14.32	841.94
Associated Textile	ATMW-008	764596.84	759655.03	856.41	856.10	Unknown	Unknown	19.1	14.20	841.90
Associated Textile	ATMW-009	764482.61	759530.17	856.70	856.45	Unknown	Unknown	19.5	14.61	841.84
Diamond Cleaners	GW-002	764781.61	760041.85	855.91	855.47	6/27/2005	10	19.3	12.91	842.56
Diamond Cleaners	GW-013	764563.66	760228.71	854.46	854.05	6/27/2005	10	NM	NM	NC
Diamond Cleaners	GW-014	764451.76	760160.74	854.20	853.79	6/27/2005	10	14.8	10.63	843.16
Diamond Cleaners	MW-001	764837.05	759991.92	855.59	854.64	10/3/2005	10	23.5	12.10	842.54
Diamond Cleaners	MW-002	764735.59	759865.46	855.02	854.57	10/4/2005	10	24.1	12.22	842.35
Diamond Cleaners	MW-003	764468.08	760027.58	854.19	853.81	10/4/2005	10	24.0	11.45	842.36
Diamond Cleaners	MW-004	764548.73	759920.06	854.18	853.90	10/5/2005	10	21.2	11.58	842.32
Diamond Cleaners	MW-006	764873.30	760175.71	852.71	852.25	7/22/2008	10	19.5	9.44	842.81
Diamond Cleaners	MW-007	764786.09	759925.09	855.08	854.58	7/23/2008	10	22.0	12.10	842.48
Diamond Cleaners	MW-008	764597.74	759983.96	854.50	853.97	7/23/2008	10	22.0	11.49	842.48
Diamond Cleaners	MW-009	764663.53	759674.17	854.28	853.71	7/21/2008	10	20.8	11.80	841.91
Diamond Cleaners	MW-010	764533.08	759834.54	854.69	854.15	7/22/2008	10	21.7	12.35	841.80
Diamond Cleaners	MW-011	764384.59	759471.21	856.39	855.89	7/21/2008	10	22.0	14.41	841.48
Diamond Cleaners	MW-012	764814.90	759919.90	855.16	854.32	8/29/2012	10	21.3	11.97	842.35
Diamond Cleaners	MW-013	764814.00	759915.80	855.04	854.62	8/29/2012	5	28.8	12.29	842.33
Diamond Cleaners	MW-014	764743.70	759961.40	855.23	854.93	8/29/2012	10	21.5	12.50	842.43
Diamond Cleaners	MW-015	764747.80	759959.80	855.27	854.83	8/30/2012	5	28.9	12.40	842.43
Diamond Cleaners	MW-016	764767.70	760022.20	855.61	855.23	8/30/2012	10	22.0	12.69	842.54
Diamond Cleaners	MW-017	764771.20	760020.70	855.78	855.55	8/30/2012	5	29.2	13.07	842.48
Diamond Cleaners	MW-018	764721.90	760001.00	855.00	854.80	9/5/2012	10	22.0	12.34	842.46
Diamond Cleaners	MW-019	764718.10	760002.10	854.98	854.79	9/5/2012	5	29.1	12.15	842.64
Diamond Cleaners	MW-020	764708.90	760050.60	855.02	854.64	9/5/2012	10	22.0	12.15	842.49
Diamond Cleaners	MW-021	764705.50	760051.00	854.99	864.66	9/6/2012	5	29.4	12.16	852.50
Diamond Cleaners	MW-022	764692.00	760102.50	854.69	854.37	9/6/2012	10	22.0	11.83	842.54
Diamond Cleaners	MW-023	764690.00	760100.00	854.69	854.39	9/6/2012	5	29.6	11.95	842.44

Notes:

Horizontal locations are tied to the New York State Plane Coordinate System using NAD of 1983. Vertical elevations were tied to msl, NAVD of 1988.

BMP - Below Measuring Point

NM = Not Measured.

NC = Not Calculated

NYSDEC - Site No. 808030

MACTEC Engineering and Consulting, P.C., P.N. 3612112209

Table 3: Analytical Data Summary - Soil

	Location	ATGW-002A		ATGV	V-002A	ATGV	V-026A	ATGW	V-026A	ATGW-026A		ATGW	V-043A
	Sample Date	5/9/2013		5/9/	2013	5/8/	2013	5/8/2013		5/8/2013		5/8/2	2013
	Sample ID		ATGW002072013XX ATGW00213		2132013XX	ATGW026072013XX		ATGW026	6072013XD	ATGW026	5122013XX	ATGW043	3132013XX
Sar	Sample Depth (ft bgs)		6-7 12-13		6-7		6	-7	11	-12	12-	-13	
	Qc Code	F	FS		FS		FS		FD		S	F	FS .
Parameter	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Acetic acid, methyl ester		0.047	U	0.072		0.052	U	0.053	U	0.052	U	0.045	U
Cis-1,2-Dichloroethene	0.25	0.047	U	0.067	U	0.052	U	0.053	U	0.052	U	0.045	U
Methylene chloride	0.05	0.047	U	0.016	J	0.012	J	0.053	U	0.011	J	0.045	U
Tetrachloroethene	1.3	0.047	U	0.058	J	0.052	U	0.053	U	0.23		0.19	
Toluene	0.7	0.047	U	0.028	J	0.052	U	0.053	U	0.052	U	0.014	J
Trichloroethene	0.47	0.047	U	0.097		0.052	U	0.053	U	0.052	U	0.045	U

Notes:

Results in milligrams per kilogram (mg/Kg)

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260B

ft bgs = feet below ground surface

QC Code:

FS = Field Sample; FD = Field Duplicate

Qualifiers:

U = Not detected above the reporting limit

J = Estimated value

Criteria = Soil Cleanup Objective for Protection of

Groundwater Use Scenarios - 6 NYCRR Part 375-6.8

Detections are indicated in BOLD

Table 3: Analytical Data Summary - Soil

	Location	ATGV	V-043A	ATGV	V-045A	ATG	W-045A	ATGV	V-046A	AT	GW-046A
	Sample Date	5/8/	5/8/2013		2013	5/9	9/2013	5/8/2013		5	5/8/2013
	•		ATGW043152013XX		ATGW045122013XX		ATGW045162013XX		5142013XX	ATGW	046172013XX
Sar	Sample Depth (ft bgs)		14-15		-12	1	5-16	13	5-14		16-17
	Qc Code		FS		FS		FS		FS		FS
Parameter	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Acetic acid, methyl ester		0.051	U	0.043	U	0.05	9 U	0.046	U	0.0	54 U
Cis-1,2-Dichloroethene	0.25	0.017	J	0.043	U	0.05	9 U	0.046	U	0.0	54 U
Methylene chloride	0.05	0.051	U	0.012 J		0.059 U		0.012 J		0.0	13 J
Tetrachloroethene	1.3		'	0.049		0.3	0.31		0.046 U		.15
Toluene	0.7	0.051	U	0.043	U	0.05	9 U	0.046	U	0.0	54 U
Trichloroethene	0.47	0.051	U	0.043	U	0.03	9 J	0.046	U	0.0	54 U

Notes:

Results in milligrams per kilogram (mg/Kg)

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260B

ft bgs = feet below ground surface

QC Code:

FS = Field Sample; FD = Field Duplicate

Qualifiers:

U = Not detected above the reporting limit

J = Estimated value

Criteria = Soil Cleanup Objective for Protection of

Groundwater Use Scenarios - 6 NYCRR Part 375-6.8

Detections are indicated in BOLD

ATTACHMENT 1

FIELD DATA RECORDS

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			LOW	FLOW GRO	UNDWA	'ER SAMPI	ING RECO	ORD	. :	
	PROJECT NAME				Loc	CATION ID	bλ	TE	1 13	
	1510C31CCT NILLIN	ad Clean		· · · · · · · · · · · · · · · · · · ·	STA	MW~	13-	0.217.05	-13	
1	36/1/12 SAMPLE ID	209.02				12:25		135	30	,
	DCMW1	212013	$\chi \chi$	IS:25	Str	E NAME/NÚMBER	PA	GE / OF	}	
	METER (INCHES)		,,,,,		سسا سسم¬	1			1	i Wellintegrity
TUBING ID			<i>_</i>			OTHER			CAP	YES NO N/A
	(inches) IENT Point (SIP)		T 1/4 3/8 FRISER (TOR)	1/2	5/8	OTHER	- /		CASINO LOCKED	Z = =
				TOP OF CASIN		OTHER			COLLAÌ	= = =
INITIALD (BMP) WELL DEI		97 FT	PINAL DTW (BMP) SCREEN	11.99	FT STI	okup (ags)	FLUSH	FT	TOC/TOR DIFFERENCE	
(OMP)		.25 PT	LENGTH	10		DIENTAIR	0.0	РРМ	REPILL TIMI SETTING	SEC
COLUMN		.28 FT	DRAWDOWN VOLUME (initial DTW- final D	O.0037	GAL MO	WELL UTH	0.0	РРМ	DISCHARGE TIMER SETT	
CVFCOFY		52 OAL	TOTAL VOL. PURGED	~3.7	GAL TOT	NYDONN/ FAL PURGED			PRESSURE TO PUMP	PS1
	voll diamoter squared		anL perminute X total	al minutes X 0.00026 g	al/mL)					[21]
TIME 3-5 Minutes	D1W (F1) 0,0-0,33 ft Drawdown	PURGERATE (mL/min)	TEMP, (°C) (14-3 degrees)	SP. CONDUCTANCI (m8/cm) (+/-3%)	pii (units) (+/-0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu		INTAKE	COMMENTS
12 35	BEGIN PURC	ING CO		Wh.,		(, , , , , , , , , , , , , , , , , , ,		, 1 (DBMTH (6)	
13:40	11.99	210	12.19	0.989	3.23	2.56	52.8	90,1	3'01	+ bottom
12:45	11.99	210	12.20	0.989	3.18	1.79	39.1	87.9	3 0/7	bollom
12:55	11.99	200	12.13	1.002	7.16	1.26	43.2	79.6		
13:00	11.69	200	12.11	1.007	7.16	1.36	20.6	77.9		
13:10	11.99	200	12,17	1.088	7.16	1.14	19.3	74.2		
13143	1149	200	12.10	1.012	7.15	1.15	16.5	76.0		for an arrive
13:18	11.49	200	12.07	1.016	7.16	1.11	13.5	73.5		13:13 Time
13:21	11.44	2.30	11.95	1.021	7.16	1.04				
13:34	11.49	1-30	11.97	1.020	716	1,02	11.3	71.3		•
13:25		070	11179	1.000	716	7,00	11.5	70.9		
12.63	Sample				<u> </u>			<u> </u>	ļ <u>.</u>	
	Tel	MAY COLUMN		E FERMINIO A				<u></u>	TEMPErsoner de	rered fex. (d.f. at lit)
ļ		OUDSTABILIT	ZED FIELD PARA		propriate signi	llicant ligures(Si		-11	COND.; 3 SP max	(ex. 1313 = 1330, 0.096 = 0.696). ex. 1313 = 1330, 0.096 = 0.696).
ECOUPAIRE	DOCUMENTATIO	N.	12.	1.02	17.2	1.0	11.3	71	TURB: 3 SF max, ORP: 2 SP (43.1 -	(ex. 3.13 = 3.130, 0.06 × 0.06); (ex. 3.31 = 3.45) netriest tends (6.19 = 6.1, 101 × 101) -44, 194 = 190)
	CYPE OF PUMP,		ECON PLUIDS USED	/	TUBING-PL	IMPBLADDER MAT	GRIALS	•	,	EQUIPMENT USED
	RSIDLE	0 سيس	IQUINOX BIONIZED WATER	SILICON T	UDING UDING	S, STEE	IL PUMP MATERIAI IMP MATERIAL	L .	WL MET	TER
BLADD	RA A -	и	OTABLE WATER ITRIC ACID			TEFLO	OUB SCREEN N BLADDER		TURB, N	TER .
OTHER	CHURUNA	չ	EXANE .	LDPETUR	INO	OTHER OTHER			PUMP OTHER	
	AL PARAMETERS	<u> </u>	THER	OTHER_		OTHER			FILTER:	S NO, V TYPE
	PARAME VOC'5	TER	Method Number 73-6 0	FIELD FILTERED B) "MBI	TIOD RE	olume (Quired (c K40h	SAMPLE DLLECTED	COLLECTED	SAMPLE BOTTLE ID NUMBERS
					1100	7 27	<u> </u>			
1 H			-	<u> </u>						-
	/	\ \								
PURGE OBS	ERVATIONS THE YES		NUMBER OF GALL	aus ~2.7		ETCHOTES !	Mar WAY	12	1	N
CONTAINER NO. PLIRGE A	JZED		<u>ĠĒNĒſŖĄŢĠ</u> Đ		w	W-KI	WALLEY Y	1.00	(465B)	Λ
UTILIZED	APTHON YES		to sombjing or	arly to this sample he	ration,	15	(e)	MY NO	and the same of th	+
_	21.0	The La		77 B.	1 1	M-NS / SS		1		•
Sumpler Sign		77	Print Name:	/liques @ (my ley	I.	$I_{x,x}$			•
Checked By:	12-	92	Dale: 5/	22/13			13/	• .		
MIN	NAC	7 تارياسې	~		-			I,OW E	OW CROSS	FIGURE 4,1 NDWATER SAMPLING RECORD
511 Congres	SS Street, Portland	Mame 04 101	<u> </u>	٠	•					TY ASSURANCE PROJECT PLAN

erge are			LOW	FLOW GRO	UNDWAT	TED CAMPI	INC DECO	71717		
	PROJECT NAME					CATION ID		421		
	DIAME	nd Clean			ļ	MW-		5-8-	13	
	36(2)(2	3309,02				URTTINE 3:50	2	1.4:	40_	
	DCMWI DCMWI	3120131	X . SA61	14:30	SITE	E NAME/NUMBER	PAC	GE OF	1	
Weff divvi	ieter (inches)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 14]8	OTHER.	<u> </u>		<u></u>	WELL INTEGRITY
TUBING 10 (•		1/4 3/8]\$48 🖂	OTHER			CAP CASING	YES NO N/A
MEASUREM	(ዓነፈ) ተለነዐባ ገ'ጸՅነ	TO! OF	FRISER (TOR)	TOP OF CASING	- =	отнек			LOCKED	= =
INITIAL D'	TW []2	.29 FT	FINAL DTW (ONIT)	(2.31		DT. CASING CKUP (AGS)	Fust	П	TOC/TOR DIFFERENCE	-0.4 pt
WELL DEP (Baip)	TH 28	7.8 FT	SCREEN LENGTH	5	PID FT AMI	DIENT AIR	0.0	PPM	Refill Time	
WATER COLUMN	16	.51 _{FT}	DRAWDOWN VOLUME		CAL MOI	WELL	0.0	РРМ	DISCHARGE TIMER SETTI	
OVITAOP CVFCOFY.	d.,		TOTAL VOL, PURGED	TW X well digin, squared	DRA GAL TOT	Awdowny Tal purged	0.0015		PRESSURE TO PUMP	PSI
	vell diameter squared VAIETERS WITH E			of minutes X 0,00026 gal	l/mL)	· · · · · · · · · · · · · · · · · · ·				
TIME 3-5 Minutes	0,0-0,33 R Drawdown	PURGERATE (inL/mln)	TEMP. (°C) - (+/- 3 degrees)	SP. CONDUCIANCE (mS/cm)	pil (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntn) (+/- 10% <10 ntu)		INIAKE	COMMENTS
13:57	BEGIN PURC		السيسيسسال	(4/.3%)	1,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, Vi 24119	Can para stantal	fate in mit,	(A) HT920	
14:02	12.30	210	12.17	1.223	7.06	2.50	70.6	71.2	3 40	From Bottom
14:08	12.31	2.10	12.67	1.230	7.05	1.13	29.1	64.7		
14113	12.31	230	12.47	1.23(7.04	0.87	14.5	53.3	سون	& RATE
14:18	12.31	230	12.52	1.331.	7.04	0.75	11.4	43.6		
14133	12.31	210	13.51	1,233	7.03	0.58	8.43	39.9		•
14:36	以31	210	13.62	1.232	7.02	0.56	8.21	38.9		
14529	12.31	210	12.56	1.232	7.03	0.53	4-67	38.9		
17.7	Sample	<u>e</u> '	<u> </u>			7		· · · · · · · · · · · · · · · · · · ·		
<u> </u>			 							
·					 				 	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.
	FII	NALSTABILIZ	SED FIELD PARA	METERS (to appr	opriate signi	lacent figuresist	! (i)	<u>!</u>	TEMP a dearest des COND.; 3 SF max	pro (cs. 10.1 = 10) (cs. 1333 = 3330, 0.696 = 0.695)
		• .	13	1.23	7.0	0.5	6.7	39	DO: nearest tenth (e TURD: 3 SP max. s	ox, 3,51 = 5,5) cx, 3,51 = 3,5) cx, 3,51 = 3,5)
	DOCUMENTATIO TYPE OF PUMP		ECON FLUIDS USED						40HP; 2 SP [44.1 =	44, 191 = 1901
PBRIST/ SUBME	ALTIC RSIBLE	L DE	QUINOX EIONIZED WATER	SILICON TU TEFLON TU	DAIO		erials L Pump Material Imp Material	·	WI, MET	EOUIPMENT USED FOR
Dr. ADDI		PO	DTABLE WATER ITRIC ACID	TEFLON LIN	NED TUBINO NO	OEOPRO TUFLON	ode scrien N Bladder		WQ MET TURB, M	
WATTE OTHER OTHER	acopury	Ш мі	EXANG IRTHANOL THER	LOPETUBIN OTHER	.kg ·	OTHER			PUMP	
-	LPARAMETERS		· · · · · · · · · · · · · · · · · · ·		**************************************	OTHER	, , , , , , , , , , , , , , , , , , ,		PILTERS	
	VX'S	TER	METHOD NUMBER 8360 B	FIELD	Act .	PHOD RR	COURSD D COL	AMPLE LLECTED	COLLECIED OC	SAMPLE BOTTLE ID NUMBERS
H •	-				· ——					
一									******	
ŀ Н .	\longrightarrow	<u> </u>								
· 🗀 ·			<u> </u>							- ———
PURGE OBSI		NO.	NUMBER OF GALLS	ONS ~/9	. sk	KETCH/NOTES V	7		<u>√</u> 1	N
CONTAINERI Nouveren	ized		QBLVaradd	ately i examiling solutions pric		. 4	TEL TO T	W. VEB	ر بر	Å
UTILIZED	10		to someting or	int for this sample been	tiun.	MM-13		CO.	w ·	+
Sompler Signal		Jaky.	Print Name:	hanss D. Long	deu	hun.	/isi/			·
Checked By:	2,0	90L	> Dale: 5/	22.//3	100		, //	L	•	•
1111 N	N' A	7 LL LLA.	Exally,				<u> </u>	7		FIGURE 4.17
511 Congres	s Street, Portland	LEC	Ú.		÷			LOW FL NYSD	.OW GROUP DEC QUALIT	ndwater sampling record Ly assurance project plan

						ER SAMPI	TING RUIC)KD		
	PROJECT NAME DIAMBY	nd cleph	ER K		LOC	MW-14	DY,	TE 5-	8-13	
	DRO GCT MILLIE	12209.00			STÁ	RT TIME		241215		
	SAMPLE ID		SAA	IPLE TIME	srr	14154 NAMERIUMBER			0170	
	Dem	W141201	3XX	16:15	[(OF		
WELL DIAM	heter (inches)		ſi □4	<u> </u>	<u> </u>	OTHER	* t #4			WELL INTEGRITY YES NO NA
TUBING ID (INCHES) INS VIA JAS III IS SAS COTHER CASING V								* ,		
NIEASUREM	ient point (air)	TOP OF	RISER (TOR)	TOP OF CASI	NO (TOC)	OTHER			locked Collar	$\dot{\mathbf{z}} = \mathbf{z}$
initial d' (BMP)	TW []	. 50 FT	PINAL DTW (BMP)	12.5	2 FT PRO	T. CASING CKUP (AGS)	FLUSH	rr ,	TOC/TOR DIFFERENCE	-0.3 FT
WELL DET (DATP)	21	5 _{FT}	Screen (12'-12	10	FT AMI	DIENTAIR	0,0	РРМ	REFILL TÍMI SETTINO	SRC SHC
WATER COLUMN 9 FT VOLUME 0.003 AL MOUTH 0.00 PPM TIMER SETTING SEC										
CYPANT CYPCRTY.	7.4	18 GAL	TOTAL VOL. FURGED	NYN	OAL TOT	WDOWN/ AL PURGED	0.0007	8	Pressure To pump	PS1
	vell diameter squared		mL por minuto X tota ILIZATION CRITER			-, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1
TIME 3-5 Minutes	D(W(F1) 0.0-0.33 ft Drawdown	PURGERATE (mL/mln)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTAN (mS/cm) (+/- 3%)	Pil (units)	DISS, O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)		PUMP INTAKE DEPTH IN	COMMENTS
15:04	BEGIN PURC	ING C	230 mL/	min.				ad:		,
15:09	12:51	230	14:32	1.474	7.12	3.00	104	85.9	3'016	of bottom
15:18	12.51	250	1482	1.446	7.07	1.26	89.8	78.6		15:18 TIME
15125	13.51	250	14.06	1.444	7.06	1.12	59.5	76.8		All
15:35	12.51	250	13.98	1.500	7.07	0.76	46.7	70.9		***************************************
15145	12.52	250	13.96	1.509	7.06	0.64	39.9	67.0	<i></i>	
15:55	12.50	250	14.01	1.500	7.06	0.55	20.7	66.1		· · · · · · · · · · · · · · · · · · ·
16:05	12.52	240	14.13	1.504	F1.05	0.49	17.7	63.8		
16:08	12,52	240	13.99	1.511	7.05	0.48	12.5	65.5		
16:11	12.52	240	13.93	1.514	7.05	0.45	14.0	64.0		
16115	Somple									1
-6		, <u></u>								
	PII	VAL STABILIZ	SED FIELD PARA	METERS (to ap	propriate signi	Neant figures[SI	F])		COND.: 1 SP max	gree(ex, 10.1 ~ 10) (ox. 3333 ~ 3330, 0.696 = 0.696)
			14	1.51	7.1	0.5	14.0	64	plit neasest tends (DOs neocest lends (TURB: 3 SF max,	(x, 1,51 – 3.5) nexast senti (6.19 = 6.2, 101 = 101) 44,191 = 190)
I '	DOCUMENTATIO		ECON FLUIDS USED			i na	· · · · · · · · · · · · · · · · · · ·	1 7.1		
PERIST.		اسلم محمد	QUINOX SIONIZED WATER	SILICON	DAIRUTT DAIRUTT DAIRUTT		<u>erials</u> IL Pump Material IMP Material		WL MET	EQUIPMENT USED
BLADD	ER	PC	TABLE WATER TRIC ACID		DAIGUT GBALT	GEOPR	ODE SCREEN N BLADDER		VO MET	TER
WATTE	_ 0,00 m	е 🗀 м	exane Ethanol	LDPETU OTHER		OTHER			PUMP	
ANALYTICA	AL PARAMETERS	(o.	THER	OTHER		OTHER			FILTER	S NO. TYPB
	PARAME	TER	METHOD	FIELD FILTER		VATION VI	OLUME S QUIRED CO	AMPLE LLECTED	COLFECTED	SAMPLE BOTTLE ID NUMBERS
	VOC-5		¥360 E	<u> </u>	_ <u> tcl</u> ,	4ºC 3x	yord	<u>Y</u>		The second secon
H	<i>\</i>				<u> </u>					
							******		·	
 										
PURCE OBS					.3 816	ETCHNOTES				
CONTAINER			GENERATED	ans 14.		\ <u>c</u>	ž / .			
UTILIZED	итнао уку		Myw, purged approximate to sampling or	nd- for this same I dens Diguns kilis for July	ocation.	N /	X \ T	NUT. NE	K J	
<u> </u>	NI	11		<u> </u>		Λ)	REAL TO		and the second	
Sampler Signa	me the I	dayly	Print Name:	homes D.	Longlay	+	12 /	Φ.		
Checked By:	12,0	60-) Date: 5,	122/1.	300		12,1	D MIN	ज ाप	
2111 N	AAC		$\overline{}$			****		1000-	OW are:	FIGURE 4.1
	VI/I	TE	لمب					NYSE	EC QUALIT	ndwater sampling recori Ty assurance project plat
or congres	ss Street, Poitland	04101								

			LOW	FLOW GRO	UNDWAT	'ER SAMPI	ING RECO	DRD		State of the state
	PROJECT NAME	and Cles	wers		roc	ATION ID) bA	TE 5-8-	/2	
	PROJECT NUMB	ER .113209.0		· · · · · · · · · · · · · · · · · · ·	sta	MW-14	DO EN	16:23		
	SAMPLE ID	512013%		7-115	SUTE	NAME/NUMBER	PA	GE / OF		
WELL DIAN	METER (INCHES)		(, ,	 	ATUEN			1	Well integrity
TUBING ID			11/4 [] 3/8] \$] 5/8	OTHER	u		CAP	YES NO NA
j	JENT POINT (AIP)		rkiser (TOR)	TOP OF CASING		OTHER	444-444		CASING LOCKED COLLAR	
INITIALD (JMP)	/TW /2	.40 FT	FINAL DTW (BMP)	12,61	PRO	T. CASING CKUP (AGS)	FLUSH	FT	TOC/TOR DIFFERENCE	-0:45 FT
(MELL DE	PTII 28	, 4 pr	SCREEN (24-	n) 5	PID	BIENTAIR	0.0	PPM	REFILL TIME SETTING	
WATER COLUMN	14	5 FT	DRANYDONN VOLUME	0.034	GAL MODE	WELL STH	0.0	PPM	DISCHARGE TIMER SETT	7404
CALCULA	TED J.	7 OAL	(Initial DTW- Inal D' TOTAL VOL. PURGED	TW X well diam, square	DRA	NYDOWN/ AL PURCED			PRESSURE	
L	well diameter squared	1 X 0.041)	(mL per minute X tota	al minutes X 0.00026 ga	VmL)				TO PUMP	PS1
TIME 3-5 Minutes	0.0-0.33 R	PURGE RATE	TEMP, (°C) . (+/- 3 degrees)	IA (AS LISTED IN TI SP. CONDUCTANCE (mS/cm)	PH (units) (+/- 0.1 units)	DISS, O ₂ (mg/L) (+/- 10%)	TURBIDITY (nlu (+/- 10% <10 ntu)	REDOX (mv)	INTAKIS	COMMENTS
16:29	BEGIN PURC		2	H. (47-3%)	(vi-vit tima)	(*/* 107/)	(*** 1073 < 10 m(t)	(+/- 10 my)	(A) HTGRCI	
16:36	15.62	300	14.36	1.216	7.31	5.00	487	601	3'41	of bottom
16:40	12.61	300	14.40	11217	4.39	1.32	299	1.0		7
16:50	12.61	300	14.45	1.224	7.27	0.66	99.8	57.7		, <u>, , , , , , , , , , , , , , , , , , </u>
17:00	12.61	300	14.43.	1.224	1.27	0.51	24.8	-73.2		
17:05	12.61	300	14,49	1.024	7.26	0.45	17.2	-33.4		
17:08	12.61	300	14.42	1.223	7.56	0.44	16.8	-79.3	<i>31</i>	
17:11	13.61	300	14.40	1.224	7.26	0.42	12.0	-78.3		/
17-115	sample					10 V mare		•		
			,							
<u> </u>					<u> </u>			1		
	FII	NAL STABILIZ	· · · · · · · · · · · · · · · · · · ·	METERS (to appi		ficant figures(S)	F))		COND.: 1 SF max pH meanest tenth (a DO: meanest tenth (groc (ax. (0,1 = 10) (ax. 1313 = 1330, 0,696 = 0,696) ex. 5.53 = 5.5)
EQUIPMENT	DOCUMENTATIO	N	14.	1.22	7.3	0.4	12.0	-78	00:100104 (011) (TURU:3 SF (14.) + ORT: 2 SF (4.) +	ex. J.5(= 3,5) nemvsi textli (6.19 × 6.2, 101 = 101) .43, 391 = 199)
1	TYPE OF FUMP.		ÉCON FLUIDS USED	— <i>*</i>	TUB(NO PU	MP BLADDER MAT	HRIALS	*		EQUIPMENT (ISED
	ERSIBLE	DI 🔽 DI	QUINOX HONIZED WATER HABLE WATER	SILICON TU TEFLON TU	BING	PYCPU	L PUMP MATERIAL MP MATERIAL		WEMBT	IBR
			TRIC ACID	HOPE TUBI		TEFLO	ode screen Heladder	•	WQ MET TURB, N	
OTHER OTHER	Geopung		ETRANOL FROR	OTHER OTHER		OTHER OTHER OTHER			PUMP OTHER FILTERS	NO. TYPE
ANALYTICA	ALPARANIETERS		WETHOD.	PIELD	PRESER		OLUMB C	11.4m) C		
	YOC.5		METHOD.	FILTERED	MIST	HOD RE	olume s Quired co Y 401~	CLECTED SYMPLE	COLLECIAD	SAMPLE BOTTLE ID NUMBERS
ΙН	7-				-			!		
ľ H										. —
		711					····		*****	
IН										
PURGE OBS	ERVATIONS	4			I SK	ETCH/NOTES \			, , , ,	
CONTVINES		NO.	NUMBER OF GALLS	me ~3.6	"	1	. \ 1	Mr. Net	winday l	1
NO-PURGEN UTILIZED	 _	NO N		rely 1 smulting volume pri _mt for this sample loca	intr Hon	Baziel		Ne	The same of the sa	Ž.
	W	1 1				•		E MW	-15	À
Sampler Signa	المكالم	U 1/2	Print Name: 7	home of her	gley		11	Ø		+
Checked By;	Zo-) Dpto: 5	122	' (Cherry	yourge 21	refer		•
4/1/ N	MAG	\ نــــــــــــــــــــــــــــــــــــ				()	<i>y</i>	row-	OIN OP OF	FIGURE 4.17
511 Congre	SS Street, Portland	J. J	ب ا					NASO	EC QUALIT	NDWATER SAMPLING RECORD IY ASSURANCE PROJECT PLAN

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			LOW	FLOW GRO	UNDWAI	ER SAMPI	ING RECO	RD		
	Dram		ELNE 13	t	roc	DI NOITA) // a DAT	5/4/		
	PROJECT SUAIN	12 09.0			STA	RTTIME 725	END END	TIME	, _ 	
	SAMPLE ID	. / /=	SAM	IPLE TIME	SITE	NAME/NUMBER	PAG	<u>&3</u>	1,3	
	DC MW	116120	<u> </u>	838	L			OF		
WELL DIAM	HETER (INCHES)		J; □+	6	8 🗔	OTHER				WELL INTEGRITY VES NO N/A
TUBING ID ((INCHES)	<i></i>	1/4 3/8	1/2	5/8	OTHER		-	CAP CASING LOCKED	\$ = =
	IENT POINT (MP)	TOP OF	FRISER (TOR)	TOP OF CASINO) (TOC)	OTHER	•		COLLAR	* = =
INITIAL D' (BMP)	15 IS	, 6 9 FT	FÍNAL DTW (BMP)	12.76		ot. Casing Ckup (ags)	Flush		TOC/TOR DIFFERENCE	FT
WELL DEF (BAIP)	РТН 27	2,Ø FT	SCREEN LENGTH	10	FT ASI	BIENT AIR			REFILL TIME SETTING	ER SEC
WATER COLUMN	9	.} FT	DRAWDOWN VOLUME (initial DTW- final DT	TW X well diam, square	GAL MOI	WELL UTH			DISCHARGE TIMER SETTI	ING SEC
CAL/VOL	1.6	5 GAE	TOTAL VOL. PURGED	~3.1	DRA	NYDONYN/ FAL PURGED	p.0035		PRESSURE TO PUMP	PSI
	well diameter squared	d X 0.04l}		al minutes X 0.00026 ga	al/mL)					
TIME	0.0-0,33 ft	PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₃ (mg/L)	TURBIDITY (ntu)		PUMP INTAKE	COMMENTS
3-5 Minutes	BEGIN PURC	. (mL/min)	(+/- 3 degrees)	(+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% <10 ntu)	(+/+ 10 mv)	DEPTH (A)	COMMEN 19
802	17 .7/		1700	m 987	7 10	7 117	11-00	a. c.	,,	
0	10176	300	1647	0,786	7.10	4,4 +	6397	98.8	170	
807	1276	3 <i>00</i> 300	12,65	0.973	7.02	6.28	58,36	97.3	17.0	
812	11.44		17,48	0,996	10.11	10.21	43.02	92.0	17.0	
077	17. 16	300	12.44	1,005	6.97	5.70	28.6	83.8	130	
207	1276	300	16,44	1.012	6.71	5,40	18.41	82.4	17.0	
877	17.70	300	12.43	1.014	6,75	3.65	16.76	79,2	17,0	7,504
825	I Lite	300	0113	1,017	6.97	5,20	1054	177	17.0	
037	11.76	300	149	1:017	0.18	3.18	7,75	74.3	17.0	
836	17.76	300	12.43	1,018	6.98	5.11	8,87	76,9	17.0	,
	Collect	Sample	@ 83	8 821	(b) (b)					
									TEMP,: nearest de	grop (dx. 18,1 = (0)
	l'1	NAPALARITI	ZED FIELD PARA	1	ropriate signi	ficant figures[S]			COND.; 3 SF max (pH: nearest tend) (e DO: nearest tenth (e	(ex. 33)3 × 33)0, 0.696 × 0.696)
COURMENT	DOCUMENTATIO	75)	12	1.02	120	51	8.9	77	TURB: 3 SF max, r ORP: 2 SF (44.1 =	nearest tends (6.19 a 6.7 16) × 1615
	TYPE OF PUMP	<u>D</u>	DECON FLUIDS USED	/	TUBING PO	IMP BLADDER MAT		•		EQUIPMENT USED
PERIST. SUBME	ERSIBLE	ه [ير]	JQUINOX DEIONIZED WATER OTABLE WATER	SILICON TO	UBING	PVCPU	el punip material Unip material		WL MET	
WATTE		ы	OTABLE WATER JITRIC ACID JEXANE	HOPE TUB		TEFLO	OBE SCREEN IN BLADDER		WQ MBT TURB, M	SETER
OTHER OTHER	·	M	METHANOL OTHER	OTHER OTHER	ING .	OTHER OTHER OTHER	`		OTHER	
L'	ALPARAMETERS	}			225020				FILTERS	
	VOC	ETER .	NETHOD NUMBER C260	FILTERED	PRESER MEI if (OLUME SA EQUIRED COL VION L	AMPLE	COLLECTED	SAMPLE BOTTLE ID NUMBERS
		172.757.44	· ·							\
`	$\overline{}$								P	
PURGE OBS	SERVATIONS			ONS 3.1	ŞF	KETCH/NOTES	11/			T. NEBOLOUGE N
CONTAINER	RIZED		DEMERATED	-	\.	8 T	1//	(B)	MW-16	Λ
NO-PURGEN UTILIZED	MITHOD YE		to sampling or	utely I standing solution pe mL for this sample loc-	ation.	Ž. \	3-			
Sampler Signs	nature: 73-5	90	Print Name: L	Jan J311	en '	Carling Control				T
Checked By:	771		Date; 5	21-13		18				
#1	MAC	TE	\mathbf{C}			-				FIGURE 4.1 NDWATER SAMPLING RECORI
311 Congre	ss Street, Portlan	o Ataine U4 101						KYŞL	EC QUALIT	TY ASSURANCE PROJECT PLAN

			LOW	FLOW GRO	UNDWA'	FER SAMPI	LING REC	ORD		
	PROJECT NAME	rond Cla			LÖÖ	MW-1	7_ DA	TE 5-9	-12]
	PROJECT NUMB	ER			STA	RTTIME		D TIME	- ()	
	ISAMBLE ID	12209.0	EAM	PLE TIME	SIT	0 + 15 Ename/number	R PA	<u> 08</u>	20	
	DCM	WIFIAN		820				or	<i>L</i>	
WELLDIAN	METER (INCHES)		12	<u> </u>	18	OTHER				WELLINTEGRITY YES NO N/A
TUBING ID	TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER CASING								= -	
MEASUREN	MENT POINT (MP)	/		TOP OF CASIN	G (TOC)	OTHER			LOCKED COLLAR	
INITIAL D (DMP))TW [13.	07 FT	FINAL DTW (BMP)	13.16		OT, CASING CKUP (AGS)	FLUSH	FT	TOC/FOR	E -027 FT
WELL DE (OMP)) <u>29.</u>	2- FT	SCREEN (342	21) 5	PID FT AMI	BIENT AIR	0.0	PPM	REFILL TIME SETTING	
WATER COLUMN	16.	13 FT	DRAWDOWN VOLUME	0.015	OAL MO	WELL UTH	0.0	РРМ	DISCHARGE TIMER SETT	
GALCULA GAL/YOL		H GAL	TOTAL YOL. PURGED	I minutes X 0,00026 g	GAL TOT	NWDOWN/ FAL PURGED	0.00	64	PRESSURE TO PUMP	PSI
FIELD PAR	AMETERS WITH	ROGRAM STAB	ILIZATION CRITER	IA (AS LISTED IN T	HE QAPP)					
TIME 3-5 Minutes	0.0-0.33 R Omvdown	PURGE RATE . (ml/min)	TEMP, (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	PH (units) (+/- 0,1 units)	DISS, O ₂ (mg/L) (+/- 10%)	TURBIDITY (ato (+/- 10% <10 ato		PUMP INTAKE DEPTH (fi)	COMMENTS
0737	BEGIN PURC		50 ml	min	1 .		· · · · · · · · · · · · · · · · · · ·			-
0744	/3.15	250	13.45	1.161	7.05	2.66	41.4	221.9	3 up	of Bottom
0750	13.16	250	/3.53	1.189	7.03	0.90	23.1	205.0		
0800	13.16	250	13.46	1,207	7.01	6.57	9.68	149.8		
0805	/3./6	250	13.44	1.210	7.01	0.45	7.31	171.3	-	
0810	13.16	300	13.42	1.212	7.01	0.51	6.69	16416		
0813	13.66	340	13.42	1.214	7.02	0.49	5.01	160.8		·
0816	13.16	300	13.12	<i> .</i> ₹15	7.01	0.50	8.71	158.5		
0830	SAmp (<u>e</u> .								
\vdash										
<u> </u>	\			•				-		
					1		İ		LEMPA nearest de	egree (ex. 19.1 × 10)
	· Fli	NAL STABILIZ	ED FIELD PARA		· · · · · · · · · · · · · · · · · · ·	ficant figures S			COND.: 3 SF max plt: avanest tends (100: ne rest tends (L(cs. 333) a 3330. O 696 a 0 6961
FOURDMENT	DOCUMENTATIO	NV.	13.	1.72	7.0	0.5	8.7	160	TURB: 3 SE (14.1 -	.0earest cush (6.19 = 6.2, 101 = 10)) -44, 194 - 190)
	TYPEOFPUMP		ECON FLUIDS USED		TUBING FU	IMP BLADDER MAT			_/	EOUIPMENT LISED
	TALTIC ERSIBLE	DI	QUINOX EIONIZED WATER	SILICON T TEFLON T	טאומט	PVC PL	il pump materiai Imp material	L.	AYL MET	
I —			DTABLE WATER TRIC ACID EXANE	HDPE TUB		TEFLO	ODE SCREEN N BLADDER		WQ ME TURB, N	
OTHER	R Gropung	<u>_ </u>	ETHANOL THER	U LDPE TUB OTHER OTHER		OTHER OTHER			PUMP	
	AL PARAMETERS								FILTER:	
	PARAME VOCs	TER	METHOD NUMBER 8360B	FIELD FILTERED	HCL HCL			SAMPLE DLLECTED	COPTECTED GC	SAMPLE BOTTLE ID NUMBERS
										
										
PURGE OBS	SERVATIONS		·		TON SK	ETCH/NOTES				
CONTAINED		ř	NUMBER OF GALLE		" اسلاآت	1. 1. 2				Ŋ
พูด-ยมหกศ : Ujjilized	METHOD YES		to sampling or	ull for this sample for	CAL.	Bengham		المبسسة		\uparrow
	H	111	1			41.	/ MX.	person of	JANW - 1	* *
Sampler Sign Checked By:	Poly (July y	Print Name: /- Date: 5/-	Diennes D. L 22/13	777	1 /	\	4	6) 6)	
1111 A	AT A		~			- /- ,				FIGURE 4.17
STI Congre	VIAC	LLE(<u> </u>							NDWATER SAMPLING RECORD FY ASSURANCE PROJECT PLAN

			LOW	FLOW GRO	UNDWAT	TER SAMPI	ING RECO)RD		
	PROJECT NAME	in 0/0			100	ATION ID	V-18 DA	TE C 0	-12]
	PROJECT NUMB	ER.			STA	127 TIME	PAI	J 7 7	1.7	
	DAMES IN	2209-0		PLE TIME		DF3	0	09:	45	·
'	DCMW	1812013	XX Z	940	311	- CHARLESTONIAN CO	PAG		1 .	
METT DIVI	METER (INCHES)		12 🖂	[] ₆ [18	OTHER		,		WELL INTEGRITY
TUBING ID	(INCHES)		114 3/8] 5/8	OTHER			CAP CASINO	YES NO N/A
MEASUREA	MENT POINT (MP)	TOPO	FRISER (TOR)	TOP OF CASING		OTHER	, , , , <u></u>	············	LOCKED	
INITIAL D (BMP)	72 VITO	.34	FINAL DTW (BMP)	12.46	PRO STIC	OT. CASING CKUP (AGS)	Kush	ET	TOC/TOR DIFFERENCE	-0 Te
WELL DE (BMP)	PTH J), D _{FI}	SCREEN (12-2)	_	PID		0.0	PPM	REFILL TIME SETTING	
WATER COLUMN	9	.66 FT	DRAWDOWN VOLUME	NO.020	GAL MO	WELL	0.0	PPM	DISCHARGE TIMER SETT	
CALCULA	TED /	58 01	ፐርፐለፒ የርር	W X well diam, square	DRA	WDQWN/	0.000		PRESSURE	300
(column X v	well diameter square	1 X 0,04()		I minutes X 0,00026 ga	VmL)	'AL PURGED	10.00-1		TO PUMP	PSI
TIME 3-5 Minutes	DIW(F1) 0.0-0.33 ft	PURGERATE	TEMP. (°C)	SP. CONULCIANCE (mS/cm)	pH (units)		TURBIDITY (min)	REDOX (inv)	PUMP	COLLA CITA
0836	BEGIN PURC	. (orLinta)	(+/- 3 degrees)	(+/-3%)	(+/- 0.1 sml(s)	(+/- 10%)	(+/-10% <10 ntu)	(+/- 10 mv)	DEPTH (ft)	COMMENTS
0845	12.45	300	12.57	nin 0,839	1-7 /-	· /- /-	1.0	11 400 100	F 36 .	T 40
0855	12.45	300	13.46	0.870	7.10	5.00	117	142.2	3 9/1	of bottom
0905	12.46	300	12.46	0.906	7.06	3.87 3.13	64.4	138,2		
0915	12.46	300	12.50	0.941	7.03	2.15	50.5 34.5	1.33.8	,	
0925	12.46	300	12.51	0.946	7.07	1.34	31.4	124.8		
8928	12.46	300	12.55	0.949	7.07	1.21	23.8	123.8		
0435	12.46	300	12.52	0.957	7.03	1.00	17.2	119.6		09:35 TIME .
0938	12.46	300	12.53	0.960	7.01	0.95	30.0	120.2	 	UNUS TIME .
0440	Taryle					****	2000	700.0	·	
						*****		<u> </u>	 	
								 	 	
	ri)	NAL STABILIZ	ZED FIELD PARA	METERS (to appr	opriate signi	ficant figures[SI	F))	<u> </u>	TEALPA nearen de COND.: 1 SF max	greater, [0,1 - 10] (ex. 333) = 3330, 0.696 = 0.696)
	**************************************		13	0,960	7.1		20.0	120	Districtored tends (i	es. 3.53 = 3.5) (et. 3.51 = 3.5) Nearcal leath (6.19 = 6.2, 10.1 = (0.1)
	DOCUMENTATIO			01100	T-1	/.0	30,0	100	ORFITSF(41)	44, [9] = 190)
PERIST	TYPE OF PUNIP FALTIC BRSIDLE	1/1/1/	ECON FLUIDS USED IQUINOX	SILICONTL	IBINO		L PUMP MATERIAL		TEM JW	EQUIPMENT USED TER
BLADE		\$0	EIONIZED WATER DYABLE WATER ITRIC ACID		ONIBUT QB	OEOPR	MP MATRRIAL Odb Screen		MOVIE	
WATTE	Georny	🔲 🛚	EXANE ETHANOL	HDPE TUNI LDPE TUNI OTHER		OTRER			TURD. N	ABTER
OTHER	AL PARAMETERS		THER	OTHER		OTHER OTHER			OTHER EILTERS	S NO. TYPE
	PARAME VECS	TER .	Method Number 8360 (2	FIELD FILTERED	MEC	HOD RE	QUIRED CO	AMPLE LLECTED	COLFECIED OC	SAMPLE BOTTLE ID NUMBERS
	7		04401.		. <u>. /) ((</u>	7 5 3.	x yound	yes		<u> </u>
			·							
										
BURGE ONE	ERVATIONS								Withinson	
PLIRON WAT	THR WAS	NO.	NUMBER OF GALL	ONG NE 6	te. sk	ETCH/NOTES	<u>^</u>			
CONTAINER NO-PURGEN	DEED	<u>NO</u>	GENERATED	taly Lansading volume pai		Begilain	ፕ	M-18)	T 6	amorpids.
LITILIZED	10		to sampling or	ut, for this sample foca	tlon.	50	ίı	UN D	۲۱ مسی	D.C. Blds.
Sampler Slem	ature Ha	1 24	Print Name: 1	Romas D. Long	ley	1 \		Ō	1	
Checked Dy;	19=	9/2) Date: 5/	72/13		/	\			
#// N	MAG	יםידיי			***************************************			LOWE	OWenow	FIGURE 4.17
511 Congre	ss Street, Portland	A L L	<u> </u>					NYSE	LOW GROUP DEC QUALIT	NDWATER SAMPLING RECORE TY ASSURANCE PROJECT PLAN

.

ĺ	PROJECT NAME	, ,,	v9 '		roc	MW-19	DAT	5-9-1	3	
	PROJECT NUMB				STA	RT TIME		TIME		
	SAMPLE ID	N191201:	SAM	PLE TIME	SITI	0948 ENAME/NUMBER	PAG	E		
·	DCMI	N191201:	3 <u>88 /</u>	3:20		<u> </u>	<u> </u>	OF		Mid
WELLDIA	METER (INCHES)		12 - 4	6	8	OTHER			CAP	WELL INTEGRITY YES NO N/A
TUBING ID	(INCHES)		1/4 3/8	1/2	5/8	OTHER			CASING LOCKED	
	MENT POINT (MP)	TOP OF	RISER (TOR)	TOP OF CASING		OTHER			COLLAR	-
(BMP))TW 12	15 FT	FINAL DTW (BMP)	17.65		DT. CASING CKUP (AGS)	Flush	FT	TOC/TOR DIFFERENCE	-0.3 FT
WELL DE (BMP)	PTH 29	7./ Fr	SCREEN 24-3	9') 5'	FT AM	BIENT AIR	0.0	РРМ	REFILL TIME SETTING	ER SEC
WATER COLUMN	16.	.95 FT	DRAWDOWN VOLUME		GAL MO	WELL UTH	0.0		DISCHARGE TIMER SETT	ING SEC
CALCULA		8	TOTAL VOL.	TW X well diam. square	DRA	AWDOWN/			PRESSURE	
I .	well diameter squares	d X 0.041)		il minutes X 0,00026 gal	I/m L)	FAL PURGED		┛.	TO PUMP	PS
FIELD PAR TIME	DIM(FI)	PURGE RATE	TEMP, (°C)	IA (AS LISTED IN TH SP. CONDUCTANCE	HE QAPP) pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (nlu)	PEDOV (mil)	PUMP	
3-5 Minutes	0.0-0.33 ft Drawdown	(mL/mln)	(+/- 3 degrees)	(mS/cm) (+/- 3%)	(+/- 0.1 units)	(+/- (0%)	(+/- 10% <10 ntu)		INTAKE DEPTH (ft)	COMMENTS
0955	BEGIN PURC		1	min.		Y -				
10:00	15.00	320	13.44	D.886	10.45	2.24	₹2.3	71.7	3'up	<i>//</i>
10:05	16.45	21:0	13.35	0.887	10.47	2.18	76.8	64.3		A speed to par
10:08	17.17	200	13.46	0.882	10.45	2.07	66.0	62.0		
10:13	18.30	200	13.42	0.881	10.45	2.00	61.0	59.0	~-	
10:18	19.55	200	13.52	0.834	10.41	1.94	62.5	54.3		
10:23	20.85	No Rue	Super. Con	min in the	WS CA	W. 50	Mar. 128	1		10:28 TIME
10.00	20175	SAMLE	1	A 40 1	or tools	1, 30	James Car	* ?		
	Pupaes :	1			1000	(2)			· ·	
10:54:3	23.7	7 70 1	24 635.	F TURN off	Jump (10:29:				
17.50	17.15	Petern	to Colle	ct same	7.					
			1	METERS (to appr	ropriate sign	i ificant figures[SI	I 71)		ICOND.: 3 SF max	 proc (cx. 10.1 = 10) (cx. 3333 = 3330, 0.696 = 0.696)
	FI	NAL STABILIZ			T		,,		alle meaned booth &	ex. 5.53 = 5.5) ex. 3.51 = 3.5)
		NAL STABILI:	<u> </u>			***************************************			DO: nearest tenth (nearest tenth (6 19 a 6 2 101 = 1015
ر ا	DOCUMENTATIO	/A				Windows and		_	DO: nearest tenth (TURB: 1 SF mux, 1 ORP: 2 SF (44.1 =	neurest tenth (6,19 × 6,3, 101 = 1011
PERIST	DOCUMENTATION TYPE OF PUMP FAULU	A ON [1]	DECON PLUIDS USED IQUINOX	SILICONTI	JBING		L PUMP MATERIAL		TURB: 1 SP max, IORP: 2 SF (44.1 -	nearest tenth (6,19 = 6,2, 101 = 101) 44, 101 = 190) EOUIPMENT USED
PERIST	DOCUMENTATION TYPE OF PUMP FAUTIC ERSIBLE	A DI	DECON FLUIDS USED IQUINOX EIONIZED WATER OTABLE WATER	TEFLON TU TEFLON LII	JBINO JBINO NED TUBING	S, STEB PVC PU GEOPRE	l pump material MP material Ode screen		TURB: 1 SP max, 1 ORP: 2 SF (44.1 =	EQUIPMENT USED FER FER FER
PERIS SUBMI BLADI WATT OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA COUPLY	A DN LI	DECON FLUIDS USED IQUINOX EIONIZED WATER OTABLE WATER ITRIC ACID EXANE IETHANOL	TEFLON TU	JBING JBING NED TUBING NG	S, STEB PVC PU GEOPRE	L PUMP MATERIAL MP MATERIAL OBE SCREEN N BLADDER		TURB: 1 SP max, 1 ORD: 2 SF (44.1 - VVL MET PID WQ MET TURB, N PUNIP	EQUIPMENT USED FER FER FER
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA COUPLY	A DN LI	DECON FLUIDS USED IQUINOX BIONIZED WATER OTHER WATER ITRIC ACID EXANE BETHANOL THER	TEFLON TU TEFLON LIN HOPE TUBE LOPE TUBE	JBING JBING NED TUBING NG	S, STEE PVC PU GEOPRO TEFLON OTHER	L PUMP MATERIAL MP MATERIAL OBE SCREEN N BLADDER		TURB: 1 SF max, 1 ORP: 2 SF (44.1 =	EQUIPMENT USED EQUIPMENT USED ER EFER
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA R AL PARAMETERS PARAME	A DN D DN DN N N N N N N N N N N N N N N	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU TEFLON LIE HDPE TUBE OTHER OTHER FIELD FILTERED	JBING JBING MED TUBING NG NG PRESER	S. STEE PVC PU GEOPRI TEFLO OTHER OTHER OTHER OTHER AVATION VC	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	Whre	TURB: 1 SP max, 1 ORP: 2 SF (44.1 - VVL MET PID WQ MET TURB, A PUMIP OTHER	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA C AL PARAMETERS	A DN D DN DN N N N N N N N N N N N N N N	DECON FLUIDS USED IQUINOX BIONIZED WATER OTHER WATER ITRIC ACID EXANE BETHANOL THER	TEFLON TU TEFLON LIE HDPE TUBE OTHER OTHER FIELD FILTERED	JBING JBING NED TUBING NG NG PRESER	S. STEE PVC PU GEOPRI TEPLO OTHER OTHER OTHER RVATION RE	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	TECLIED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA R AL PARAMETERS PARAME	A DN D DN DN N N N N N N N N N N N N N N	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU TEFLON LIE HDPE TUBE OTHER OTHER FIELD FILTERED	JBING JBING MED TUBING NG NG PRESER	S. STEE PVC PU GEOPRI TEPLO OTHER OTHER OTHER RVATION RE	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA R AL PARAMETERS PARAME	A DN D DN DN N N N N N N N N N N N N N N	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU TEFLON LI TEFLON LI TEFLON LI TEFLON LI LOPE TUBRI OTHER OTHER FIELD FILTERED	JBING JBING MED TUBING NG NG PRESER	S. STEE PVC PU GEOPRI TEPLO OTHER OTHER OTHER RVATION RE	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIST SUBMI BLADI OTHER OTHER	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA R AL PARAMETERS PARAME	A DN D DN DN N N N N N N N N N N N N N N	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU TEFLON LI TEFLON LI TEFLON LI TEFLON LI LOPE TUBRI OTHER OTHER FIELD FILTERED	JBING JBING MED TUBING NG NG PRESER	S. STEE PVC PU GEOPRI TEPLO OTHER OTHER OTHER RVATION RE	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIST SUBMIN BLADI SUBMIN BLADI OTHER OTH	DOCUMENTATION TYPE OF PUMP TALTIC EASIBLE DER ERA AL PARAMETERS PARAME VOC S	A DN D DN DN N N N N N N N N N N N N N N	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU TEFLON LI TEFLON LI TEFLON LI TEFLON LI LOPE TUBRI OTHER OTHER FIELD FILTERED	JEING JEING NED TUBING NG NG PRESER ME: HcL	S. STEE PVC PU GEOPRI TEFLOS OTHER OTHER OTHER OTHER 4°C 3x	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	REPRESENTATION (6,19 = 6.2), 101 = 101) 4.4, 101 = 100) EQUIPMENT USED ER FER LETER NO. TYPE
PERIS SUBMI BLADI OTHER OTHER ANALYTIC	DOCUMENTATIONS TOPE OF PUMP TAUTIC EASIBLE DER ERA AL PARAMETERS PARAME VOC S SERVATIONS THR	A ON CON CONTRACT OF CONTRACT	DECON PLUIDS USED IQUINON BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER METHOD NUMBER	TEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU	JEING JEING NED TUBING NG NG PRESER ME: HcL	S. STEE PVC PU GEOPRI TEPLO OTHER OTHER OTHER RVATION RE	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURE : 1 SP IDJ. ORF: 2 SF (J.L.) VVL MET PID WQ MET UTURE : N PUMP OTHER FILTERS QC COLLECTED	EQUIPMENT USED EQUIPMENT USED ER FER SAMPLE BOTTLE IC NUMBERS
PERIS SUBMI BLADI OTHER	DOCUMENTATIONS TOPE OF PUMP TAUTIC EASIBLE DER ERA AL PARAMETERS PARAME VOC 5 SERVATIONS THE RIZED	A ON CON CONTRACT OF CONTRACT	DECON PLUIDS USED IQUINOX PEONIZED WATER OT GALL QENERATED	TEFLON TU TEFLON TU TEFLON TU TEFLON TU TEFLON TU TEFLON TU THER THE TUBER THERE THE TUBER THE T	JEING JEING NED TUBING NG PRESER HEL	S. STEE PVC PU GEOPRI TEFLO) OTHER OTHER OTHER OTHER AVATION RE 4°C 3x	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER DLUME S QUIRED COL	LECTED	TURE : 1 SP IDJ. ORF: 2 SF (J.L.) VVL MET PID WQ MET UTURE : N PUMP OTHER FILTERS QC COLLECTED	EQUIPMENT USED EQUIPMENT USED ER FER SAMPLE BOTTLE IC NUMBERS
PERIS SUBMI BLADI OTHER	DOCUMENTATIONS TOPE OF PUMP TAUTIC EASIBLE DER ERA AL PARAMETERS PARAME VOC 5 SERVATIONS THE RIZED	A ON CON CONTRACT OF CONTRACT	DECON PLUIDS USED IQUINOX PEONIZED WATER OT GALL QENERATED	TEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU YEFLON TU	JEING JEING NED TUBING NG PRESER HEL	S. STEE PVC PU GEOPRI TEFLOS OTHER OTHER OTHER OTHER 4°C 3x	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER OLUME SA QUIRED COL TO THE	LECTED	TURE : 1 SP IDJ. ORF: 2 SF (J.L.) VVL MET PID WQ MET UTURE : N PUMP OTHER FILTERS QC COLLECTED	EQUIPMENT USED EQUIPMENT USED ER FER SAMPLE BOTTLE IC NUMBERS
PURGE OB- PURGE OB- PURGE OB- PURGE OB- PURGE WATTO	DOCUMENTATION TYPE OF PUMP TAUTIC ENSIBLE DOER ERA AL PARAMETERS PARAME VOC 5 SERVATIONS THE RIZED METHOD VE	A ON LI D ON NO	DECON PLUIDS USED QUINOX BIONIZED WATER OTABLE WATER ITRIC ACID EXANE BITHANOL THER METHOD NUMBER S 360 B OENERATED Proprocedure of Gall OENERATED Proprocedure of Gall OENERATED Proprocedure of Gall OSCHOOL OF THE CONTROL OSCHOOL OSCHOOL OF THE CONTROL OSCHOOL OSCH	TEFLON TU TEFLON	PRESER MEI HELL	S. STEE PVC PU GEOPRI TEFLO) OTHER OTHER OTHER OTHER AVATION RE 4°C 3x	L PUMP MATERIAL MP MATERIAL DOE SCREEN N BLADDER CUUME QUIRED COLUME CO	LECTED	TURB: 1 SF RIJA. ONP. 2 SF (44.1 - PID WQ MET TURB: N PUMP OTHER FILTERS	EQUIPMENT USED EQUIPMENT USED ER FER SAMPLE BOTTLE IC NUMBERS
PERIS SUBMI BLADI OTHER	DOCUMENTATION TOPE OF PUMP TALTIC EASIBLE DER ERA AL PARAMETERS PARAME VOC S SERVATIONS THE RIZED MITTHON VE	A ON LI D ON NO	DECON PLUIDS USED IQUINOX BEONIZED WATER OTABLE WATER ITRIC ACID EXAME BETHANOL THER STORE AND METHOD NUMBER STORE AND METHOD SUMBERATED From purposed approaches to sampling or sampling	TEPLON TO TEPLON	PRESER MEI HELL	S. STEE PVC PU GEOPRI TEFLO) OTHER OTHER OTHER OTHER AVATION RE 4°C 3x	L PUMP MATERIAL MP MATERIAL ODE SCREEN N BLADDER OLUME SA QUIRED COL TO THE	LECTED	TURE : 1 SP IDJ. ORF: 2 SF (J.L.) VVL MET PID WQ MET UTURE : N PUMP OTHER FILTERS QC COLLECTED	EQUIPMENT USED EQUIPMENT USED ER FER SAMPLE BOTTLE IC NUMBERS

20.85 10:33

	LOV	**************************************	UNIV WY A	TOR SAWIS	DING RECC	ORD	31.5 (1.2)	
PROJECT MANIE DIAMENA Cla	a		ro	CATIONID	DA'	re	7 459]
PROJECT NUMBER			STA	MW-	RNS	DTIME	12	
3.(2.1(22.09.02 SAMPLE ID		IPLE TIME		PO: 90	5			
DCMW 201206	XX	: 20	311	E MANIETA OVIDER	r PAG	J. OF	J	
WELL DIAMETER (INCHES)	□ 4	[] 6 [[] 8 [lower				WELL INTEGRITY
TUBING ID (INCHES)	14 3/8			OTHER			CAP	YES NO NA
	P OF RISER (TOR)		15/8	Onier		-	LOCKED	
	FINAL DTW	TOP OF CASING		OTHER	· · · · · · · · · · · · · · · · · · ·		COLLAR	<u> </u>
(BAIP) 12.15 FI		12.15	FT STI	TT, Casing Ckup (ags)	Push	FT	TOC/TOR DIFFERENCE	-0.4 FT
WELL DEPTH . 22.0 FT	SCREEN (2-22	10		DIENTAIR	0.0	PPM	REFILL TIME SETTING	er sec
WATER COLUMN 9.85 FT	DRAWDOWN VOLUME	YU VIIII III	GAL MO	VYELL UTH	00	PPM	DISCHARGE TIMER SETTI	ING SEC
CALCULATED /16 OAL	TOTAL VOL.	TW X well dlam, square		NYDONN/ FAL PURGED	V		PRESSURE	
(column X well diameter squared X 0.041)	(mL per minute X tol	al minutes X 0.00026 ga	l/mCj	IND FORGED	L		то римр	rsi
FIELD PARAMETERS WITH PROGRAM S TIME DIW (FI) PURGERA 3.5 Migutes 0.0-0,33 ft (m.L. 6m)		SP. CONDUCTÁNCE	PH (units)	DISS, O ₂ (mg/L)	TURBIDITY (niu	DEDOY ()	POMP	
Dawdown . (illizatio	(+/- 3 degrees)	(mS/cm) (+/- 3%)	(+/- 0.1 units)		(+/- 10% <10 ntu)	(+/- 10 mv)	INTAKE DEPTH (A)	COMMENTS
10:44 BEGIN PURGING @		rin .		***		4		
10:49 13.15 200	····	1.196	7.31	2.00	95.5	10.7	3'017	- of kotton
	inferre y	0 280 ml	min					
10:53 :12.15 300	12,34	1.200	7.20	0.56	17.6	-7.2		
10:58 12.15 300	1224	1.202	1.20	0.33	13.5	-14.5		
11:08 12.15 300	12.41	1.203	7.20	0.2.1	18.2	-22.3	_	
44+H 12.15 300	1252	1.205	7.20	0.21	10.3	-22.7		
11:16 12-15 300	12.59	1.206	7.30	0.21	10.7	-23		
1119 12.15 300	12.62	1.306	2.30	0.19	10.4	~33,4	-	
17:20 Sample							,	
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
						ľ		
FINALSTAB	LIZED FIELD PARA	METERS (to appr	opriate signi	ficant figures(S)	[])		TEMP: accress deg CONO.; 3 SF max	grse (dx. (0.) = (U) (cx.333) = 3330, 0.096 = 0.096)
	13	1.21	122	0.2	10.4	-13	pile nearest tenth (e DO: nearest tenth (e of CRB: 1 SF may s	(ex. 5.3) = 5.5) ex. 5.3 = 5.5) sternet (eath (6.19 = 63, 101 = 101) .43, 191 = 190)
EQUIPMENT DOCUMENTATION			7.6	1		1 80	ORF: 3 SF (44.1 w	44, 191 = 190)
PERISTALTIC C	LIQUINOX	SILICONTO	ibiyko .	MPBLADDER MAT	ERIALS LI PUNIF MATERIAL		WL MET	EOUIPMENT USED
SUBMERSIBLE BLADDER	DEIONIZED WATER POTABLE WATER		ONIBUT GEV	D DEOPR	MP MATERIAL Obe scrien		PID WQ MET	
WATTERA C. S.C.	NITRIC ACID HEXANE	LDPE TUBI		OTHER	NOLADDER		TURB, M	ISTER
OTHER GARJANGS	OTHER	OTHEROTHER		OTHER OTHER			OTHER FILTERS	NO, TYPE
ANALYTICAL PARAMETERS PARAMETER	WETHOD	FIELD	PRESER	VATION V	OLUME S	AMPLE	Of:	SAMPLE BOTTLE ID
VOC'S	номвек В 283 6	B N	. MBI	HOD RE	QUIRED CO X40ml 1	AMPLE LLECTED	COLLECTED	NUMBERS
			,,	,		7 —		
	•		-					
	•							
		· · · · · · · · · · · · · · · · · · ·			·····			
PURGE OFFERVATIONS PLINGS WATER VEST NO.	NUMBER OF GALL	ans . ~ 2.5G	Si	CETCH/NOTES	1			Louwer Spe-
CONTAINERIZED Y	qenerated			, J	mit/	N	V	- 6014. BY
UTILIZED THE	to sambling as	nt for this sample loca	er Nou.	Berna	ट्याः 🗸	4	N.	A Now A
1.11.04	la 7	Transen 1.		/	,)	1		A 16.
Sampler Signal Ver		homos D. Lo	7779		\ \			
Checked By:) Date: 5/	22 //3			1 ,			
MINIOCTI					,	LOW R	OW GROUP	FIGURE 4.17 NDWATER SAMPLING RECORD
511 Congress Street, Portland Manie 941	ني ک نيا دار					NYSE	EC QUALIT	TY ASSURANCE PROJECT PLAN

10L 11113

16 E		a sale .	LOV	V FLOW GRO	UNDWA	TER SAMPI	ING RECO	DRD	12 - 21	
	PROJECT NAME			***	LO	CATION ID	DA'	TE / A		}
	PROJECT NUME	i Err	45		· ŠTA	MW-		<u>" 5-9</u>	73	•
	36(2)(1) SAMPLE ID	209.02	le to	(D) D (2) Let		11:26	-			
	DCMW.	2112013X	<u>χ</u> ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	12:30	SIT	E NAME/NUMBER	PAC	GE) OF	1 .	
WELLDIAN	METER (INCHES)	ון וי	12 11	[76 [7	ـــــ ا ها	OTHER		· # · · · · · · · · · · · · ·	·	vell integrity
TUBING ID			TIM [] JIB] 5/8 [OTHER	*****		CAP	YES NO NIA .
1	HENT POINT (MP)		FRISER (TOR)	TOP OF CASING	-	OTHER	-		LOCKED	
מאנדואו	west I		PINAL DTYY	· · · · · · · · · · · · · · · · · · ·		T. CASING			COLLAR	
(8817)		16 51	(DMP)	12.18		CKUP (AGS)	FLUSH	FT	DIFFERENCE	<i>-</i> 0,35 _{гт}
(DML)	29	alf FT	ecreen Lengtii	6	I'ID IFF AM	DIENT AIR	0.0	РРМ	REFILL TIME SETTING	ER SEC
WATER COLUMN	17	,24 pr	DRAWDOWN VOLUME	0.003	OAL MO	ALII Merr	0.0	РРМ	DISCHARGE TIMER SETT	ING SEC
CALCULA		gal.	(Initial DTW- final E TOTAL VOL. PURGED	TW X well diam, square	DRA	NYDONYN/		7	PRESSURE	
(column X t	well diameter square	X 0.04[)	(in Loer of nute X to	al minutes X 0.00026 ga	l/mL5	TAL PURGED			то римір	PSI
	DIW (F1) 0.0-0.33 R			RIA (AS LISTED IN TI SP. CONDUCTANCE		DISS. O ₂ (mg/L)	TURBIDITY (nlu)	REDOX (mv)	PUMP	
3-5 Minutes	Drawdown	. (mL/min)	(+/-3 degrees)	(inS/em) (+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% <10 mm)	(+/- 10 niv)	DEPTH (0)	COMMENTS
//:32	BEGIN PURC	7		nich (X) Deep	 4 	develope	+ wa	m so	
11:43	12.18	260	13.27	2.637	7.13	3.00	25.6	614.3	4 0%	Lof bottom
11153	12.18	260	/3.25	2.546	7.13	0.45	15.5	614.9		
12:03	12.18	260	13.09	2.654	3.11	0.31	11.8	635.9		
12:08	12.18	260	13.14	2.625	711	0.38	7.21	630.5		
12:13	12.18	260	13.07	2.601	702	0.25	5,99	635.8		
121/6	12.18	260	13.08	2.599	7.11	0.58	4,72	638.0		
12:20	Snyphe									
		ļ·								,
									1	
	<u> </u>									
·										
	FI	NAL STABILIZ	ED FIELD PAR	AMETERS (to appr	opriste signi	ficant figures[Si	7])		COND.: 3 SF max	gree (cs. 10.) = [0) (cs. 1333 = 1330, 0.596 = 0.696) (ss. 533 = 5.5) (ss. 1.51 = 1.5)
neally na results			13.	2.60	7.1	0.6	4.70	640	DO: restort touli (TURB: 3 SP max,	es. 3.51 ~ 3.5) Naticest leath (6,19 ~ 6.3, 101 ~ [0]) 44, 191 = 190)
l/ :	DOCUMENTATIO		ECON FLUIDS USED		TUDING-PU	MPBLADDER MAT	PRIALS		11/11/1/2011/1/2	,
SUBMI	ALTIC IRSIDLE	₩ 0	QUINOX SIONIZED WATER	SILICON TU	BINO	S. STEE	L PUMP MATERIAL MP MATERIAL		WLMET	ER
BLADD		М	DTABLE WATER TIRIC ACID	TEFLON LIN	10	GEOPRO	DBE SCREEN NELADDER		WO MET	
WATTE	- Georeus	Щ М	EXANE ETHANOL	LDPS TUBIN	ła	OTHER			PUNIP	
ANALYTICA	ALPARAMETERS		THER	OTHER		OTHER			EILTER!	NO. TYPE
1 17	PARAME	TER	METHOD		MEI	HOD RE	DLUME S QUIRED CO	AMPLE LLECTED	COLLIGIED	SAMPLE BOTTLE ID NUMBERS
	VOC5		6281	, N	HCL	48 33	ryond _	4		
	/							<i>Q</i>	***************************************	
								·		
			·							
		<u></u>	• • • • • • • • • • • • • • • • • • • •							
1	BERVATIONS				, \$K	ETCHMOTES	N N	·		
PURGE WAT ÇÜNTAINER		∀	VENERATED	DNC 23.04	<u>n</u> .	in. 1			J 600	was were
Othrized Mortings v	метнов уня	NO	(n amilyling or	ong omulos guibent t vloud Liku this sum to the	ion.	Bengung.	华	•	\<	
	1/ ^	11	· · · · · · · · · · · · · · · · · · ·			1 23	1		₩	mw-21
Sampler Signa	now le l	. diffy	Print Name; 7	hames D. Long.	er				4 ,	Was
Checked By:	12,5	CD1-) Dale: 5/	22/12	4	//			\sim	
1111 X	A A			zurole h. A.	Mussu	st water	 			FIGURE 4.1
	VIAL	,工上(surple to du	الهدد وأحدد			LOW FL NVsn	OW GROW EC OHAL!!	YDWATER SAMPLING RECORE 'Y ASSURANCE PROJECT PLAN
[511 Congres	ss Sireel, Portland	Maine 04101	(30)					111.511	4011011	

	WATER SAMPLING RECORD
PROJECT NAME DIAMOND (LANERS	LOCATION ID DATE
PROJECT NUMBER 361412209.02	START TIME END TIME 13
SAMPLE ID SAMPLE TIME	SITE NAME NUMBER PAGE
DCMW2212013XX 1307	OF
WELL DIAMETER (INCHES) 1 2 4 6 8	OTHER WELL INTEGRITY YES NO N/A
TUBING ID (INCHES) 1/8 1/4 1/4 1/5/8	OTHER CASING
MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC)	LOCKED
INITIAL DTW 11 Q 7	PROT. CASING CIVILIA TOCATOR
	DIFFERENCE FT
WELL DEPTH 27 SCREEN 10 FT	AMBIENTAIR O PPM REFILL TIMER SETTING SEC
WATER COLUMN FT DRAWDOWN O. O. O. GAL GAL (Initial DTW-) final DTW X well diam, squared X 0.0	PID WELL OF O PPM DISCHARGE TIMER SETTING SEC
GALAVOL TOTAL VOL. PURGED A.S. GAL	DRAWDOWN/ TOTAL PURGED O.0039 PRESSURE TO PUMF PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL) FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QA	· · · · · · · · · · · · · · · · · · ·
TIME DIW(F1) PURGE RATE TEMP, (C) SP. CONDUCTANCE PH	(units) DISS, O ₂ (mg/L) TURBIDITY (ntv) REDOX (mv) PUMP INTAKE COMMENTS (+/- 10%) (+/- 10 ntv) (+/- 10 mv) DEPTH (fit)
1773 BEGIN PURGING	OBYTR(III)
1728 1189 250 17.29 1.194 16.	83 0.75 11.78 32.6 170
1233 1189 250 1210 1 172 10	77 0.57 6.05 346 120
1238 1190 250 17,00 1,007 6	77/1/12 4.57 770 77
1243 1190 250 11,78 1,023 6	80 151 153 358 (70)
1248 11,90 250 11,41 1,009 6	77 7.10 7.11 38.4 (7.0)
1753 11,90 250 11.46 0.996 6	79 1.99 1.57 426 17.0
1250 1190 250 1127 11.997 1	80 1.77 1.48 40.6 17.0
1259 11,90 757 11.29 0.989 6.	78 1100 117 44, 170
1302 11,90 250 11,53 0,985 1.	80112 1150 455 120
1305 11,90 250 1150 0-986 10	1871,58 (2,90 424 (7.0
Collect Sample @ 1307	0,000 11,00
FINAL STABILIZED FIELD PARAMETERS (to appropria	tte significant figures[SF]) TEMPL readed degree (ex. 10.1 - 10)
12 0.986/6	Pliconares (red), (cr. 5.5) - 5.5) PO (rearest tent), (cr. 5.5) - 5.5) TRIC; 237 (na., nearest (cd.), (cr. 5.5) - 6.1) TRIC; 237 (na., nearest (cd.), (cr. 5.7) - 6.1)
EQUIPMENT BOCUMENTATION	ORE: 2.5F (44.1 = 44, 191 × 199)
PERISTALTIC LIQUINOX V SILICON TUBINO	UBING-PUMP BLADDER MATERIALS S. STEEL PUMP MATERIAL WL METER WL METER
BLADDER POTABLE WATER TEFLON LINED TO	PVC PUMP MATERIAL PID
WATTERA HEXANE HEXANE LOPE TUBING	OTHER PUMP
OTHER METHANOL OTHER OTHER OTHER	OTHER OTHER EILIERS NO. TYPE
ANALYTICAL PARAMETERS PARAMETER METHOD FIELD	PRESERVATION VOLUME SAMPLE QC SAMPLE BOTTLE ID METHOD REQUIRED COLLECTED NUMBERS
NUMBER FILTERED	PRESERVATION VOLUME SAMPLE OC SAMPLE BOTTLE ID NUMBERS HC C 3x40mL
	7
	Printer and the second
PURGE OPSERVATIONS	
PURGE WATER VEY NO NUMBER OF GALLONS ~ 2.8	SKETCHINOTES CO.C. BLOCK
CONTAINERIZED VES NO IT you regard approximately 1 stimiling walnum prior to the large of the control to the large of	
The state of the s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sampler Signature: Print Name: RYAN JORACY	N 49 MW-22 61.
Sampler Signature: Print Name: RYAN JORACY Checked By: TDL Date: 5-21-13	*
ZWA LA CTEC	FIGURE 4.1
MIACIEC	LOW FLOW GROUNDWATER SAMPLING RECORI NYSDEC QUALITY ASSURANCE PROJECT PLAY
511 Congress Street, Pontand Maine 04101	

			LOV	VILOW GR	OUNDW	ATER S.	AMIN	HNG RIKO(DRD	10 6	
].	PROJECT NAME	d Cleane			Ī	II NOITKOO	,1	DA DA	TE 5-9-	19]
	PROJECT NUMB	ER		·		TART TIME			DTIME	13	
	SAMPLE ID	1289.07	SAN	IPLE TIME	Į.	12:5		EA.		;20	
	Demi	123120	13XX	14:10	. [ستزمي			OF		
WELLDIAN	METER (INCITES)	<u> </u>	12, 🖂 4	<u></u> 6 □	× [OTHER	•				WELL INTEGRITY YES, NO N/A
TUBINGID	(inches)	1/8	J114 🗀 318	1/2	5/8 [other				CAP CASING	
NIEASUREN	LENT POINT (MP)	TO! OI	RISER (TOR)	TOP OF CASI	на (тос) [OTHER .	·			LOCKED COLLAR	
INITIALE (BMP)	лw <u>Д</u>].	95 FT	PINAL DTY (BNP)	20	OO FT	rot, casin Tickup (ac		FLUELA	FT	TOC/TOR DIFFERENCE	-0.3 FT
WELL DE (BMP)	2.9.	G FT	SCREEN (24/2	19') 5		ID Misient Ali	R	0,6	РРМ	REFILL TIME SETTING	ER SEC
WATER COLUMN	17.	65 FT	DRAWDOWN VOLUME		GAE A	ACUTH		0.0	PPM	DISCHARGE TIMER SETT	
CALCULA		.9	TOTAL YOL,	TW X wolldlam. squ		RAWDOWN				PRESSURE	199
	well diameter squared			al minutes & 0.00026	gol/mL)	OTAL PURC	ED			TO PUMP	PSI
FIELD PAR TIME	DIW(F1)	PURGERATE	(LIZATION CRITE) TEMP. (°C)	SP. CONDUCTAN	THE QAPP) Ch pH (unit	DISS. O	(me/L)	TURBIDITY (niu	BEDOX (mv)	PUMP	
3-5 Minutes	0.0-0.33 ft Drawdown	. (mL/mln)	(+/- 3 degrees)	(mS/em) (+/-3%)	(+/+ 0.1 un			(+/- 10% <10 mm)	(+/- 10 mv)	INTAKE DEPTH (f)	COMMENTS
13:01	BEGIN PURC	····	James /	mih	- Price - 1			T	' 1		
13:10	14.75	220	12.46	0.843	7.14	/ 2.		36.8	57510		,
13:15	16.20	220	12.44	0.823	7.17	- 10	3	34.1	542.9		A purge rade
	well	does	not oxco	age-tu		phry a	4xor	Secoy	<u> </u>	rep at	<u> </u>
10.00	Laures	pung.	Setting:	sill som				after	A 1-2-1		ack
13:23	20.4	WAG	54-91 6	reps @	Dog m	7	····· (F,	up oute	10 180	mL/mi	n. 5717 dryps
13:33	Dunge.	10 23:	P 3.7.0.	R Mul	at	(is bester	4 4	Ren 5 m	ple.		
14:10	20.00	Sample		,							
19.10	20.00	,	· · · · · · · · · · · · · · · · · · ·						<u> </u>	 	
						-					
		······									
	<u>' </u>	yal stabiliz	ED FIELD PARA	AMETERS (to an	provrlate si	politicant fis	urests	El)	J.,	TEMP, peerest de	Spice (oz. 10,1 = 10) (oz. 3131 = 3330, 0.695 = 0.696)
		•								pili: nearest icult ((xx, 5,53 = 5,5) (xx, 5,51 = 3,5)
1 7	DOCUMENTATIO			L				Τ	1	ORP12 SF (44.1	neurest tenft (6.19 = 6.3, 101 = 101) -44, 101 = 196)
PERIST	TYPE OF PUMP FALTIC	<u> </u>	ECON FLUIDS USED QUINOX	SILICON	TUBINO	VEUMP IILAD	S. STEI	EL PUMP MATERIAL	L	WL ME	EOUPNIENT USED TER
BLADI	ersialo Der	PC	EIONIZED WATER DTABLE WATER ITRIC ACID		LINED TUBING	,	OBOPR	inip Material Obe Screen		PID WQ ME	
WATT			EXANE ETHANOL	LOPE TO OTHER			OTHER			PUMP	
OTHER	AL PARAMETERS		THER	OTHER			OTHER			OTHER FILTUR	
I I	PARAME VOC3	TER	метнод кимвек 8360 В	FIELD FILTER	iD i	ERVATION HETHOD	v Kl	COLUMB CO	SAMPLE	COLLECTER	SAMPLE BOTTLE ID NUMBERS
											
	$\overline{}$										
											
ΙД											
PURGEOR	SERVATIONS					SKETCH/N	vree			·	
PURON WA	TER YES	NO	NUMBER OF CALL	.oue		n1971 6 3 1191.	-	same c. 1	$\langle \lambda \rangle$	II	N
NO-PHROP UTILIZED	<u> </u>	l 1	Uyun pungul neprasia	ntely I standing solune	Lapin		, X	semple.c.	SLOW.	1 / 61	Me A
CATERED	MA	11	to sampling or	nL for this sample i		1	/_			1 15	51
Sampler Sign	natural Dh. W.	donly	Print Namo:	homes D. A	myles	P. January C.		c A			1
Checked Byr	B-2	25	Date: 5/	Nomes D. 1 22/13	_	***************************************	ا^	MW - 2-3	-	ļ	
2111 N	AKC	الكيار	$\overline{}$						ו מיע זו	ו טאל פויטיו	FIGURE 4.1' NDWATER SAMPLING RECORD
1	VIII.	ノエニ	<u> </u>						NYSI	DEC QUALT	ND WATER SAMPLING RECORT TY ASSURANCE PROJECT PLAN

			LOW	FLOW GRO	UNDWAT	TER SAMPI	ING REC	ORD			
1 1	PROJECT NAME Dramon	1 / 12			Loc	ALJ-OO		TE /7/	/>		
	PROJECT NUMB 3612 SAMPLE ID	ER DO A	1-		STA	RITIME,	EN	DTIME	<u></u>		
	SAMPLE 1D	11200110	SAM	PLE TIME	siti	E NAME/NUMBER		165			
	DCGW00	212013X	<u> </u>	6.50	Ĺ	, ~~~	<u> </u>	f OF	ſ		
WELL DIAM	ieter (inches)	≧\$ 0 ⊏	34	6 5] 8 🗀	OTHER				WELL INTEGRITY YES, NO N/A	
TUBING ID (INCHES)	246 01/8	1/4 3/8	I <i>1</i> 2	5/8	OTHER	70.0/10.0 April 10.0 A		CAP CASING	$\pm = \pm$	
MEASUREM	ent point (MP)	100 O	FRISER (TOR)	AFOP OF CASINO	(TOC)	OTHER			LOCKED COLLAR	ॐ = =	İ
INITIAL DO (BAIP)	1.7	91 FT	FINAL DTW (BMP)	12.94		OT. CASING CKUP (AGS)	FLAS	# _{FT}	TOC/TOR DIFFERENCE	FT	
WELL DEP (BMF)	TH G	ろ _{FT}	SCREEN LENGTH		FT AM	BIENTAIR	0,0	PPM	REFILL TIME SETTING	SEC	
WATER COLUMN	6.	3 η		0.0012 W X well diam, square	GAL MO d X 0.041)	WELL UTH	0.0	PPM	DISCHARGE TIMER SETTI	NO SEC	
CALCULA GALA'OL (column X w	vell diameter squared	2 CO GAL	TOTAL VOL. PURGED (mL per minute X tota	1 minutes X 0,00026 ga	GAL TOT	AWDOWN/ FAL PURGED	0.00 G	,	PRESSURE TO PUMP	PSI	
	METERS WITH I			IA (AS LISTED IN THE SP. CONDUCTANCE	1	· · · · · · · · · · · · · · · · · · ·	7	1	PUMP		_
TIME 3-5 Minutes	0.0-0,33 ft Drawdown	PURGERATE . (mL/min)	TEMP. (°C) (+/- 3 degrees)	(mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS, O ₂ (mg/L) (+/- 10%)	TURBIDITY (nt (+/- 10% <10 nt		INTAKE DEPTH (R)	COMMENTS	
1620	BEGIN PURC		1 1 1 110	1 110 0	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T = =	1			_
11:30	12.73	250	14.35	1,489	6.82	3.77	23.90	5/.4	16.5	414 H.45V	4
1630	12,94	250	13,88	1,474	6.81	3.23	8.11	45,9	16,5		_
1633	12.94	250	1359	1.459	6.84	3,09	2.73	47.1	16.5		_
1690	17.94	250	13,62	1.451	6,86	3,00	1.83	50.4	165		_
1645	12.54	250	13.89	1.447	6.87	3,04	1.14	51.8	16.5		ر ا
1650	12.99	250	13.78	1,450	6.84	3,05	1.17	53,3	16.5	Coffeet San	4/2
			J		-						_
											_
,			<u> </u>		ļ		ļ				
				,							_
<u> </u>		<u> </u>				<u> </u>	1		TEMP : newest des	virter 10 La 100	_
	FI	NAL STABILI		METERS (to app	ropriate sign				COND.; I SI max pH; nearest tents (e DO; nearest tenth (pro(ex. 10.1 ~ 10) (ex. 3333 ~ 3330, 0.696 ~ 0.696) ex. 5.53 ~ 5.5)	-
POLUBSIEST	DOCUMENTATIO	W.	14	1.45	6.8	3.1	1,2	53	TURB; 3 SF max, 1 ORP: 2 SF (44.1 =	ea.3.5 (= 3.5) nearest lenth (6.19 = 6.2, 101 = 101) 44, 191 = 190)	
	TYPE OF PUMP.	/ 1	DECON FLUIDS USED		· TUBING-PI	UMP BLADDER MAT	ERIALS			EOUIPMENT USED	
	RSIBLE	<u> </u>	IQUINOX DEIONIZED WATER	SILICON TO TEFLON TO	nbing Nbing	S. STE	EL PUMP MATERI/ JMP MATERIAL	AL.	WL MET	TER	
BLADD WATE			OTABLE WATER NYRIC ACID IEXANE	HDPE TUBI		TEF(,O	OBE SCREEN N BLADDER		WQ MET	TER (ETER	
OTHER OTHER		🗆 ,	METHANOL OTHER	OTHER OTHER	inu	OTHER OTHER	L		PUMP OTHER		.
	AL PARAMETERS			, -					FILTERS		
	PARAMI VOC		метнор NUMBER 8-26-0	FIELD FILTERED	PRESER	RVATION VIOLENTE	OLUME QUIRED C LIOMI	SAMPLE	COLLECTED	SAMPLE BOTTLE ID NUMBERS	
📋 🕻			0000			<u>.c.</u> >/	-70111	/		-	٠
1											.
$\mid \mid \mid \mid \mid \mid$	$\overline{}$						 -				.
									•		.
								222			.
PLIRGE WAT		<u> </u>	NUMBER OF GALL	ONS ~2.0	, s	KETCH/NOTES	\ /	//			
CONTAINER			GENERATED .	ataly Latenting values pa			- Y /		and the same of th	intre	
UTILIZED			to sompling or	_inL for this sample fee	uion d	M/(9)	سنسا		N	Prop.	
. Sampler Signs	nture: Z=	\mathcal{L}_{1}	Print Name:	Lyan Ji	الم المسمد	NEGO D	W-00"L			(5''	
Checked By:	TOL			· -21-13			1/4	of her	Giog		
#IN	\sqrt{AC}	CTE	\overline{C}			1				FIGURE A NOWATER SAMPLING RECO FY ASSURANCE PROJECT PL	ORD
511 Congre	ss Street, Portian	d Mame 04101						(7.1.5)	TO QUALI	I AGGUNANCE FRUJECT PL	1417

	LOW FLOW GROUNDWATER SAMPLING RECORD	
	PROJECT NAME LOCATION ID DATE	
	PROJECT NUMBER START TIME START TIME START TIME PROJECT NUMBER PROJECT NUMBER START TIME PROJECT NUMBER START TIME	
	36/21/2209,02	
	ISAMPLE ID ISAMPLE TIME V STEETING TO THE TOTAL	
	WELL DIAMETER (INCHES)	
	TUBING ID (INCHES)	
	MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER COLLAR	
, į	INITIAL DTW PROT. CASING FLUS N FT DIFFERENCE N-0.5 FT	
	NOTE DESCRIPTION OF THE PROPERTY OF THE PROPER	
blockage	WELL DEPTH SCREEN PID REFILL TIMER (IMIP) FT LENGTH FT AMBIENTAIR O.O PPM SETTING SEC	
@~61	WATER COLUMN DRAWDOWN FT DRAWDOWN FT DRAWDOWN FT DRAWDOWN GAL MOUTH O O PAN TAMER SETTING SEC	
unable to	(Initial DTW- final OTW X well diam. squared X 0,041)	
Collect Water 1	GALVOL GAL PURGED GAL TOTAL PURGED TO PURD	
Tievel	(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL) FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)	
	TIME DIW (+1) PURGERATE TEMP. (*C) SP. CONDUCTANCE pH (units) DISS. O ₂ (mg. L) TURDIDITY (ntu) REDOX (mv) PUNIT	
	Drawdown (IIIDImin) (47-3 degrees) (47-3%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%) (47-10%)	
	17 2 1/2	
	1212 N/A 200 14.12 1032 682 0,12 > -53,0 GWISVER/TURBIN).	
	1215 200 14,16 1,019 6,41 0.08 > -45,5 Dark Gray Sectioner	+
	1216 Well Pumped Dry. Based on Previous Sampling.	
	Will leturn in 12. 24 Hours to Collect Sample"	
	Water Remained Vily Turbed. No PID Hts PIDE O. Open	
11	Slight organic adet.	
7/8/13	Para Congley to collect Sangle - Collect 3 X40 ml wiels @ 0820 m 5-8-13	
	extramely tential & middy water	
	FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF]) IEMP2.neuresi degree (et. 10.1 - 10) COND.2 SF max (et. 233) = 3330, 0.06 = 0.006	
	QUIPMENT DOCUMENTATION TURB: 3 ST #321, 000001 840h (6.19 - 6.2, 101 = 101) ORD - 1.81(441 - 44, 191 - 190)	
	TYPE OF PUMP DECON FLUIDS USED TUBING PUMP BLADDER MATERIALS EQUIPMENT USED	
	SUBMERSIBLE DEBONIZED WATER TEFLON TUBING PYC PUMP MATERIAL PID	
	NTRIC ACID HIPPE TUBING TEFLON DLADDER TURB, METER	
	V OTHER OTHER OTHER OTHER	
	ANALYTICAL PARAMETERS OTHER OTHER OF THE OTHER O	
	PARAMETER METHOD FIELD PRESERVATION VOLUME SAMPLE QC SAMPLE BOTTLE ID NUMBER FILTERED METHOD REQUIRED COLLECTED COLLECTED NUMBERS	
,	VOCS 8260 N HCL 4°C 3x40ml 4	
}	PURGE OBSERVATIONS SKETCHMOTES N	
	PURGE WATER VEC NO NUMBER OF GALLONS	
	NO. PURGE METHOD VIKE NO. (Fyou purged approximately I standing behave prior	alanda. Salah
	OTILIZED to sampling ormt. for diffessmaple feespiert.	101
	Sampler Signature: The O And Print Nome: Thomas D. London	
.	2 - 2/1- 1/2 / 2	
ŀ		
	LOW FLOW GROUNDWATER SAMPLING RECORD	
	NYSDEC QUALITY ASSURANCE PROJECT PLAN 511 Congress Sirect, Portinud Maine U4101	

1				LOW	FLOW GRO	UNDWA	TER SAMPI	LING RE	:ORD		
		PROJECT NAME	nond Cl	/			CATION ID		5-8°	13	
		PROJECT NUMBI	ER			STA	CAW-OK	7	END TIME		
			- <i>(())) (</i> 91. <i>(</i>		PLE TIME	SiŤ	0725 Enamemumber	·	/6 4/3	>	
	l	DCG	SW 6141	201388 10	245		DIAmed C	Clevery	OF		
	WELL DIAM	IETER (INCHES)		2 4	□ 6]8	OTHER				WELL INTEGRITY YES NO N/A
	TUBING ID (1/8		1/2	5/8	OTHER			CAP CASING LOCKED	
		ENT POINT (MP)		RISER (TOR)	TOP OF CASING		OTHER			COLLAR	= = ·
	INITIAL D' (BMP)	10.	63 FT	FINAL DTW (BMP)			OT. CASING CKUP (AGS)	Fus	4 FT	TOC/TOR DIFFERENCE	-0.45 FT
tistoric	WELL DEP (BMP)	14c	g FT	SCREEN LENGTH		FT AM	BIENT AIR	0.0	РРМ	REFILL TIME SETTING	R SEC
	WATER COLUMN	4.1		DRAWDOWN VOLUME	TW X well diam, square	GAL MO) WELL		РРМ	DISCHARGE TIMER SETTI	ING SEC
	CALCULA'	16,000	GAL	TOTAL VOL, PURGED		GAL TO	AWDOWN/ TAL PURGED			PRESSURE TO PUMP	PSI
		vell diameter squared AMETERS WITH P			al minutes X 0.00026 ga	ıl/mL)					
	TIME 3-5 Minutes	DTW (F1) 0.0-0.33 ft Drawdown	PURGERATE . (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm)	pH (units) (+/- 0.1 units)	DISS, O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) REDOX (mv)	INTAKE	COMMENTS
	0739	BEGIN PURG	ING @		(+/- 3%)	<u> </u>	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	(, , , , , , , , , , , , , , , , , , ,	DEPTH (f)	
		W.	ell ou	rus dra	- conit	been	un a/	piny	1	2/09	Bottom
		-50 d	econtar	g come	back w	in -	the day	10	collect	00	
		5AM	ples				đ				
	0758		full.	J1 51	e (well	ļ					
				01	<i>'</i>						
	1045	Katur	n + Co,	Vect Sa	mpte	,,,-					
						·					
			*					 			
			,					-			
								-		<u> </u>	
		FI	YAL STABILIZ	ED FIELD PARA	METERS (to app	.l ropriste sigr	ificant figures(S		<u>l.</u>	COND.: 3 SF max	gree (ex. 10.1 × 10) (ex. 1333 × 3330, 0.696 × 0,696)
			NIA					<u></u>		pH: nearest tenth (o DO; nearest tenth (o TURB: 1 SF max.)	ex. 5.51 = 5.5) ex. 3.51 = 3.5) nearest tenth (6.19 = 6.2; 101 = 101)
	1 2	DOCUMENTATIO			<u> </u>	.l	<u> </u>	<u> </u>		OHP:2 SF(#4.1 =	44, 194 - 196)
	▼ PERIST	TYPE OF PUMP TALTIC ERSIBLE		ECON ELUIDS USED QUINOX EIONIZED WATER	SILICONT	UBING		EL PUMP MATE	JAI	WE MET	EQUIPMENT USED .
	ncado	DER	PC PC	TABLE WATER	TEFLON L	NED TUBING	GEOPE	UMP MATERIAL ROBE SCREEN IN BLADDER		WQ MET	
	WATTE OTHER	\	HI AL	ENANE ETHANOL	LDPE TUB		OTHE	R		PUMP	
	ANALYTICA	AL PARAMETERS		THER	OTHER		OTHE	R		FILTERS	NOTYPE
	 [7]	PARAME 1/0C	TER - (метнод NUMBER 8260 С	.	I ME	THOD RE	OLUME EQUIRED	SAMPLE	COLLECTED	SAMPLE BOTTLE ID NUMBERS
			<u> </u>	06606	, ,		<u>د (</u> 3	x 40mc			
								-			
	DUDGE OSS	SERVATIONS		. —							
	PURGE OSS PLINGE WAT CONTAINER	TER YR	ř	NUMBER OF CALL	. DN2	^s	KETCH/NOTES	Maria Curan		15/	
	VOLTAINEE NOLPTIRGE ! UTILIZED	-	· —.		ately f atunding volunte p	rior atlan.	19	*2.0	cw-of4	3	
	0	72-5	77,7		yan Jor		11		0)		512 ST. N
	Sampler Sign: Checked By:	TDL	10		21-13	/_	<u> </u>			E	子
	1111 N	T A	, 1-10 halles			L		<u>.</u> ,			FIGURE 4.17
	511 Congre	ess street, Portland	L E	<u> </u>		•					NDWATER SAMPLING RECORD IY ASSURANCE PROJECT PLAN

				- 10 C 11	VILOW GRO	UKUMA	TANKS SAMILE	PRIVE RELEASE	OKU.	1	
		PROJECT NAME	is a clean	 NEM &		LO	CATION ID MW-06	DA DA	TE 5-7	~ (2	1
		PROJECT NUMB	ER 12209.07			STA	ART TIME	EN	D 1113.192		,
		SAMPLEID		SAA	IPLE TIME		14:50 Ename/number	PA	16:0	<u> </u>	NO BOLTS TO
	· [DOWN	00112013	<u> </u>	5:55	D	Mamourb Cl	easers	or Or	1	STEEL CIVER
	l	IETER (INCHES)		12 = 4	[6 []8 [] отнек			ርለኮ	YES NO NA
	TUBING ID (_ / _	1/4 3/8			OTHER			CASING	<u> </u>
	MEASUREM INITIAL D	ENT POINT (MP)		FRISER (TOR)	TOP OF CASING		OTHER			COLLAR	
	(BMP)	''' <u>[]</u>	10 FT	FINAL DTW (BMP)	12.19		OT, CASING CKUP (AGS)	PLUSH	to to	TOC/TOR DIFFERENCE	
	WELL DEP (BMP)	TII 23	,50 FT	screen Length	,	FT AM	DIENT AIR	NA	РРМ	Refill timi Setting	ER SEC
	WATER COLUMN	11.	4 FT	DRAWDOWN VOLUME	0.015	GAL MO	WELL Dutk	NA	PPM	DISCHARGE TIMER SETT	
	CALCULA"	TED [.8	7 GAL	(inhial DTW- final D' TOTAL VOL. PURGED	TW X well diam, squared		AWDOWN/	0.0055		PRESSURE	WHILE I
	(column X w	ell dioneter squared	d X 0.041)	(mL per minute X tota	al minutes X 0,00026 gol UA (AS LISTED IN T	l/mL)	TAL PURGED	2.0250		TO PUMP	P\$1
	TIME	DIW (F1) 0,0-0,33 ft	PURGERATE	TEMP, (°C)	UA (AS LISTED IN TH SP. CONDUCTANCE (mS/cm)	pfi (units)	DISS, O ₂ (mg/L)	TURBIDITY (nm	RBDOX (mv)	PUMP	
	3-5 Minutes 1500	Daydown BEGIN PURG	ING (D)	(+/- 3 degrees)	(HIS/CHI) (4/- 3%)	(+/-0.1 units)		(+/- 10% <10 ntp)	(+/- 10 mv)	INTAKE DEPTH (0)	COMMENTS
,	15.10	12.19	200	14.57	0.636	7.21	3.60	2101	71.3	3 up	10 1
	15:15	12.19	200	14.35	0.644	7.30	3.63	61.4	68.8	3'up	off bottom
	15:20	12.19	200	14.25	0.662	7.19	2.25	29.8	65.3		
	15:25	12.19	200	14.22	0.710	7.19	1.93	23.7-	61.3		
5:35	16-05	12.19	200	14.13	0.787	7.18	1.70	15.8	57.0		15:35 77ine
TOL	15:40	12.19	200	13.66	0.803	7.18	1.72	15.2	57.1		100-000-000-00
	15:45	12.59	200	13.85	0.821	7.17	1.47	13.8	56.7		
	15:48	13.19	250	13.65	0.834	7.17	1.42	12.8	56.5		
	15:51	12.19	250	13.86	0.834	7.14	1.40	10.5	53.8		1
	15:55	5 Anyle	2								
		FI	TIT OTTABLE TO		- *************************************	<u> </u>	<u> </u>			TEXTP, megresi de	grev (ax. 10,1 = {0})
	720077777	1:11	AUTOTABILITY	TED LINED CVIVA	METERS (to appr				<u> </u>	CONDAD SF max plf: searest lends (o DO: nearest lends ()	(ec. 33) = 3330, 0.006 = 0.006) ex. 5.53 = 5.5) ex. 5.41 = 3.51 lexerst (epit) (6.19 = 6.2, 10) = 101) -44, 191 = 190
	EQUIPMENT	DOCUMENTATIO	in	17	0.834	7.2	1.4	10.5	56	TURU: 3 SP mag. (ORF: 3 SP (44.1 -	ncervas (cuth (6.19 a 6.2, 10) = 101) 44, 101 - 190)
	PERIST		LIK LIK	ECON FLUIDS USED QUINOX	SILICON TU	BINO	JMP BLADOBR MATI	Brials L pump Material		WL MET	EQUIPMENT USED
	SUBME BLADDI		DE PO	EIONIZED WATER DTABLE WATER	THELON TUI	BINO IED TUBINO	DEOPRO DEOPRO	hip material Obe screen	•	PID WQ MET	TUR
	VATE OTER	RA Geo Puny	HE	ITRIC ACID EXANB ETHANOL	LDPE TUBIN DTHER		OTHER			TURB. M PUMP	ISTER
	Li ornar,	L PARAMETERS		THER	OTHER		OTHER			OTHER PILTERS	NO. TYPE
		PARAME		METHOD	FIELD FILTSKED	PRESER	VATION YO	OLUMB S QUIRED CO	SAMPLE .	COLLECTED OC	SAMPLE BOTTLE D NUMBIRS
	14	VOC5		82600		. Hel.		40ml _	Y_	(Parente	NUMBIRS
										— ———————————————————————————————————	
	,										
	H:			· · · · · · · · · · · · · · · · · · ·							-
						-					
	PURGE OBSI	ID VES	NO.	NUMBEROKOALLO	DNS 22,7	SK-	CETCHINOTES	\ /	- B.WW.	-00(Ņ
	CONTAINER!		NO	OENERATED 17 yes proped approaching	eing canalter guillents I yes	_	BENGAN	25	Jan Jest		1
ŀ	UTILIZED	1	<u> </u>	to sumblying or	_mL for this sample locati	lens	DEMAN	" THE	CHOWALE	l	1
	Smapler Stanat	and had	1. Tunke	Priot Name;	Thomas D. Lo	malu	1	24. /r		Truam	
	Checked By	Z-20	203	Date: 5/2		77			1	l''''	C. BLOK. (GONE)
Ì	1111	A A	V7171777				Electe 1	<u></u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·	FIGURE 4.17
	511 Congres	Street, Portland	TE(- mell	lack, sus pa	ended	Crecimo v	WC.	LOW FL NYSD	OW GROUN EC QUALIT	NDWATER SAMPLING RECORD YV ASSURANCE PROJECT PLAN

			LOW	FLOW GRO	UNDWA	I'ER SAMPI	ING RECO	ORD .		
	PROJECTNAME	MA PL	ean eas	, , , , , , , , , , , , , , , , , , , ,	LOC	CATIONID	DAT	5 ~ 2	7 ~ "	
	PROJECT NUMB	ER		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	six	MW-00	ENI	TIME,	, 1 Jan	
	CAMPIE ID	12.09.02	1013	IPLE TIME	Siris	. 1043c	PAC	// ; G	<u>15</u>	
	DCMW	0021301	388	11:40		DIAMMI a		f or	<u>.</u> j.	
WELL DIAN	vietur (inches)	السا العا	12 134	[] ₆ [78	OTHER				WELL INTEGRITY YES NO N/A
DI ONIBUT	(INCHES)		114 1 3/8		15/8	OTHER			CAP CASING	YES NO N/A
MEASUREN	IENT POINT (MP)	_ /-	RISER (TOR)	TOP OF CASING		OTHER			LOCKED	* = =
INITIAL D	TW /		FINAL DTW	,		OT, CASING			TOCHOR	
(DMF)		. 22 _{FT}	(BMP)	12.25		CKUP (AGS)	FLUKH	_FT	DIFFERENCI	2 2.5 FT
WELL DE: (OMP)	PTII 22	1. (PT	SCREEN LENGTII	٦,	DIA THE	DIENT AIR	8.0	РРМ	REFILL TIME SETTING	ER SEC
WATER	\[\tag{11}	88	DRAWDOWN	0,005		WELL			DISCHARGE	
COLUMN		FI	VOLUME (initial DTY- final D	TW X well diam, square	<u>GAL</u> MO1 d X 0,041)	หาน	0.0	PPM	TIMER SETT	
CYFCOFY	10	75 GAL	TOTAL VOL. PURGED	· VJ.8	GAL TOT	MYDOWN/ FAL PURGED	0.0019	3	PRESSURE TO PUMP	PSI
	well diameter squared AMETERS WITH			al minutes X 0.00026 go UA (AS LISTED IN TE	l/mL)		*	-,- ,, , , , , , , , , , , , , , , , , 		191
TIME	0.0-0,33 ft	PURGERATE	TEMP. (°C)	St. CONDUCTANCE (mS/cm)	pH (units)	DISS, O2 (mg/L)	TURBIDITY (nk)		PUMP	COLA
3-5 Minutes 10139	Drewdown	. (mL/mln) BING (∂. ⊅	(+/- 3 degrees)	(+1-3%)	(+/-0.1 units)	(+/- 10%)	(+/- 10% <10 mtu)	(+/- 10 mv)	DEPTH (0)	COMMENTS
<u> </u>		· · · · · ·		, <u></u>	7		· · · · ·	1	100	<u> </u>
10:48	13.25	200	12.26	1.011	7.15	0.83	53.2	90.2	301/	botto m
10:55	12.25	700	12.20	1.010	7.14	0.48	37.8	85.2		
11:00	12.25	200	12.30	1.005	7.16	D.38	26.0	87.0		
11310	12.35	350	12.23	1.609	7.16	0.83*	18.0	86.0		LAST TRUEGO OF BAH #
11:15	13.25	200	12.32	1,008	7.14	0.35	12.9	83.0		
11:25	12.25	300	12.35	1.008	7.13	0.30	8.86	78.6		
11:30	12.25	210	12.33	1.009	7.13	0.27	6.00	77.1		
11:83	12.25	200	12.38	1.008	7.13	0.25	6.85	75.6		
SAMO	le - car	1 Time	@ //:40						'	
						, , , , , , , ,	,			
L	F()	VAL STABILIZ	CED FIELD PARA	AMETERS (to appr	ropriate sign!	ficant figures(SI	F])		COND.: 3 SF max	sero (cr. 10.1 - 10) (cr. 3313 = 3330,0,006 = 0,090) cr. 553 - 5.5) (cr. 3,51 - 3,5)
			12	1.01	7.1	0,3	6.9	76	DO: nearest tenth (TUKB: 3 SF alax	CC. 5.3.1 = 3.5) (CC. 3.51 = 3.5) (CC. 3.51 = 3.5) (CC. 3.51 = 3.5) (CC. 3.51 = 1.50)
1 -	DOCUMENTATIO		,- _,	(10)		1		170	ORP: 2 SF 144.1 -	(44, 191 × (90)
PERIST	T <u>ype of Pump</u> Paltic Ersid l e	V 1	ECON FLUIDS USBD IQUÍNOX EIONIZED WATER	SILICON TO TEFLON TO	סאומו		L PUMP MATERIAL		VL MIT	<u>HOUIPMENT USED</u> FOR
DI.ADE	DER	P	DTABLE WATER ITRICACID		DNIBUT GBN	QEOPRI	MP MATERIAL ODB SCREEN		PID WQ ME	TER
WATTE	Geopung		exane Ethanol	LDPE TURN OTHER		OTHER			PUMP	HETHR
	AL PARAMETERS		THER	OTHER_		OTHER OTHER	*****		OTHER PILTER	NO. TYPE
ANALITICA	AMARAN AMARAME		истнор Метнор	FIELD	PRESER	VATION V	OLUME S	AMPLE	COLUBOTED	SAMPLE BOTTLE ID
· 🗹	Vecs		82403	FILTERED	HCL,		Yow Co	LLECTED Y	COLLECTED	NUMBERS
	<u>\</u>									
	$\overline{}$				·					
					·				-	
				`\				•		
PINGE One	ERVATIONS		<u> </u>		, , , , , , , , , , , , , , , , , , , ,	Complete and		 	-	
PLIRAS WAT	rne ves	<u>να</u>	NUMBER OF GALL	ans ~2.8	(SETCH/NOTES	/&;/			and The
CONTAINED		· —	OENERVIED	ataly 1 aparallag sedana pi		you x	Z	UP	المستوافق	C.
UTILIZED	<u> </u>		to smapling or	inL for this sample beca	niun.	mar f	The section is	\ \	-	- NO 6 - NO 60 -
Smart - O	J. H.	11/	رم الا مين	Thomas M. L.	, i	and	£ /,"	. / .	Ŵ,	Contract of the second
Sampler Signa		- Al	7	homes D. h	78.9	and the same	* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	'`\\	4	•
Checked By:	KZZ	/2)	Date: 5/2	2/17		4	[N	1	*	
MIN	ΛΔΈ	TT				11		LOW F	LOW GROU	FIGURE 4.17 NDWATER SAMPLING RECORD
	↑ Т Т Т Т Т		<u>ب</u> .			San San San San San San San San San San				TY ASSURANCE PROJECT PLAN

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	<u> </u>		LOW	FLOW GRO	DUNDWA	ER SAMP				
	PROJECT NAME	ous clas	ANTAG		LOC	MW-00	DAT	5-7	12	
	PROJECT NUMB	EIŁ			STA	RTTIME (2:50	ENI	TIME 1 7	+ -/	
	SAMPLEID	7113209	SAM	PLE TIME	SIT	12:50	PAC	12	,50	
	LOCMY	1003120	13XX	13:45		DIAMONE		₹ OF	1	
MECT DIVV	heter (inches)		12. 🖂 1	□ 6 □	3	отнек				WELL INTEGRITY YES NO N/A
TUBINGID	(INCHES)	[] 1/8	1/4	☐ 1/2 ☐	5/8	отнек			CAP CASING	-
MEASUREA	AENT POINT (MP)	TOP OF	RISER (TOR)	TOP OF CASI	(TOC)	OTHER			LOCKBD COLLAR	
INITIAL D (BMP)	M. MARIN	45 PT	FINAL DTW (DMP)	11.5		ot. Casing Ckup (AGS)	FLUSH	Ft	TOC/TOR DIFFERENCE	е — 0,4 _{гт}
WELL DEI (BAIP)	24	1.00 FT	SCREEN LENGTH	Vigor al annual and	FT AMI	BIENTAIR	NA.	PPM	refill tim setting	ER SEC
WATER COLUMN	12.	.55 _{FT}	DRAWDOWN VOLUME	0.004	GAL MO	WELL UTII	NA	PPM	DISCHARGE TIMER SETT	
CALCULA	TED 2.	OG GAL	(initial DTW- final DT TOTAL VOL. PURGED	rw X well djuin, squa ・ ~ う. 8	אַממי	WDOWN/	0.0029		PRESSURE	
(column X v	woll disnoter square	1 X 0.041)	(mL per miante X tota	l minutes X 0.00026	gal/mt.)	AL PURGED	0.00		TO PUMP	. PSI
TIME	AMETERS WITH DIW(F1) 0.0-0.33 R	PURGE RATE	TEMP, (°C)	SP. CONDUCTANO	THE QAPP)	DISS, O ₂ (ing/L)	TURBIDITY (nin)	REDOX (mu)	PUMP	
3-5 Minutes	Drawdown	. (mL/mln)	(+7-3 degrees)	(mS/cm) (+/-3%)	(+/-0.1 units)	(+/- (0%)	(+/- 10% <10 ntu)		DEPTH (0)	COMMENTS
12:59	BEGIN PURC			one/min				T'	1-2	,
/3:08	11.50	230	12.45	1.127	6.82	3.00	21.6	100.1	4 up	FROM BITTOM
13:15	11.50	230	12.46	1.078	6.91	1.95	/3.3	89.5		
13:20	11.51	230	12.30	1.061	6.88	1.55	11.2	89.4	10011	
13:25	11.50	230	12.39	1.043	6.93	1.78	10.6	92.8		
13:30	11.50	2.30	12.07	1.036	6.96	1.16	7.40	85.4		
18:35	11.50	230	12.03	1.032	4.96	1.10	6.07	81.4	·	
<u> </u>	·	130	12.15	1.026	6.98	1.15	5.37	78.2	-	
13:45	SAMPL	e.							ļ	
	-	ļ,			- 			<u> </u>		
			ļ		ļ ``	*****	ļ	 	<u> </u>	
	:	NAL STARILIS	J SED FIELD PARA	METERS (to on	nronelata elani	Cannt Caured (2)	PIN .	<u></u>	TRAINA (segrent d	logicator, 10.1 - 107 2 x (ex. 1313 - 3330, 0.696 = 0.696)
			T			iicant uguresjar	r	10	dicel temper : [1] DO: nearest (end)	(ex. 3.53 = 5.5) (ex. 3.51 = 3.5)
EQUIVATENT	DOCUMENTATIO	אס	12	1.03	7.0	1.2	5.4	78	ORFET SF (44.1	, nearest lenth (6.19 = 6.7, 101 = 101) = 44, 191 = 190)
PERIST	TYPE OF PUMP.	I L	ECON FLUIDS USED	SILICON	TUBING/PU	MP BLADDER MAT	<u>erials</u> L pump material		TEN WE MB	EQUIPMENT USED
BUADE	ERSIÐLE	DI ma	EIONIZED WATER OTABLE WATER	TEFLON	TUBINO LINED TUBINO	PVC PU	INP MATERIAL OBB SCREEN		PID	
WÄTTE	ERA G GOPung	N	itric açid Exanb	LDPB TU	BING		N BLADDER		TURB, I	
	`		ETHANOL THER	OTHER_		OTHER OTHER			OTHER EILTER	
ANALYTICA	al parameters Parami		METHOD NUMBER	FIELD	PRESER	VATION V	OLUME S	AMPLB		
	VOC		8560В	FILTERE	u a Mei	HOD RE	OLUME S QUIRED CO (43 red	LECTED	COLLECTE	SAMPLE BOTTLE ID NUMBERS
							101001	 		
- `	/		<u> </u>			<u> </u>	•			
				· · · · · · · · · · · · · · · · · · ·						
PURGE ONS	SERVATIONS				T et.	ETCHANOTES:				
CONTAINED	rna <u>ve</u>	אַהַ אַ	NUMBER OF GALL	ONS 23,8	51	N TENTONINOTES	\$ / Z	WM ÷ D	03	4 /1
MUTITION I			QENERATED 17 yes, purged approaches	italy Latentilling column	Lulat	*	To the state of th	1304		
1/(10)280		0	to sampling or	ur this sample to	peation,	†	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			300
Sampler Signs	and the i	V. July	L Print Name: 7	Tomas D.	hory Pez		ノッー	E. 5	LST.	
Checked By:	22	25	Date: 57/2	2/17	, ,	-		A PARTY NAMED IN COLUMN		15
11117	N A	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u> </u>	· -/						FIGURE 4.1
	VIAC	ノL上(ا آ					LOW F	LOW GROU DEC QUALL	INDWATER SAMPLING RECORD TY ASSURANCE PROJECT PLAI

			LOW	FLOW GRO	UNDWA	TER SAMP	LING RECO)RD	J. Maria	
	PROJECT NAME		1		Loc	DI KOITA:	, DY.	re .		1
	PROJECT NUMB	end Cl	laners		STA	MW-6		O TIATO	8-13	RIO ROLTS
	36/3// SAMPLE ID	2309.03				0845		10	10	700
	Demi	v 00412		D'OO	SIT	E NAME/NUMBE	R PA	GE / OF	1	PLOBOLTS FOR EOVER TOP - SUMFFACE WATER WELLINTONIETY / 55CLE
WELLDIAN	IETER (INCHES)		1 2		18 (<u></u>	Lordien	, <u>',</u> _,			MONDO DATE OFFICE A TELESCOPE
TUBINGID			114 3/8		15/8] Отнек] отнек			CAP	YES NO NIA HERE
1	LENT POINT (MP)		FRISER (TOR)	TOP OF CASING		OTHER			CASING	
INITIALD	mult.	-	FINAL DTV	12.10		ot. Casing			COLLAR	
(BMP)	1/.3	18 PT	(BMP)	18.10		CKUP (AGS)	.FLush	FT	DIFFERENCE	T 6.3 FT
(DAIP)	PTII	J - FT	SCREEN LENGTH		PID FT ANI	BIENT AIR	0.0	РРМ	REFILL TIME SETTING	ER SEC
WATER	9.6	<u>1</u>	DRAWDOWN	0.085		WELL	0.0		DISCHARGE	
COLUMN	'		VOLUME (initial DTW- final D	TW X well diam, square	d X 0.041)	UTH,	0.0	РРМ	TIMER SETT	ING SEC
OALIYOL	well diameter squared	S OAL	TOTAL VOL.	14.1	GAL TOT	NYDOYW/ IAL PURGED	0.0007	·	Pressure To pump	PSI
	AMETERS WITH F		ILIZATION CRITER	a) minutes X 0.00026 ga IA (AS LISTED IN Y	ie Qappi				_	
TIME 3-5 Minutes	0.0-0.33 R	PUROERATE (mL/min)	TEMP, (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm)	pti (units) (+/-0,1 units)	DISS, O ₂ (mg/L)	TURBIDITY (ntu		INTAKE	COMMENTS
0854	BEGIN PURG	L		(+/.3%)	ALL THE BOILS)	(+/- 10%)	(+/- 10% <10 ntu)	(+/- 10 mv)	DEPTH (A)	
0900	12.03	220	11.49	0.553	7.13	7.15	39.1	90.4	3 un	1 / / /
0910	19:11	250	11.26	0.582	7.19	5.33	27.8	87.2	2 Up	from porton
0920	12.18	250	11.28	0.638	7.10	4.54	18.0	85.5		<u> </u>
0930	12.20	250	11.32	0.656	7.20	4.16	12.4	83.0	icate.	
0935	11.12	250	11.17	0.633	7,31	4.15	15.2	 		/*3 *24 ==*
0940	11.23	250	11.33	0.680	1.01	4.16	13.3	83.4	-	12.31 <u>Y</u>
0945	12.21	.250	11.38	0.690	7.31	3.95		82.8	<u> </u>	10.04 %
0950	12-21,	250	11.37	0.698	7.21.		7.50	81.4		
0955	12.10	250	11.49	0-706	7.21	3.51	4.34	79.4		
0958	12:10	250	11.53	0.717	7.32	3.49	5.43	76.3		
10:00	41 44	wele.			, ,	-3-7/	-2014 9	14.7		
			ZED FIELD PARA	METERS (to appr	opriate signi	lficant figuresis		1	TEATE, nearest de	Spec (cx. U.1 * (U)
'11			12	0.72	7.2	20	5.4	76	pffincarest leads (gree (cs. 10.1 * (0) (cc. 1333 * 3130, 0 6/6 * 6.6/6) (cc. 1331 * 3.5) (cs. 3.51 * 3.5)
	DOCUMENTATIO	, N	10.	District	1.0	2.5	J. J. J	170	DRT; 2 SF (44)	remest tenth (6.19 = 62, 101 = 101) -44, 101 - 190)
PERIST	TYPE OF PUNIP ALTIC	نز [22]	RECON FLUIDS USED IQUINOX	SILICONTU	IBINO	MPBLADDER MAT	<u>ierials</u> El punip material		TO WE MET	EQUIPMENT USED
BLADE	ERSIBLE Der	[P	BIONIZED WATER OTABLE WATER		ONIBUT CEN		JMP MATERIAL OBB SCREEN		PID WOME	TGR
WATTI OTHER	Geogue		ntric acid Iexanb Iethanol	LUPATUBI		ОТИВН			TURB, N	HITER
OTHER	AL PARAMETERS		THER	OTHER OTHER		OTHER			OTHUR PILTER	S NO. OF TYPE
7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7	PARAME	TER	METHOD NUMBER	FIELD		V MOITAV	OLUME S	AMPLE	COLLECTED	Sample Bottle ID
<u> </u>	VOCS		8260 B	PILTERED	H ČE		iquiken co x 40 m R	FFECTED	COLERCIED	NUMBERS
	4		* :							
			h	· · · · · · · · · · · · · · · · · · ·	•	 ,				
										
					,					
	ERVATIONS		75		Si	CETCH/NOTES				
CONLVINEL		וֹ אַמ	QENERATEO .	ONG 241		N	/		LA FORMU DC	p. f
NO-PHROF N UTILIZED			If your games of appropriate	inty I standing volume pri int. for this sample form	ur tion.	1	` 	BERTON	. , DC	chand
	10	0 -1 1	· · · · · · · · · · · · · · · · · · ·	A the transfer that		T FBLOW	4.12	A T	min	
Sampler Sign	oture) (V. dufly	Print Name:	Popus D. Lo	yles	1300		124		
Checked By:	R,0	753	Date: 5	22/13	•	Ww.	T A Pale	1	\	
1111 K	/	1 Lak Lakel	~ Coll	ect Dup	+M54	M40 /	2 VIMS	<u> </u>		FIGURE 4.17
	MAL	LL	آ با	χρ.∞ 	M3.	MD	~ · · · · · · · · · · · · · · · · · · ·	. POME		NDWATER SAMPLING RECORD FY ASSURANCE PROJECT PLAN
'511 Congre	ss Street, Portland	Maine 04 (U)	<u> </u>							The second secon

X D. J

				LOV	FLOW GRO	OMDAVA	THE PROPERTY OF	NING KING	WD :			
	-	PROJECT NAME	nond Cl	# 4 aud		roc	CATION ID	DAT		<u> </u>		
		PROJECT NUMB	CER			STA	IRT TIME		5-7-1	140		
		SANTPLE (D	13-09.02	SAS	TPLE TIME	Sir	E NAME/NUMBER	EAC	19	-: 40		
		DCW/	M 0061301	3XX	12:35		, , , , , , , , , , , , , , , , , , , ,	; r.c.	or or			
	WELLDIAM	ETER (INCIIES)			<u></u>	78 .	OTHER				Well integrity Yeş no	
	TUBING ID (I	Inches)	1/8 \[\bullet	31/4 3/8		5/8	OTHER.	,		CAP CASING		N/A
	MEASUREM	ENT POINT (MP)	TOPO	RISER (TOR)	TOP OF CASING	(TOC)	OTHER	*****		LOCKED		
	incrial DT	riv 9	uu	FINAL DTW	9.21	PRO	OT. CASING	72, /		TOC/TOR		
	(BMP)		TT FT	(BAIP)	1,-11	<u> </u>	CKUP (AGS)	Frush	FT	DIFFERENCE	M	C FT
	(BMP)	Ti /9	.5 FT	Screen Length		P10 ET A811	DIENT AIR	NA.	ГРМ	REFILL TIME SETTING	R	SEC
	WATER COLUMN	10.	06 FT	DRAWDOWN	0.044		WELL	NA		DISCHARGE		
	CALCULAT	-/	VO FT	VOLUME (initial DTW- final D TOTAL VOL,	TW X well dlam, square	d X 0,041)	UTII	-	PPM]	TIMER SETT	סא	SEC
	CALIVOL	ell diameter squares	45 GAL	PURGED	~4.6	GAL TO T	(WDOWN) FAL PURGED	· 0,0096		PRESSURE TO PUMP		PSI
		METERS WITH		LIZATION CRITE	al minutes X 0,00026 ga NA (AS LISTED IN T	ie Qapp)	 					
-	TIME 3-5 Minutes	0.0-0,33 n	PURGE RATE . (mL/min)	TEMP, (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm)	pil (units) (+/- 0.1 units)	DISS. O ₂ (mg/L)	TURDIDITY (ntu)	REDOX (mv)	PUMP INTAKE	COMA	SENTS
***	11.44	BEGIN PURC		122 Tue	(+/-3%)	<u> </u>	(+/- (0%)	(+/- 10% <10 ntu)	(+7- 10 mV)	DEPTH (R)		
	11:30	91.69	230	12.91	1.361	7.33	4.00	1	100	41000	a d was	(A) (A) (A)
	//:35	9.71	260	12.83	1.274	7.26	1.95	51.5	43.5	4 06	# BOLTOM	(9.69 0.
	19:46	9.35	260	12.81	1.360	7.02	1.05	31.7	60.1		# .	
-	11:50	9.72	240	12.83	1.438	7.21	0,89	21.2	54.0		A spud	on pung
١	/1155	9.73	240	12.91	1.487			21.3				
i	13-105	9.14	240	13.09	1.543	7.19	0.69	15.2	48.9			
Ì	12:15	9.71	240	13.18	1.577	7.16	6.49	7.82	54.0		74	7
ľ	12:20	9.31	240	15.29	1.590	7.13	0.45	7.30	52.2		240 mL	mun Ruke
-	12:18	9.71	240	13.21	1.599	7.14	0.46	5.77				
1	12:30	9.71	240	13.16	1.610	7.10	0.42	5.43	59.0	ســ	* .	******
Ì	12:35	SAMP		. /- (4)	7,0.5	7.70		3775	57.8			
.	10-10-0			ED FIELD PARA	AMETERS (to appr	onriata signi	 figure flourese 9	L.	l	TEXTE : nearest deg	nea (ex. 10,1 = 10)	
				13	- A .	A /	· · · · · · · · · · · · · · · · · · ·		59.8	pile neurest teach (or Differencest teach (or	(v) (24, 10, 1 = 10) (41, 13) = 1330, (1,676 = 0, 1, 5,51 = 5,5) (2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	.06)
-	EQUIPMENT D	OCUMENTATIO	N N	12.	1.61	11	0.4	5.4	ــــــــــــــــــــــــــــــــــــــ	TUIU);) SP 1151, 11 ORP; 2 SF (44,1 = 4	eurest tenth (6.19 = 6.2, 10) 14, 191 = 1901	. = 101)
	PERISTA	YPE <u>OFPUNIP</u> NUTIC		ECON FLUIDS USED QUINOX	SILICONTU	<u>TÜBİNG-PU</u>	IMP BLADDER MAT	erials L pump material	60	WLMET	BOULPMENT USED	
1	\$UBLIEF DLADDE		₹ 101	PIONIZED WATER OTABLE WATER	TEPLON TU	DNIED TUBING	PYC PU	IMP MATERIAL OBE SCREEN		MO VIEL		
	WATTER	"Geopung	NI	TRICACID ' IXANE	LOPE TUBIL	NO:		N BLADDER		TURD, MI		
	L OTHER		0:	ETHANOL THER	OTHER OTHER		OTHER DYNER			OTHER EILTERS	NO. TYP	
	ANALYTICA	LPARAMETERS PARAME		METHOD	FIELD	PRESER	V KOITAV	OLUME S	AMPLE	OC.		OTTLE ID
1	×	Vocs		8240B	√ karalaneo	Hei	нов — кв <i>L 4'с Зх</i>	QUIRED COL	Ample Lected 4°S	COLLECTED	NUM	ineira ineira
		Para Cia				- <u> </u>					^	· , , , , , , , , , , , , , , , , , , ,
					· · · · · · · · · · · · · · · · · · ·							
	<u></u>	· · · · · · · · · · · · · · · · · · ·		**************************************			·					
		_		<u> </u>								
-	PURGE OBSE	ERVATIONS					traini to the training of the				-	
	PURGR WATE	ir <u>vis</u>	Nº (NUMBER OF CALL	one 24.6	515	KETCH/NOTES		^	Muroco //	1.1	
	CONTAINER!			OENERATED	ntely I atministry volvency pri		٨	Turk Var		_ (** @//	1 V	
- 1	UTILIZED	17	I D	to sampling or	int. for this sample loca	tion,	4			ΛM	1 LATE	57,
-		F1 F1					ı	Y 51	AVS /		' 1	
-	Sampler Simon	und III	0 7	A Print Names	Thomas 10 L	mle.		1 /	أ المناء	T 181 1	f	
	Sampler Signal	und the	d. dy	Print Name: Dale:	Thomas D. L	myly		1 /	CONTRACT			

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			LOW	FLOW GRO	UNDWAT	TER SAMPI	LING RECO	RD		
	PROJECT NAME	t t			LOC	ATION ID	Z DAT			
	PROJECT NUMB	<u>rd (1-ee</u> Er	aners.	****	STA	NW-00		5/7//	3	
,	SAMPLE ID	1211320		LE TINIE		1451	<u> </u>	. 15	25	
	DCMWOO	7/20/32			(<u>5</u>)	NAME/NUMBER	PAG	e of	/	
1	IETER (INCHES)		ار الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد الاراد ال		18	OTHER	······································	,		WELL INTEGRITY
TUBING ID (<i>i</i>] 5/8 []		Maut		CAP	AEP NO NV
	IENT POINT (MP)		RISER (TOR)			OTHER	**************************************		CASING LOCKED COLLAR	差 二 二
INITIAL DI		, , , , , , , , , , , , , , , , , , ,	FINAL DTW	TOP OF GASING		OT. CASING	Gimi		TOC/TOR	*
(BMP)	1/2.	/O FT	(BMP)	12.12		CKUP (AGS)	FLUSH	FT	DIFFERENCE	FT
WELL DEP (BMP)	TH Z	Z FT	SCREEN LENGTH			DIENTAIR	0.0	РРМ	REFILL TIME SETTING	SR SEC
WATER	9.	9 FT	DRAWDOWN VOLUME (initial DTW- final DT	O.0032	FID GAL MOI 4 X 0,041)	WELL UTH	0.0	РРМ	DISCHARGE TIMER SETTI	ING SEC
T .	vell diameter squared		TOTAL YOL. PURGED (mL per minute X tota	l minutes X 0.00026 ga	GAL TOT UmL)	WDOWN/ FAL PURGED	0.0015		Pressure To pump	PSI
	METERS WITH I		ILIZATION CRITER	A (AS LISTED IN TE SP. CONDUCTANCE	T		7	·	I PUSAV I	
TIME 3-5 Minutes	0.0-0.33 R Drawdown	PURGE RATE . (mL/min)	TEMP, (°C) (+/- 3 degrees)	(mS/cm) (+/- 3*4)	pH (units) (+/+0.1 units)	DI\$S. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTR (A)	COMMENTS
1451	BEGIN PURC	GING	······································		<u> </u>			l	L PARTIN (III)	16
1457	12.12	250	16.07	1,310	6.94	10.70	23.38	44.1	7	
1502	12.12	250	15,04	1.293	6.73	3.65	15,01	43.2		
1507	17.12	250	121,94	1,300	10.80	3.46	7.99	37.0		
1512	17.17	250	14,70	1302	1. 79	7 44	3.82	37.2		
1517	17 12	250	1450	1.300	1 79	2 / 1	2.68	35.0	 	10400
1570	17.12	250	1437	1,303	1.71	3,68	7 7-1	20 1	- \	Coller Sample
1523	17 17	250	11138	1,303	1 29	3 18	0.38	7/-1	 \	1011115
	121.00		1 4 60	ر ت را	10.7	3,60	0.30	33,0	,	V Collect Salsinger
	****	<u> </u>	 		<u> </u>		 			
							<u> </u>	<u> </u>		
					1					
	FII	I Nalistabili	L ZED FIELD PARA	METERS (to anni	roncisto signi		171)		TEMP: nearest de	gree (cst. 10.1 = 10)
ļ			<i>j Ll</i>		i opriate aigni	meant rigures [5			pll; nearest tenth (e DO; nearest tenth (c	(ex. 333) = 3310, 0.696 = 0.696) ex. 553 = 5.5) ex. 3.51 = 3.5)
EQUIPMENT	DOCUMENTATIO	ON .	17.	1,30	1.8	3.7	0.4	33	TURB; 3 SP 1123, 1 ORF: 3 SP (44.1 =	neurost tenth (6.19 = 6,2, 101 = 101) 44, 197 = 1961
PERIST,	TYPE OF PUMP		ECON FLUIDS USED	SILICONTI	TUBING-PU	JMP BLADDER MAT	<u>TERIALS</u> EL PUNP MATERIAL		WL MET	EQUIPMENT USED
SUBME	RSIBLE		EIONIZED WATER OTABLE WATER	TEFLON TO		PVCP	EL PUNIV NA LERIAL UMP MATERIAL ROBE SCREEN		PID	
WATTE		🔲 н	ITRIC ACID EXANE	HDPE TURE	NG		N BLADDER		TURD. M	
OTHER OTHER		\ \	ETHANOL THER	OTHER		ОТНЕ	3		OTHER	NO. V TYPE
ANALYTICA	AL PARAMETERS		METHOD	FIELD	BDDCCCD			A L LDT T		
	PARAME VOC		*260	FILTERED	MEI	ной кі	EQUIRED COL	AMPLE LECTED	COLLECTED	SAMPLE BOTTLE ID NUMBERS
1 1			8000			رد	ryome _	7		
			•							. —
I										
H	$\overline{}$					·				
			•			<u> </u>				·
PURGE OBS	ERVATIONS	C. NO.	NICH IN MARKET	1. G~ 200	SI	KETCHNOTES			·	***************************************
CONTAINER	UZED Z	Î	NUMBERATED			150/		S	_^	N
NG-PLINGE N UTILIZED	иетноп ун		to sampling or	roly 1 atunding volunto pe int. for this sample loca	ior Mon.	15%	/ ww/	۲۷۱ سبسسر	NON	\
Sumpler Signa	125	09-1) 1	Jan Jor	مدي	SCHURAMIN .	Onw-	1 my	Notice /	上 午
Checked By:	TOL		Print Name 2	21-13	/ .	/.	3 \ \	\ <u>_</u>		y 1
#/N	ЛAC	TE	$\overline{\mathbb{C}}$							FIGURE 4,17 NOWATER SAMPLING RECORD
511 Congres	ss Street, Portland	d Maine U4 IUI	<u> </u>			i.,.		NYSI	DEC QUALIT	TY ASSURANCE PROJECT PLAN

<u>, , , , , , , , , , , , , , , , , , , </u>	LOW	FLOW GROUND	WATER SAMP	LING RECORD	
PROJECT NAME	C1		LOCATION ID MW.C	DATE	
Dramond PROJECT NUMBER	12112209.02		START TIME	END TIME	
SANIPLE ID		IPLE TIME	SITE NAME/NUMBER	PAGE 14	75
DCMW008	5/20/3XX	1416		OF	. /
WELL DIAMETER (INCHES)	□1 1 1 1 2 □ 4	[] 6 [] 8	OTHER		WELL INTEGRITY YES NO N/A
TUBING ID (INCHES)	€1/8 🗹 1/4 🗀 3/8	1/2 5/8	OTHER		CAP CASINO
MEASUREMENT POINT (MP)	TOP OF RISER (TOR)	TOPOF CATING (TOC)	OTHER		LOCKED = =
INITIAL DTW 11.4	FINAL DTW (BMP)	1150	PROT. CASING	FLUGIA IT	TOC/TOR
		1(,2° FT	STICKUP (AGS) PID) Stort FT	DIFFERENCE FT REFILL TIMER
(DAIP) ZZ	FT LENGTH	FT	AMBIENT AIR	РРМ	SETTING SEC
WATER COLUMN /O.C	DRAWDOWN VOLUME	0.0082 GAL	PID WELL MOUTH	PPM	DISCHARGE TIMER SETTING SEC
CALCULATED 1 -	7 TOTAL VOL.	TW X well diam. squared X 0.0	DRAWDOWN/	0.0035	PRESSURE
(column X well diameter squared X		tal minutes X 0.00026 gal/(nL)	TOTAL PURGED		TO PUMP PSI
FIELD PARAMETERS WITH PROTIME DIW (F1)	OGRAM STABILIZATION CRITE PUROE RATE TEMP, (°C)	SP. CONDUCTANCE	PP) units) DISS. O ₂ (mg/L)	TURBIDITY (ntu) REDOX (m.	A PUMP
3-5 Minutes 0.0-0.33 ft Drawdown	(mL/min) (+/- 3 degrees)	(mR/ons) PA	1 units) (+/+ 10%)	(+/- 10% <10 ntu) (+/- 10 my	MTAKE COMMENTS
328 BEGIN PURGIN	 -	1		3	
/-3-/-/ 	200 14.10	0.893 6.7		69.14 40,4	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200 13,58	0.899 67		11.78 37.0	
777	200 13.80	0.888 6	81 1.88	3.86 40.1	. \
1 / 1	200 3.68		87 1,42	2.06317	
1353 1/.60	200 3,52	0.864 60	80 1.13	0.84 40.5	
	200 13.65	0.859 6.	87 (.08	1.26 32.9	·
	200 3,46	100	86 1.08	5.67 278	<u> </u>
72	200 13.45		85 0.84	2.54 23,0	
	700 13.46	0.837 6	86 0.79	1.86 24.1	
1412 11,50	200 13.44	0.837 6	82 0.77	1,38 29.9	
Division in the second					TEMP: nearest degree (ex. 10.1 = 10)
FINA	AL STABILIZED FIELD PAR	1	te significant figures (S	7	TEMP.; nearest degree (ex. 10.1 = 10) COND.: 3 SF max (ex. 1333 = 1330, 0.095 × 0.096) pH: nearest tenth (ex. 5.53 = 5.5) IO: nearest tenth (ex. 3.51 = 7.5)
EQUIPMENT DOCUMENTATION	13	0.837 6	80,8	1,4 30	TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) O(t): 2 SE(44.1 = 44, 191 = 190)
TYPE OF PUMP	DECON FLUIDS USED		DING PUMP BLADDER MA	TERIALS .	EOUIPMENT USED
PERISTALTIC SUBMERSIBLE BLAODER	LIQUINOX DEIONIZED WATER POTABLE WATER	SILICON TUBING TEFLON TUBING	PVC P	el punip material Unip material	WL METER PID
WATTERA	NITRIC ACID HEXANE	TEFLON LINED TO HDPE TUBING LDPE TUBING		ROBE SCREEN ON BLADDER	WQ METER TURB. METER
OTHER	NIETHANOL OTHER	OTHEROTHER	отне	R	PUMP OTHER
ANALYTICAL PARAMETERS			VIETURE IN THE SECOND S		the state of the s
PARAMETE VOC	NUMBER NUMBER	l filitered	METHOD R	OLUME SAMPLE COLLECTED	QC SAMPLE BOTTLE ID NUMBERS
	1.40	<u> </u>	H-CC 2)	Mome Y	
		***************************************		,	
PURGE OBSERVATIONS PURGE WATER YEX CONTAINERIZED	NUMBER OF GAL	LONS ~J.3	SKETCH/NOTES	1 1///	
NO-PURGE METHOD YES	GENERATED	nately 1 attanding enture print	/ 7	\$ 0 mw-00	8
DTILIZED	to sampling or	utl. for this sample location.	_ \	Mw-or	
Sampler Signature:	Print Name:	Ryan Din	() \	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	1
TDL		· 21-13		1 2 /	
Checked By:	Date: 5	41.0		\ '\	FIGURE 4.1
MAC	TEC				FLOW GROUNDWATER SAMPLING RECOR
				NYS	SDEC QUALITY ASSURANCE PROJECT PLAI

			LOW	FLOW GRO	DUNDWA'	TER SAMPI	LING RECO	ORD	gad a kan N	
	PROJECT NAME) (Ammel	Classe		1.00	MW-009	DA	TE 5-1	-3013	
	IPROJECT NUMB	ER			STA	RTTIME	ENI	TIME /		
	S3MPLE III	112304.0	le is i	PLE TIME	SiT	(0:10 Ename/number	R PAG		1:00	
	DCMWO	10912013X	(<u>X</u> /	0155	,	. ~~		OF	1	
WELL DIAN	HETER (INCHES)		12: 🖂 4	□6 □	□R □	OTHER				WELL INTEGRITY YES NO N/A
TUBINGID	(INCHES)	□ 1/8]1/4	1/2,	5/8	OTHER	··		CAP CASING	-
MEASUREN	tent point (Mip)	TOP OF	riser (tor) [TOP OF CASIN	10 (тос)	OTHER	9		Locked Collar	7 = =
initial d (BMP)	//.	go pt	FINAL DTW (BMP)	11.81		DT. CASING CKUP (AGS)	FLUSH	FT	TOC/FOR	~0.6 FT
WELL DEI (DMP)	PTII 20	.S FT	Screen Lengtii	Special Section 11.	FT AM	MENT AIR	NA	PPM	Repul Time Setting	ER SEC
WATER COLUMN	9	,00 H	DRAWDOWN VOLUME (Initial DTW- final DT	FW X well diam, soun	GAL MO	WELL	NA	РРМ	DISCHARGE TIMER SETT	ING SEC
CALCULA GAL/YOL (column X v		48 OAL	TOTAL VOL. PURGED (mL per minute X tota	~2.8	GAL TOT	(IYDOYN) Fal Purged			PRESSURE TO PUMP	PSI
	AMETERS WITH DIW (F1)		ILIZATION CRITER		THE QAPP)					
TIME 3-5 Minutes	0.0-0.33 ft Drawdown	PURGERATE . (mDmin)	TEMP, (°C) (+/- 3 degrees)	(mS/cm) (+/- 3%)	(+/- 0.1 units)	DI\$\$. O ₂ (mg/L) (+/- 10%)	TURBIDITY (plu) (+/- 10% <10 ntu)		NTAKE DEPTH (0)	COMMENTS
10:16	BEGIN PURC		50 - Howe				· · · · · · · · · · · · · · · · · · ·		1 24-11-107	
10:25	11.81	250	11.41	0.775	6.98	2.73	4.44.	74.8	3/46	bettom
10:30	11.81	250	11.44	0.801	7.01	3.27	2.61	75.0	_00	
10:35	11.81	250	11.39	0.822	7.03	1.90	1,63	68.9	_	
10:40	.11.81	250	11.41	0.847	7.05	1.49	1.31	66.1	===	
10:45	11.81	250	11.39	0.869	7.06	1.34	0.82	63.1	س.	
10:50	11.81	250	11.89	0.876	7.06	1.52	0.64	63.3		
10:53	(1.8)	250	11.42	0.885	7.07	1-80	0.55	61.0	·	
10:55	5Ample						Vertice			
<u> </u>										
	<u></u>	 		 -		·	ļ	ļ		
· · · · · ·		<u> </u>						<u>.</u> .	****************************	
ļ	<u> </u>	NALSTABILIZ	CED FIELD PARA				F[)	·····	COND.: 3 SP max pll; nearest teath (o DO: records teath (gee (ex. 10.1 = 10) (ex. 1313 = 1330, 0.696 = (1.696) ex. 5.53 = 5.5)
EOUPMENT	DOCUMENTATIO	10	<u> </u>	0.885	17.1	1.3	0.5	61	TUILB: 3 SF mas, 1 ORP: 2 SP (44.1 =	ez. 3.51 = 3.53 herrest kenlis (6,19 = 6.1, 101 = 101) 43, 191 = 190)
/ :	TYPE OF PULIP	DI	ECON PLUIDS USED		TUBINOPL	JMP BLADDER MAT				EQUIPMENT USED
	FALTIC ERSIBLE DER	D.	QUINOX BIONIZED WATER OTABLE WATER	SILICON TEPLON T	TUDINO	. D PVC PU	ILPUMP MATERIAL IMP MATERIAL		WL MET	
WATTE	RRA	N	EXANE LILIC VCID	HDPE TU		TEFLO	obe screen N bladder		WQ MB1	
OTHER OTHER	Glopus	<u>р</u> м	GTHANOL THER	OTHER_	PING.	OTHER OTHER OTHER			PUMP	
	AL PARAMETERS		METHOD	FIELD	his curp				FILTERS	
X	TCC UOA		NUMBER 8260B	PICTERE	D WE	HOD KE	OLOME S QUIRED CO	AMPLE LLECTED	COLFECTED	SAMPLE BOTTLE ID NUMBERS
					-			· · · · · · · · · · · · · · · · · · ·		
										. ——
	~	7								
			·		<u></u>					
PURGE OBS	SERVATIONS				a l'si	CETCH/NOTES		***************************************	·····	
PURGE WAT ÇONTAINED			NUMBERATED	DNG 23.8	<u>G.</u>	1	115	-\	OF The	MM-009
NO.PTIROPE UTILIZED			If you purpoil approaches	ely I monding submus mL for this sample to		N BA	Lowful /	\ _	-7 \	/ Dickinson
	M	1. Z/1.		Themas D.		4	· 4/./	图		St.
Sumpler Signs Checked By:	23	237	Print Name; U	22/13	0.7	ţ	\			
1111 N	NAC	V 1-16-11-11-11	~~					:		FIGURE 4.17
S11 Congre	SS Street, Portland	I Manne 04101	Ŭ .			·		LOW F	LOW GROU DEC QUALIT	NDWATER SAMPLING RECORE TY ASSURANCE PROJECT PLAN

			LOV	FLOW GRO	UNDWA	LER SAMP	ANG RECO	RD	1.	
	PROJECT NAME	iorid Cle	andra.		LOC	CATION ID	DAT	E5-7.	-1,52]
	10001007 8008 0	100			STA	ART TIME	RND		15	-
İ	SAMPLE ID	-1122 09		TPLE CINE	SIT	E NAME/NUMBER	PAC		00	
		10 (2013)	<u> </u>	16:50		AMOND CLE		or	7	
WELLDIN	METER (INCHES)	□ : ©	S2,4	6	78	отнеп				WELL INTEGRITY
TUBING ID	(INCHES)	1/8	1/4 3/8		5/8	OTHER			CAP CASINO	YES NO NIA
MEASUREA	Ment Point (MP)	TOPOL	RISER (TOR)	TOP OF CASING] отнек	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		LOCKED	
MITIALE	NTY WIT	- 12 cm	FENAL DTW	12.42	PRO	OT, CASING	151.11		TOCATOR	
(Byth)	PTII 🔼		(BMP) SCREEN	10,70	FT STIC	CKUP (AGS)	Flush	FT	DIFFERENC	
(4149)	1.	70 m	LENGTH		FT AMI	DIENT AIR		PPM	REFILL TIM SETTING	SEC
WATER COLUMN	9.	35 PT	DRAWDOWK VOLUME	0.011	CAL MOS	WELL UTH	**************************************	PPM	DISCHARGE TIMER SETT	
CALCULA		<u></u>	JOV JATOT	TW X well dlam, square	DRA	ANYDONYA	0.005	_	PRESSURE	0,50
	well diameter squared		PURGED (mL per minute X to)	al minules X 0.00026 ga	nl/(nf.)	tal furged	0.005		TO PUMP	PSI
FIELD PAR TIME	AMETERS WITH DIW(Ft) 0.0-0.33 R	PROGRAM STAB		RIA (AS LISTED IN TI		1			. PUMP	7
3-5 Minutes	0,0-0,33 ft Drawdown	. (mL/min)	TEMP. (°C) (+/- 3 degrees)	(mS/cm) (4/- 3%)) pH (units) (4/- 0.1 units)	DISS, Q ₂ (mg/L) (+/- 10%)	TURBIDITY (nju) (+/- 10% <f0 ntu)<="" td=""><td></td><td>INTAKE</td><td>. COMMENTS</td></f0>		INTAKE	. COMMENTS
16:14	BEGIN PURC		50 mL/m	r)Li		·			1 Darm (III)	
16:18	12.41	250	11.70	0.727	7.18	8.00	15.0	97.8	3 up	M bottom
16125	13.41	250	11.58	0.733	7.19	5.75	13.5	87.7		16
16:30	12.42	250	11.16	0.735	7.19	5.52	10.00	82.0		, , , , , , , , , , , , , , , , , , ,
16:35	12.42	300	11.00	0.735	7.19	5.44	9.7.3	78.2		
16:40	12.42	270	10.99	0.736	7.19	3.2353		75.5		5.37 D.o. /6.29
16:45	12.42	270	11:01	0.738	7.20	5.21	5.49	72.4		3.00 3.0.
16:50	Sample									· · · · · · · · · · · · · · · · · · ·
1										
3					-					
1,1,1	1							****	-	
	1		**************************************						·	,
	FII	NAL STABILIZ	ED FIELD PARA	METERS (to appo	ropriate signi	Meant figures SF	· · · · · · · · · · · · · · · · · · ·		TEMPEDERS &	1 (ex. 133) = 3110 0 696 = 0 696)
			11	0.738	77	5.2	5,5	72	plic nearest toute (DO: nearest tenth ((ex. 333 = 330, 0.006 = 0.006) (ex. 3.53 = 5.5) (ex. 3.51 = 3.5)
EQUIPMENT	DOCUMENTATIO	N		0 r - 1 7 m	ריף דיף [2,7	70	ORF 2 SF (44.1	nestert leigh (6.19 = 6.2, 101 = 101) -44, 191 = 190)
1	<u>TYPU OPPUNIP</u> PALTIC	U LI	ECON FLUIDS USED QUINOX	SILICONTU	JBINO	IMP BLADDER MATE	<u>irials</u> L Pump Material,			
PERIST		DF TOP	IONIZRO (YATER		INDIA				I WLMB	EQUIPAIENT USED TER
PERIST	ersible Der	PC PC	TABLE WATER		NED TUBINO		MP MATERIAL DBB SCREEN	•	PID WO ME	TBR
V. PERIST	DER	PO NI	TABLE WATER TRIC ACID EXANE	TEFLON LI) HDP8 TUBB	NED TUBING ING	TEFLON OTHER	MP MATERIAL DBB SCREEN PBLADDER	,	PID WQ ME TURB, N	TER
PERIST SUBSITE SUBSTITUTE SUBST	BELA GESPUND	PO NI SE	TABLE WATER TRIC ACID	TEFLON LI)	NED TUBING ING	TEFLON	MP MATERIAL DBB SCREEN PBLADDER		PID WQ ME TURB. N	TER SETER
PERIST SUBSITE SUBSTITUTE SUBST	BELL GENELMAN	PO NI HE MI OT	OTABLE WATER TRIC ACID EXANE BTHANOL THER	TEFLON LIN HOPE TUBE LOPE TUBE OTHER OTHER	NED TUBING ING NG PRESEIN	DEOPRO	MP MATERIAL DBB SCREEN P BLADDER	MPLB	PID WQ ME TURB. N PUMP OTHER PICTER	TER TER S NO. TYPE
PERIST SUBSITE SUBSTITUTE SUBST	DER BEA CEASUMP ALPARAMETERS	PO NI HE MI OT	OTABLE WATER TRIC ACID EXANE . BTHANOL	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	NED TUBING ING NG PRESEIN	CVATION VC	MP MATERIAL DBB SCREEN PBLADDER DLUME SA JUIREO COL	MPLB LECTED	PID WQ ME TURB, M PUMP OTHER	TER TER S NO. TYPE
WATTI OTHER ANALYTIC	DER BEA COSUMO ALPARAMETERS PARAME	PO NI HE MI OT	DTABLE WATER TRIC ACID EXAND ETHANOL THER METHOD NUMBER	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	NED TUBING ING NG NG PRESEIK	CVATION VC	MP MATERIAL DBB SCREEN P BLADDER	MPLE LECTED	PID WQ ME TURB. N PUMP OTHER PICTER	TER TER S NO. TYPE
WATTI OTHER ANALYTIC.	DER BEA COSUMO ALPARAMETERS PARAME	PO NI HE MI OT	DTABLE WATER TRIC ACID EXAND ETHANOL THER METHOD NUMBER	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	NED TUBING ING NG NG PRESEIK	CVATION VC	MP MATERIAL DBB SCREEN PBLADDER DLUME SA JUIREO COL	MPLE	PID WQ ME TURB. N PUMP OTHER PICTER	TER TER S NO. TYPE
WATTI OTHER ANALYTIC	DER BEA COSUMO ALPARAMETERS PARAME	PO NI HE MI OT	DTABLE WATER TRIC ACID EXAND ETHANOL THER METHOD NUMBER	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	NED TUBING ING NG NG PRESEIK	CVATION VC	MP MATERIAL DBB SCREEN PBLADDER DLUME SA JUIREO COL	MPLB LECTED	PID WQ ME TURB. N PUMP OTHER PICTER	TER TER S NO. TYPE
WATTI OTHER ANALYTIC	DER BEA COSUMO ALPARAMETERS PARAME	PO NI HE MI OT	DTABLE WATER TRIC ACID EXAND ETHANOL THER METHOD NUMBER	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	NED TUBING ING NG NG PRESEIK	CVATION VC	MP MATERIAL DBB SCREEN PBLADDER DLUME SA JUIREO COL	AMPLE LECTED	PID WQ ME TURB. N PUMP OTHER PICTER	TER TER S NO. TYPE
V. PERIST SUBMITED THE BEAUTION OF THE BEAUTIO	BEA GENTURY AL PARAMETERS PARAME VOCS	PO NI HE MI OT	DTABLE WATER TRIC ACID EXAND ETHANOL THER METHOD NUMBER	TEFLON LIN HOPS TUST LOPB TUST OTHER OTHER FIELD FIGURES	PRESER MEE	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL		PID WQ ME TURB. N FUMP OTHER PILTER	TER TER S NO. TYPE
PERSIS SUBMINES SUBMI	BERVATIONS	PO NIL IN IN IN IN IN IN IN IN IN IN IN IN IN	NAME WATER TRIC ACID XANE. STHANOL SHEET OF GALL.	TEFLON LI HOPE TUDE OTHER OTHER FIELD FILTERED	PRESERT HELL	CVATION VC	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL		PID WQ ME TURB. N FUMP OTHER PILTER	TER HETER S NO. TYPE SAMPLE BOTTLE ID NUMBERS
VERISION SUBMINISTRATION OF THE STANALYTIC.	BEAL CASUMAN AL PARAMETERS PARAME V DC 3 BERNATIONS FOR RISED	Pro NI II II II II II II II II II II II II	NAME WATER TRIC ACID XANE STHANOL STHANOL HER METHOD NUMBER ### ACID NUMBER NUMBER NUMBER NUMBER PROPRIEM NUMBER NUMBER RETHOD	TEFLON LINE HOPE TUDE OTHER OTHER FIELD FILTERED	PRESERT HELL	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL		PID WQ ME TURB. N FUMP OTHER PILTER	TER TER S NO. TYPE SAMPLE BOTTLE ID NUMBERS
PERSIS SUBMINER SUBMI	AL PARAMETERS PARAME VOCS SERVATIONS TOR NIZED	PC PC PC PC PC PC PC PC PC PC PC PC PC P	NAME WATER TRIC ACID XANE STHANOL STHANOL HER METHOD NUMBER ### ACID NUMBER NUMBER NUMBER NUMBER PROPRIEM NUMBER NUMBER RETHOD	TEFLON LI HOPE TUDE OTHER OTHER FIELD FILTERED	PRESEIK MET LE SK	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL	AMPLE LECTED DG. Ach DM D.C.	PID WQ ME TURB. N FUMP OTHER PILTER	TER TER S NO. TYPE SAMPLE BOTTLE ID NUMBERS BENTAMIN ST. POMMER
PURGE OF PLINES WAS ANALYTIC.	BERVATIONS TOTAL SERVATIONS TOTAL METHOD ME	PC PC PC PC PC PC PC PC PC PC PC PC PC P	NAMER WATER TRIC ACID XANE. STHANOL THER METHOD NOMBER PLOOP NUMBER NUMBER OF GALL GENERATED If you, propol approximation to sampling or	TEFLON LI HOPE TUDE OTHER OTHER FILL FILL FILTERED AND A J J	PRESERT HELL	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL		PID WQ ME TURB. N FUMP OTHER PILTER	TER TER SET NO. TYPE SAMPLE BOTTLE ID NUMBERS BENTAMIN ST. Pomer D.C.
PURGE OBS PLINGS WAT	BERVATIONS TOTAL SERVATIONS TOTAL METHOD ME	PC PC PC PC PC PC PC PC PC PC PC PC PC P	NABLE WATER TRIC ACID XANE STHANOL THER METHOD NOMBER 83608	TEFLON LI LOPE TUDE OTHER OTHER FIGURE FIGURE ONLY AND LAMBER TEFLON LI AND LAMBER TO THER FIGURE AND LAMBER THE LOPE LI AND LAMBER	PRESERT HELL	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	NEMATERIAL DEBESCREEN PLANTE SAN PLANTE SAN PLANTE COLUME SAN PLANTE COLUME SAN PLANTE S		PID WQ ME TURB. N FUMP OTHER PILTER	TER TER S NO. TYPE SAMPLE BOTTLE ID NUMBERS BENTAMIN ST. POMMER
PURGE OPE PURGE	BERVATIONS TOTAL SERVATIONS TOTAL METHOD ME	PC PC PC PC PC PC PC PC PC PC PC PC PC P	NAMER WATER TRIC ACID XANE. STHANOL THER METHOD NOMBER PLOOP NUMBER NUMBER OF GALL GENERATED If you, propol approximation to sampling or	TEFLON LI HOPE TUDE OTHER OTHER FILL FILL FILTERED AND A J J	PRESERT HELL	GEOPRE OTHER OTHER OTHER OTHER SYATION GREEN GRE	MP MATERIAL DIBATERIAL DIBATERIAL DIBATERIAL DILUME SA JURED COL		PID WQ ME TURB. N FUMP OTHER PILTER	TER TER SET NO. TYPE SAMPLE BOTTLE ID NUMBERS BENTAMIN ST. Pomer D.C.

	LOW FLOW GROUNDWATER SAMPLING RECORD	
	PROJECT NAME Region + Dry Clearers Grouped Asso. PROJECT NUMBER 3612 1132 07.02 STARTTIME 1340 14/9	
	SAMPLE ID SAMPLE TIME SITE NAME NUMBER PAGE OF (
	WELL INCHES) 1 4 6 8 OTHER YES NO N/A	
	TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER CASING	
	MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASHNO-TOG) OTHER COLLAR	
	(BMP) 14.4 FT FINAL DTW (BMP) 14.64 FT STICKUP (AGS) Flysh FT TOCTOR DIFFERENCE FT	
	WELL DEPTH 21.96 FT SCREEN PID REFILL TIMER SETTING SEC	
	WATER COLUMN 7.55 FT DRAWDOWN VOLUME 0.039 GAL MOUTH 6,0 FPM TIMER SETTING SEC	
	(initial DTW-final DTW X well diam. squared X 0.041) CALCULATED 1.7 H TOTAL VOL. 23.1 DRAWDOWN/ O. 18 PRESSURE	
	CALIVOL GAL PURGED GAL TOTAL PURGED TO PUMP PSI (column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL) FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)	
	TIME 3-5 Minutes DIW (+1)	
	1343 14.54 200 13.75 1163 5.43 9.78 16.78 2541	
4.62-	1343 14.54 200 13,75 1163 5.43 9.78 16.78 254,6 1	
• • • • • •	1353 14.63 200 12.59 1122 6.30 9.30 8.10 121.7	
	1358 14,63 200 12.62 1129 5.96 7.32 5.4) 136,4	
	1463 14,64 200 12.71 1131 5.71 7.04 2.71 153.3	
	1407 14.64 200 12.73 1129 5.81 7.36 3.6 (155.5	
	1413 141.64 200 12.71 1127 5.54 7.03 1.76 169.3	
	1419 14,64 200 12,58 1177 6,54 7,40 1.80 106.7 -Collect Samp	1.
		~
	FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF]) [TRME: nonexet despected. [0.1 + 10] [COND.: 3 Faux. (s. 1.33) + 3319, 0.06 = 0.000] [Uli nonext tendle (x. 5.53 - 5.5) [Di conexet tendle (x. 5.53 - 5.5) [Di conexet tendle (x. 5.53 - 5.5) [Uli nonext tendle (x. 5.53 -	
	15 72 50 6,0 7,9 1,80 // O ITERO 35 Fals, nonesticula(6,10) = 62, (01 = 101) O ITERO 35 Fals, nonesticula(6,10) = 62, (01 = 101) O ITERO 35 Fals, nonesticula(6,10) = 62, (01 = 101)	
	TYPE OF FUNIP DECON FLUIDS USED TUBING PUMP BLADDER MAYERIALS FERISTALTIC PERISTALTIC SILICON TUBING S. STEEL PUMP MATERIAL WE METER WE METER	
	POTABLE WATER TEFLON LINED TUBING GEOPRODE SCREEN WQ METER NITRIC ACID HDPE TUBING TEFLON DIADDER TUBE. METER	
	OTHER OTHER OTHER CTHER	
	OTHER OTHER OTHER OTHER OTHER OTHER OTHER FILTERS NO. TYPE ANALYTICAL PARAMETERS METHOD FIELD PRESERVATION VOLUME SAMPLE OC SAMPLE ROTTLE ID	
	PARAMETER METHOD FIELD PRESERVATION VOLUME SAMPLE QC SAMPLE BOTTLE ID NUMBER FILTERED METHOD REQUIRED COLLECTED COLLECTED NUMBERS	
		!
		ì
	PURGE OBSERVATIONS PURGE WATER VES NO NUMBER OF GALLONS ~ 3. SKETCHINOTES CONTAINERIZED SERVATED SERVATED SERVATED SERVED SERVATIONS	i
	NG-PIRGE METHOD YAS NOV	
	Sampler Signature: Print Name: Print Name:	
	Checked By: 1 DL Date: 5-31-13 LL	
	MACTEC LOW FLOW GROUNDWATER SAMPLING RECORD NYSDEC QUALITY ASSURANCE PROJECT PLAN	İ
	511 Congress Street, Portland Maine 04101	l

			LOW	FLOW GROU	UNDWAT	ER SAMPL	ING RECO	RD		
	PROJECT NAME				roc	ATION ID	DAT	E r- /-	7.	
	DIAM PROJECT NUMBER	PAND GE ER	EANERS		STA	ATMW-	COO (END	TIME .	+//3	
	SANIPLE ID	6121122	09.02	PLE TIME	eitri	748		83 c	2	
	ATMWO	01/201	3 × ×	836	3112	E NAME/NUMBER	PAG	OF	1	
WELL DIAN	HETER (INCHES)		7 12	6		OTHER			\	WELL INTEGRITY YES NO ,N/A
TUBING ID		ZZ 1/8 ☐	1/4 3/8			отнев			CAP CASING	*************************************
NIEASUREN	IENT POINT (MP)	7 .	FRISER (TOR)	TOP OF CASHO	- —	OTHER			LOCKED	₹ = =
INITIAL D	TW 14	.82 FT	FINAL DTW (BMP)	15.14	PRO	OT, CASING CKUP (AGS)	Fusil		TOC/TOR DIFFERENCE	- FT
WELL DEI	PTH 18	, 9 _{FT}	SCREEN LENGTH		O19				REFILL TIME SETTING	
WATER COLUMN	4,	08 FT	DRAWDOWN VOLUME	0.052	PID GAL NIOI	WELL UTH			DISCHARGE TIMER SETTI	
CALCULA GALAYOL		67 GAL	TOTAL VOL.	TW X well diam, squared 2.16	DRA	WDOWN	0.024		PRESSURE	
(column X v	well diameter squared	X 0,041)		al minutes X 0.00026 gal	1/mL)	TAL PURGED		<u> </u>	TO PUMP	PSI
TIME	DIW (FI) 0.0-0,33 ft	PURGE RATE		IA (AS LISTED IN THE	pH (units)	DISS, O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP	
3-5 Minutes	Drawdown	. (mL/min)	(+/- 3 degrees)	(m5/cm) (+/- 3%)	(+/-0.1 units)		(+/- 10% <10 ntu)		INTAKE DEPTH (A)	COMMENTS
748	BEGIN PURG	т.	112 01		17		1			
754	15.14	200	10.96	0,896	6,50	6.74	37.06	-1/64	16,5	
75"	15.14	200	10.93	0.923	6:51	0.23	29,83	-1061	16,5	
804	15.14	200	11.07	0,940	6,50	0.23	19.52	-102.9	16.5	
809	15.14	200	11.06	0,950	6.38	0.26	11,70	-85.0	16,5	
814	15,14	200	11.05	0.956	6.29	0.72	8.18	-72,0	16.5	
817	15.14	200	11.25	0.956	6.27	6.24	7.47	-87.9	16.5	4
820	15.14	200	11,31	0.959	6.27	0.23	6.28	-89.7	16.5	
823	15,14	200	11.34	0.960	6.26	0.19	4.23	-90.1	16.5	
826	15.14	700	11,33	0.962	6.31	0.17	3,94	-95.8	16.5	
829	15.14	200	11.29	0.965	6.25	0,16	2,89	-91,1	16.5	
	FII	NAL STABILI	ZED FIELD PARA	AMETERS (to appr	ropriate signi	ificant figures[Si	F])		TEMP: nearest deg COND.: 3 SF max ((mv (cs. 10.1 - 10) (cs. 33)3 = 3330, 0.696 = 0.696) zs. 3.53 = 3.5) zs. 3.51 = 3.5)
				0.965	6,3	0.2	2,9	-91	DO: nearest tenth (e	x, 3, 31 = 3, 5) extest lenth (6, 19 ± 6, 2, 101 = 101) 44, 191 = 190)
1	DOCUMENTATIO	. 1	DECON FLUIDS USED		TURING DE	UMP BLADDER MAT	COLLEC	13		
PERIST	TALTIC BRSIBLE	X3 ±	LIQUINOX DEIONIZED WATER	SILICON TO TEFLON TO	DBING	S. STEE	el Punip Niaterial Jaip Material		WL MET	EOUIPMENT USED ER
BLADE	DER	<u> </u>	POTABLE WATER NITRIC ACID		NED TUBING	GEOPR	OBE SCREEN N BLADDER	A	WO MET	
WATTI	R	,	HEXANE METHANOL	LOFE TUBII OTHER	NG	OTHER OTHER			PUMP	
ANALYTIC	R AL PARAMETERS		OTHER	OTHER_		OTHER			FILTERS	NO. TYPE
17	PARAME VOL		METHOD NUMBER	FICTERED		тноо ке	OLUME S. QUIRED COI X40mL	AMPLE LLECTED	COLLECTED OC	SAMPLE BOTTLE ID NUMBERS
		***	_ 8 C C C			<u> </u>	<u> </u>	-/	7.	· \
- `					,					
			·		 ′					
			Plant Vibra						•	· — — — —
PURGE OBS	SERVATIONS TER VE	מ אס	NUMBER OF GALL	ONE ~2.16	. \$1	KETCHNOTES	<u>-\</u>			7
CONTAINES NO.PUROF			OENERATED	nately I ntunding volume pe	4	A STATE OF THE PARTY OF THE PAR	FORET			
UTILIZED			to sampling or	mL for this sample for	ntion.	3 MOVIN F	`\	ATMIN.	001	7
Sampler Sign	ialure: R	90	Print Name;	yan Jor	rey!	\	1 /			ASSOC. BLUG.
Checked By:	IDL		Date: 5-3	11-13			1 1		//	1
#I	MAC	CTE	\mathbf{C}				•			FIGURE 4.1 NDWATER SAMPLING RECOR Y ASSURANCE PROJECT PLA
511 Congre	ess Street, Portland	d Maine 04 101	<u>.</u>						•	

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		<u> </u>		LOV	FLOW GRO	UNDWA	DR SAMP	ING RECO	ORD		4 1		
	 }	PROJECT NAME DIA		Lewers		1.00	ATMW-	OAT	¹⁸ 5-6-	12	.,	•	
•		PROJECT NUMB				STA	RTTIME 6:40		TIME 74	1 つ ¥o	1	o Bouts onor down	
		SAMPLE ID	0212013	ISAN	PLETIME 7:35	SIT	E NAME/NUMBER	PAC	JE ,	4		well cova	e.
						[<u>/*)</u>	ssoc. Tex	TILE	OF		 Well integ	DITY	
	TUBING ID	IETER (INCHES)		_]»	OTHER			CAP	YES.	10 · N/A	
		(Inchis) Ient Point (aip)	/	FRISER (TOR)] 5/8 [OTHER			LOCKED CYSING			
	INITIALD			PINAL DTV	TOP OF CASING		OTHER OT: Casing			COLLAR	. <u>~</u>		
	(BMP) WELL DE:		·30 FT	(BYIL)	14.91	FT STI	CKUP (AGS)	FLU51	FT	DIFFERENCE		0.6 FT	
	(DMP)	'" <u> ~(2</u>	, 20 FT	SCREEN LENGTII		TT AND	DEENT AIR	0,0	PPM	REFILL TIME SETTING	ER .	SUC	
	WATER COLUMN	4.	5 FT	DRAWDOWN VOLUME (initial DTW- final D	TW X well diam, square	OAL MO	Well Uth	0,0	РРМ	DISCHARGE TIMER SETT	ing	SEC	•
	CALCULA CALIVOL Column X v	roll diameter squared		TOTAL YOL PURGED), Cm.	GAL TO	MYDOMYN/ FAL PURGED	0.047		PRESSURE TO PUMP		PSI	
	FIELD PARA	METERS WITH	PROGRAM STAII	ILIZATION CRITE!	ol minutes X 0,00026 ga NA (AS LISTED IN T	HE QAPP)	M.,,,,,						
	TIME 3-5 Minutes	D1\Y (+1) 0.0-0.33 ft Drawdown	PUROBRATE . (ml/min)	TEMP, (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/-3%)	pH (units) (+/+ 0.1 units)	DISS, O ₂ (mg/L _i) (+/- 10%)	TURBIDITY (stp) (+/- 10% <10 atu)		INTAKE DEPTH (0)	. (COMMENTS	
	16:48	BEGIN PURC	ING 5 87	THETO 3	20 ml ~ 30	ented.	back 7	0 220	<u> </u>	DRATH (II)	l		
	16:55	14.95	220	12.43	0.720	6142	1.51	17.62	761.9	3-01	botto	m	_
	17:00	13 MAS	220	12.85	0.779	6.40	0.34	19.47	-70.3	- "	fine 3	glack feec	s
	17:05	14.95	220	12.65	0.881	6.44	0.32	4.65	-75,8		•		
	17:10	14.95	220	13.56	0,947	6.50	0.7-3	8.60	76.7				
70L	17:20	14.89	200	12.60	1 ares	6.60	0.12	5: 35%	77.7				
•	17:25	14.84	200	12.69	1.059	6.61	0.17	9.49	-77.2 -73.7		<u>, , , , , , , , , , , , , , , , , , , </u>		
	17430	14,91	210	12.53	1.110	6.60	0.26	7.86	-72.5				
	17:35	Sampl	4		7.7,7	1.02		7400	1,22.0	•			·
		4											_
		<u> </u>											
		FIT	VAL STABILIZ		METERS (to app	7	ficant figures[SI			TBMP2 nearest de COND.: 3 SP max pH rearest tenth (c DO) nearest tenth (gree (ex. 10,1 = 10) (ex. 133) = 3130, 0,0 xx. 5.57 = 5.51	596 = 0.696) ·	
	EQUIPMENT	DOCUMENTATIO	N	13	1.11	6.6	0.3	7.9	*73	DO: Rearest tenth (TURB: 3 SF (114.) = ORP: 2 SF (14.) =	ex. 3.5(= 3.5) ngaryst feuth (6.19 = 44, 191 = 140)	6.3, (01 = 101)	
		YPE OF PUNIP	10	ECON FLUIDS USED QUINOX	SILICONTI	TUBINO PU	MEDLADDER MAT	erials L Pump Material		~~~	EQUIPAIENT US	<u>BD</u>	-
		RSBLG	DE PO	BIONIZED WATER OTABLE WATER	TEFLONTA TEFLONIA	JBING NED TUBING	PYC PU	MP MATERIAL DBE SCREEN		VVI-MET PID AVQ NIET			-
	WATTE	Geopun	- HIT	ITRIC ACID EXANE ETHANOL	AÍDEE TUBI		OTHER			FUMP	STER		_
	OTHER	LPARAMETERS		THER	OTHER		OTHER OTHER			OTHER FILTERS	NO.	TYPE	-
	/	PARAME	TER	METHOD NUMBER	FIELD FILTERED	PRESER	, VATION VO HOD REA	OLUME S	TECLED	COLLECIMO	SAM	PLE BOTTLE ID NUMBERS	
		Voc		83605	<u> </u>				4—	-		1101101010	
						<u>, , , , , , , , , , , , , , , , , , , </u>					· /		-
													-
			_	V		-						\	-
		PRIVATEDNA											-
	PURGE OBS	FR YES	i i#i	NUMBER OF GALL	auc 27.1	SK	ETCHNOTES	11	Carried L	1 50	-prop		
	CONTAINED CONTAINED UTILIZED		·,	GENERATED (Cycle proceed approvation for controlling our	note t standing volume pr	in-	ATMW-	012		my father	γιοι <u>λ</u>	1	
		10	0.41	readmining of	_mt. for this sample loss	atton.		\	\ \\		\ 1	-	
	Sampler Sign	weether!	2. defly	Print Namo;	homs D. Lo =13 5/22/	nyly	BADWIN	ST.	1	BLOX	, .		
	Checked By:	F779.	<u>'</u>	Date: 5-6	43 5/22/	2			//				
	MIN	ЛÁС	TE	~ mu	577 "040"	FHEL D	POR	دوساديد ان	LOW FL	OW GROU	VDWATER 9	PIGURE	4.17
	511 Longre	sa Street, Portland	Maine 04.101	_ Looks	Like well	may me	THOURS /	n man.	NYSD	EC QUALIT	Y ASSURAN	CE PROJECT P	LAN

Lot of AIR BUABLES Comes up line

				•							
				LOV	W FLOW GRO	UNDWA	TER SAMPI	ING RECO	RD		
		PROJECT NAME	on Cler	~ ~ ~ ~		LO	CATION ID	DA7	5-6-1	2	
1		PROJECT NUMI	nd clear 12209.02	7			ATMW - O	ENI	TIME T		
		SAMPLE ID		SAA	AIPLE TIME		15130 E NAME/NUMBER		, ,	25	
		3. ATM	nw10031201	3 <i>k.</i> k	16:25	7	tssoc-tec	vile !	G OF		
ŀ		ietėr (inches)				×	отнак	d-************************************		CAP	WELLINTEGRITY YES NO NIA
	TUBING ID (_ / _	3/8	· Lorent · · · Lane	5/8	OTHER			CYSING	
		IENT POINT (AIP)		FRISER (TOR)	TOP OF CASINO		OTHER			COLLAR	
	(DMP)	1" L4	.6(_{FT}	Pinal DTW (BMP)	14.72	FT ST	OT. CASING CKUP (AGS)	Fluist.	PT	TOC/TOR DIFFERENCE	-0.35 F
Į,	(DMP)	¹⁷¹ [9]	40 FT	screen Length	. 2	PID FT ASI) Inient air	0.0	PPM	REFILL TIME SETTING	ER SB
	Water Column	5	.29 _{et}	DRAWDOWN YOLUME	0.018	GAL MO	WELL OUTH	0.0	PPM	DISCHARGE TIMER SETTI	ING SE
	CALCULA GAL/VOL	TED D.S	87 OAL	TOTAL VOL, PURGED	DTW X well diam, square	01X 0.041) DR/ OAL TO	ANYDONYN/ TAL PURGED	0.005		PRESSURE TO PUMP	PS
-		METERS WITH		ILIZATION CRETE	tal minutes X 0.00026 ga RIA (AS LASTED IN T	HE QAPP)				·	. , , , , , , , , , , , , , , , , , , ,
	TIME 3-5 Minutes	0.0-0.33 R	PUROERATE (mUmin)	TEMP, (°C) . (+/- 3 degrees)	(mS/cm)	pH (units) (+/- 0.1 units)	DISS, Q ₂ (mg/L) (+/- 10%)	TURBIDITY (niu) (+/- 10% <10 ntu)		PUMP INTAKE	COMMENTS
	15:35	BEGIN PURC	1	oml/min.	(+/- 3%)	(Travel mining	(41-10/0)	(T/+ LU/0 S JU HU)	(+/- 10 mv)	DEPTH (0)	
	15:45	14.71	300	11.20	6.443	6.48	5.54	24.36	1210	725,440	1. la #124
	15:55	14.12	300	1/_33	0.493	6.72	3.69	18.80	166.7		rm bottom
-	16:00	14.32	300	11.35	0.514	6.34	·	4.13			
1	16:05	14.72	300	11.33	0.532	1	3.27		164.1		
-	16:10	14-72	300	 	·	6.77	3.11	16.14	163.9	-	
+	16:15	11/22		11.38	0.536	6.80	3.05	1.52	163.7	nan	,
}	14:20	14.22	300	11.38	0.541	6.39	2.89	0.00	164,2	,	
t	•	Sample	(D) 16: 25		0.544	6.39	2.84	0.00	1648		
-	7) MINORITE	(D NO . D.		 	 				 	
T				 		·			-	 	
ľ						 		 			
•		Fil	NAL STABILIZ	L ZED FIELD PAR	AMETERS (to appr	ronciato sipu	iffeant flouresiSE	rı,	<u> </u>	TEMPA negrea des	
.	,		P	11 .	γ	6.8	T		1/.0	_ p l () treares) tenth (e. DO: neares) tenth (e.	2x, 3.53 = 3.5) ex, 3.51 = 1.11
Ē	EQUIPMENT	DOCUMENTATIO	Ñ	<u> </u>	0.544	6.0	7.8	0.00	160	TURB: 3 SP max, 11 (010): 2 SP (44.1 -	tearest teath (6.19 = 6.1, (0t = 101) 44, 191 = 190)
.	PERIST: SUBME		للاراف	DECON FLUIDS USED IQUINOX EIONIZED WATER	silicon ru	UDINO	UMP BLADDER MATE	L PUMP MATERIAL	•	WLMET	EOUIPMENT USEO ER
	BLADD		PC	OTABLE WATER UTRIC ACID	TEFLON TU TEFLON LIX HOPE TUDI	Ned Tuding	• GEOPRO	MP MATERIAL ODE SCREEN		A MO WEL	ER
- [WATTE	RA GEODAND	🗀 н	HXANE IETHANOL	LOPE TUBE	NG NG	OTHER			TURD, N	IBTER .
ļ.	OTHER]	L PARAMETERS	o	THER	OTHER_	······································	OTHER OTHER			OTHER PILTERS	NO. TYPE
		PARAME	ETER	METHOD NUMHER	r eiterd Betto	PRESER	RVATION VO	OLUME SA	AMPLE LLECTED	COLLEGIED	SAMPLE BOTTLE!
	2	VOCS	1 1	82600	3 1/1		11.4° 3x	401ml e		COLLECTED	NUMBERS
ĺ			·							·	
					<u> </u>	-			 -		·
					·						
			<u> </u>			-					
-	PURGE OBS	ERVATIONS	/- -				KETCH/NOTES				
	PURDE WAT	FR VES	N N	NUMBER OF SALL	LONE ~3.6	·	ik.	1	\ .	-ATM	W-003
	NORTHOPA		NO	If you proposed approach	mivly I standing enhance of	107	BALDWIN	, 1		7	AÈ
-	UTILIZED	۵ در		to sunspling or	nL for this sample inca	itiva	51:	111	# 40)	À
1	C101	Jame (1. Tale	Print Names T	hours D. Longle	84	-	116	// <i>\</i> }_		+
1	Sampler Stand										
	Sampler Signa Checked By:	72-2	7 -50	Dale; 5/2	11-	0		W 15-	R 1340	16.	-PROPA

				LOW	V FLOW GRO	UNDWAT	ER SAMPI	ANG RECO	RD'		
		PROJECT NAME	nord Clea	٠		ATMW - OBSY DATE 5-7-13					
		PROJECT MIMBI	ED				TMW - C	PNE	TIME		
		SAMPLE ID	1122 60	ISAA	APLETIME	Site	MANIEMUNIBER	•	8850		
		ATMW	1004120	713 XX 0	846		SSOC. TE.		OF		
W	/ELL DIAM	eter (inches]; 	, 🗀 6 🗀] 8 🗀	OTHER				WELL INTEGRITY YES NO N/A
TI	טו סאומט (INCHES)	/	1/4 3/8	U2] 5/8 · <u> </u>	OTHER			Cap Casing Locked	Z = =
- 1		ENT POINT (MP)	TOP OF	PRISER (TOR)	TOP OF CASING	(тос)	OTHER			COLLAR	ヹ ニ゙゠
	IN)TIAL D7 (BMP)	14.	.69 FT	FINAL DTW (UNIP)	14.77	FT STIC	t. Casing Ckup (AGS)	Flush	FT	TOC/TOR DIFFERENCE	
(WELL DEP (BMP) WATER	<u> </u>	,7 _{FT}	SCREEN LENGTH			DIENT AIR		PPM)	REFILL TIME SETTING	SEC SEC
(COLUMN	3.0		DRAWDOWN VOLUME (initial DTW- final D	O.O(5)	<u>GAL</u> MOI d X 0.041)				DISCHARGE TIMER SETTI	ING SEC
		rell diameter squared		TOTAL VOL. PURGED (mL per minute X tob	hi minutes X 0,00026 gal	GAL TOT VmL)	WDOWN/ AL PURGED	0.0-2		Pressure To pump	PSI
	TIME	DIW (FI) 0.0-0.33 ft	PURGERATE	TEMP, (°C)	RIA (AS LISTED IN TH SP. CONDUCTANCE	HE QAPP) pH (units)	DI\$\$, O ₂ (mg/L)	TURDIDITY (ntu)	REDOX (mv)	PUMP	
	S Minutes P44	Drawdown BEGIN PURG	ING C 3	(+/- 3 degrees)	(m\$/cm) (+/-3%)	(+/- O.L units)	(+/- 10%)	(+/- 10% <10 nin)		INTAKE DEPTH (A)	COMMENTS
0	755	14.77	300	10.54	0.943	6.61	.0.72	18.9	-/02.2	1º cu	buttom
0	800	14.77	300	10.48	0.948	6.58	0.44	14.3	725.3	1" of 8	
0	810-	14.77	300	10.58	0.951	6.55	0.37	10.2	-14].0		, , , , , , , , , , , , , , , , , , , ,
_	810	14.77	300	10.68	0.966	6.54	0.37	5.49	-112.0		
~~~	815	14.37	300	10.74	6.177	6.53	0.33	5.92	-92.8		
_	820	14.77	300	10.75	.0.986	6.53	w. J6	3.57	-112.6		
0	825	14.77	300	10.84	0.989	453	0.21	2.51	7/08.5	_	
6	830	14.77	.300	10.91	0.995	4.53	0.19	1.96	-107.1		,
	835	14.77	300	10.93	0.996	4.53	0.19	1.96	-106.4		
0	1840	Sample	••••								
-	Caganana										
		FIN	∛ALSTABILI7	ZED FIELD PARA	AMETERS (to appr	ropriate signi	ficant figures[S]	7()	.I	TEMPS nearest des COND,: 3 SP max (	80~(01, 10,1 = fd) (01, 33)3 = 3130, 0,696 = 6,696)
				11 .	0.996	6.5	0.2	2.0	110	plfs nearest tents (e 100 s nearest tents (c 7 L'HB; 3 SF 11125, 1	n: 5.53 = 5.5) nanest teath (6.19 = 6.2, 101 = 101) 44, 191 = 190)
EQU	/ 1	DOCUMENTATION	<u>ال</u> امر	DECON FLUIDS USED		TUBINO/PU	MP BLADDER MAT	<u> </u>		•	44, ISL = 190)  EQUIPMENT USED
	PERIST/ SUBME	KSID1.B	D)	IQUINOX PRIONIZED WATER	SILICON TU TRFLON TU	JBING JBING	S. STEE	l pump material Mp material		WL MET	ER
-	BLADDE	·	и	OTADLE WATER STRIC ACID	ומעד פקסוו ע		TEFLO	ode screen K bladder		WQ MITT TURB, M	
Z	OTHER OTHER	<u>a corumo</u>	М	iexane Iethanol Iher	OTHER	NO	ABRTO			PUMP	
Ai	<u> </u>	L PARAMETERS			OTHER_		OTHER		<del></del> -	ELTERS	NO. TYPE
ľ	7	PARAME: VOA c	TER	метнор Number <b>8360</b> Р			HOD RE	OLUME S QUIRED CO.	AMPLE LLECTED	COLFECTED	SAMPLE BOTTLE ID NUMBERS
				2000			<u> </u>	-7011-1	<del>d</del>	P	
	Щ.					· ·					
	⊣ .		<del>/</del>			-			<del></del>		. — —
_	<u></u> .		<u> </u>						<del></del>		
PU	URGE WAT		Nº1	NUMBER OF OALS	ONE ~3.9	SK	ETCHNOTES	11			- ATMW-004
No	ONTAINER! IO-PLIROF N TILIZED		/ L	GENERATED  17 year prompted approaches to sampling or	nately   standing volume per 	tae	<b>‡</b>	Contract of the second	· ·	JE 1	, ,
	***********	11	046	1 -	-1		•	12.	1/25	\$	
Sa	ampler Siena		y our	Print Name:	Money D. L	y ky		,	1/1X	Bush	) ⁶ ( •
_CI	liceked By:	F2-5	<u> </u>	Date: 300	<del>-13</del> 5/22	//3			11.		
ند پيون پيون پيون	#N	MAC	TE	C	"Fuel-Like!	" odler					FIGURE NDWATER SAMPLING REC 17 ASSURANCE PROJECT
31	11 Congres	ss Street, Portland	Maine nathi							•	

	LOW	FLOW GROT	UNDWAT	ER SAMPL	ING RECO	RD		4
PROJECTANAME	1.		LOC	ATION ID	DAT	E = 1/	0//3	
PROJECT NUMBER	CLEAN	E825	STA	TMW-O	END	TIME	-	
3612112205 SAMPLE ID		PLE TIME		1632		17	15	
ATMW005 1201	3XX 17	715	2011	NAMENUMBER	PAG	E ( or	/	
WELL DIAMETER (INCHES) 1	] ₂ 💢 (	<u></u> 6	] s 🗀	OTHER				WELL INTEGRITY YES NO N/A
TUBING ID (INCHES)	1/4 3/8	□ 1/2 □	5/8	OTHER			CAP CASING	<u> </u>
MEASUREMENT POINT (MP) TOP OF	FRISER (TOR) -	TOPOFCACING	<del>(100)</del>	OTHER			COLLAR	<del>-</del>
(BMP) 13.62 FT	FINAL DTW (BMP)	14.72		T. CASING CKUP (AGS)	FLUSH	FT	TOC/TOR DIFFERENCE	FT.
WELL DEPTH 19.50 FT	SCREEN LENGTH		FT AME	HENT AIR	0.0	РРМ	REFILL TIMES	R SEC
WATER COLUMN 5.88 FT	DRAWDOWN VOLUME	2.03	GAL MOI	WELL UTH	0,0	РРМ	DISCHARGE TIMER SETTIN	NG SEC
CALCULATED 3,84 GAL	TOTAL VOL. PURGED	「W X well diam, squared	DRA OAL TOT	WDOWN/ AL PURGED	0.812		PRESSURE TO PUMP	PSI
(column X well diameter squared X 0.041) FIELD PARAMETERS WITH PROGRAM STAB		nimutes X 0.00026 gal						
TIME U.I.W (F1) PURGE RATE 0.0-0,33 ft (mL/min)	TEMP, (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS, O ₂ (mg/L) (+/+ 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)		INTAKE	COMMENTS
1632 BEGIN PURGING	-l	(-1-374)	<u> </u>		<u> </u>	<u> </u>	DEPTH (A)	
163714.31 300	13,58	760	6.56	6,54	5,57	69.3	170	)
164214.84 300	13,35	762	6.68	6,39	474	59.1	17.50	
1647 15,44 300	13,19	762	1 711	6.40	7.03	67.0		
1652 16,89 300	13 49	760	1 29	2 11 1	11,53		1 / / / /	, , , , , , , , , , , , , , , , , , ,
165711.24 250	13,51	760	6.80	6,91	7,90	54,5	17.50	
17 7 11 40 17	13.30	71.4	100	6.34		55,6	17,50	
1707 16,70 175	1) ()	769	10,00	6.50	9.80	477	17.50	
1710 11 77 175	13 27	700	6.8	6,76	12.70	43.9	17,50	
1710 16.74 175	1377	763	182	6131	15.06	415.4	17259	
( bleat	Damp	e (c) /	//>				<u> </u>	
	14-	763	10.50	-/3	15.1	45	<u> </u>	
FINAL STABILI	ZED FIELD PARA	METERS (to appr	ropriate signi	ficant floures(S)	1		TEMP : nearest degr	rec (ex. 10.1 ~ 10) ex. 1333 × 1130, 0.696 × 0.696)
	111	7./ 7	T .	/ >	12-1	117	pili nearest terali (e. 100: nearest terali (e.	x, 5,53 = 5,5) x, 3,51 = 3,5) earlyst tenth (6,19 = 6,2, 101 = 101)
EQUIPMENT DOCUMENTATION	1 / 9.	763	6.8	6.5	15:1	45	ORP: 2 SF (44.1 = 4	exest tenth (6.19 = 6.2, 101 = 101) 14, 191 = 1905
TYPE OF PUMP.  PERISTALTIC    Description   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral   Peristral	DECON FLUIDS USED	SILICONTU	TUBING PU	JAIP BLADDER MAT	<u>ERIALS</u> L PUMP MATERIAL			EOUIPMENT USED
SUBMERSIBLE	DEIONIZED WATER OTABLE WATER	TEFLON TO	JBING NED TUBING	PVCPU	MP MATERIAL OBE SCREEN		WL METE PID WQ MET	
WATTERA	HTRIC ACID IEXANE	HUPE TUBI	NÜ		N BLADDER		TURB. MI	
OTHER	METHANOL OTHER	OTHER OTHER		OTHER			OTHER FILTERS	NO. TYPE
ANALYTICAL PARAMETERS PARAMETER	METHOD	FIELD		. VOITAV	OLUME S	AMPLE		
1 VOC	NUMBER 826	FILTERED かん	I-I-I	THOD RE	QUIRED CO. 40ML	LLECTED	COLLECUIO	SAMPLE BOTTLE ID NUMBERS
	000		<del>- {-}</del>	- 2/S	10170	<u> </u>		<del>\</del>
		******						
	<del></del>		· ·				trans.	
	<del></del>		-				•••••	
PURGE OBSERVATIONS PURGE WATER VES NO	NUMBER OF GALL	ans ~2.5	- Şi	KETCH/NOTES			······································	•
CONTAINERIZED	<b>GENERATED</b>	***************************************		€ \	hulk - 1			N
UTILIZED VES MOY	to sampling or	ately I clauding volume per int for this sample lees	ntion.	ALLANT OOK	Borns	•		<b>↑</b>
Sampler Signature:	Print Name;	lym Jo	Hay	N., /	(が)			11
Checked By: 1DL	Date: 5-	21-13		•	1		Thosac J	EXALE BLOG.
MACTE	C					LOWF	LOW GROUN	FIGURE 4,1' DWATER SAMPLING RECORI
SILL angrade strant Martiand Alarma Mallill						NYSI	TIJAUQ Dau	Y ASSURANCE PROJECT PLAN

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s - c

			LOW	FLOW GROU	INDWAT	ER SAMPI	ING RECO	RD			
	PROJECT NAME	amon	1 Clar	43		WWO 6	DAT	5/10/	13		
	PROJECT NUMB	FD		<u> </u>	STA	RTTIME		TIME	<del>, , ,                                </del>		
	icitial e to		02 09.02 SAM	PLE TIME	SITE	NAME/NUMBER	PAG	<u> 15 a</u>	-6-		
	ATMWOD	6/2013	×× 15	526	L_			OF			
WELL DIAN	METER (INCHES)		]: [52]+	6	8 🗀	OTHER				WELL INTEGRITY YES NO N/A	
TUBING ID	(INCHES)	1/8	2 1/4 3/8	1/2	5:8	OTHER			CAP CASING	¥ = =	ĺ
MEASUREN	(AIP) TRIOT TREE	TOPO	FRISER (TOR)	TOP OF CASING	(тос)	OTHER			LOCKED CÖLLAR	<b>★</b> = =	
IN(TIAL D (BMP)	)TW 13	188 FT	FINAL DTW (BMP)	15.42		T. CASING CKUP (AGS)	Fruste	FT	TOC/TOR DIFFERENCE	6,5 OF	Ì
WELL DEI (DMP)	PTH Ct	101 _{FT}	SCREEN LENGTH	NA	PID FT AMI	BIENT AIR	\$,\$	PPM	REFILL TIME SETTING	SEC SEC	
WATER COLUMN	_5	1/3 п	DRAWDOWN VOLUME (initial DTW- Small D)	TW X welf digm. squared	GAI MOI	Well, Uth	0,0	PPM	DISCHARGE TIMER SETTI	ING SEC	İ
CALCULA GALAVOL		Y L ( GAL	TOTAL VOL.	11/0	DRA	WDOWN/ AL PURGED	6.0%		PRESSURE TO PUMP	PSI	
	well diameter squared	•	(mL per minute X tota	al minutes X 0.00026 gal NA (AS LISTED IN TH	/mL)						
TIME	DIW (F1) 0.0-0.33 ft	PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS, O ₂ (mg/L)	TURBIDITY (ntu)		PUMP	COMMENTS	1
3-5 Minutes	Drawdown BEGIN PURC	. (mL/mln)	(+/- 3 degrees)	(+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% <10 ntu)	(+/- 10 mv)	DEPTH (R)	COMMENTS	
1937	111 29	727)	240	11.11.11	( (12)	c (-)	1227	770	150 00		
1300	114(10)	250	13.40	1697	6746	0,83	22,70	-t2.8	18,0		-
1510	14,46	250 250	13.28	1640	6,28	0,47	16.84	~52.7	18.0		-
1310	19131		(319	1631	6.33	0.31	17,64	-64,2	18.0		-
1317	15.35	250		1624	6,36	030	7.09	-67.6	1		_
1520	15.42	250	1331	11.32	6.35	0,29	(0,7)	-62.5	18.0	: 11 6 6	┨,
	15.76	250	1334	1636	639	0.32	143	-65.7	1800	a 1526	\$ b
Det .	<u> </u>	<del>   </del>			-					13 CE	-
	<del></del>	<u> </u>		•	· · · · · · · · · · · · · · · · · · ·				<del>-</del>		1
<del></del>	<del>\</del>		<u> </u>	· · · · · · · · · · · · · · · · · · ·		.,,			- <del> </del>		-
		<del>                                     </del>			<del> </del>		<del>                                     </del>		<del> </del>		-
	FI	NAL/STABILI	ZED EIEI D PARA	METERS (to appi	opriate sign	Meant flauros(S	E1\	<u> </u>	TEMP; nearest de	   egree (ex. 10.1 = 10)   (ex. 331) = 1330, 0.696 = 0.696)	-
-			7.7		oprace aiga		41,43	11	plf: nearest tenth (	(ex. 5.53 = 5.5)	
EQUIPMENT	DOCUMENTATIO	NC.	1/5	1630	16,4	6,3	21, 13	-66	ORP: 2 SF (44.1 s	44, [9] = [90)	-
PERIST	TYPE OF PUMP TALTIC		DECON FLUIDS USED LIQUINOX	SILICON TI		JMP BLADDER MAT	<u>CERIALS</u> EL PUMP MATERIAL		X WLME	EQUIPMENT USED TUR	
SUBMI BLADI	ERSIBLE DER	<b>治</b> :	DEIONIZED WATER POTABLE WATER	TEPLON TU	IBING NED TUBING	GEOPR	JMP MATERIAL OBE SCREEN		PID WQ ME	TER	
☐ WATT		,	NITRIC ACID HEXANE	LDPE TUBI		OTHER			PUNIP		
OTHER	R		METHANOL OTHER	OTHER OTHER		OTHER OTHER			OTHER		
ANALYTIC	AL PARAMETERS PARAM		METHOD NUMBER	FIELD	PRESE	V KOITAV	OLUME S	AMPLE	COLFECTER	SAMPLE BOTTLE (D	7
	VOC	· · · · · · · · · · · · · · · · · · ·	8260	FILTERED	1-FC		240ml_	LLECTED	COLLEGIE	NUMBERS	
	<del></del>								, —		
l 日 ]	<del>/</del>								***************************************		
PURGE OB	SERVATIONS					KETCH/NOTES	<del></del>		-		-
CONTVINE		i No	NUMBER OF GALL GENERATED	ONS ~1.7			ر \ ا س	4	7	\	
NO PURGE UTILIZED		/ لـــا ⊢	If you proport opposite	analy I standing volume pe	ine	BATAW-00		Loll	-/	\ 1	
01,612.00			to sampling or	und for this sample loca		V'' \	$\bigvee \emptyset$	650f	y de		
Sampler Sign	nature:	15/2	Print Name:	lyw For	حم	\	1/	Je?	Bish	1	
Checked By:	TDL		Date: 5	-31-13			. \				
MIN	ΛΔΟ		C		,			LOW I	LOW GROU	FIGURE 4. INDWATER SAMPLING RECOR	
511 Longn	ess Street, Portlan	od avlanne O4 (U)	$\bigcup_{i=1}^{n}$							TY ASSURANCE PROJECT PLA	

		25 35 13	row	FLOW GRO	<u>UNDWA</u>	TER SAMPI	LING RECO	ORD			
	PROJECT NAME	and Chi	werg & As	soe Ten.		ATION ID	DAT	5-6-	112		
	PROJECT NUMI	野1270	mans i Vie	30E, 1 eq. 1	STA	ATMW-0	ENL	TIME .	J		
	SAAIPLEID	611 660		iple time	am	13:27			; 1D		
	ATMW007	(2013 X)		5:10		5406. Le		JE / OF	1		
WELLDIAN	IETER (INCHES)		]2 [2]4		4	OTHER				WELL IN	
TUBING ID			314 318		] 5/8 [	1	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		CAP CASING	YES	NO N/A
	ient point (MP)	· ·	RISER (TOR)	TOP OF CASING		OTHER			LOCKED	<u> </u>	. 🗹 🗀
INITIALD			FINAL DTIV			OT, CASING		·	COLLAR TOC/TOR	_1 <u>/</u>	<del></del>
(BMP)	[ ])	, 32 pr	(BMP)	14.31		CKUP (AGŚ)		FT	DIFFERENCE		-0.50 FF
(Boil)	19.	(5 FT	SCREEN LENGTH	-	PID FT AM	BIENT AIR	M	РРМ	Repill time Setting	in [	SEC
WATER COLUMN	4	83 FT	DRAWDOWN YOLUME finitial DTW-final D	O . DCb. (	CAL MO	WELL UTH	MA	PPM	discharge Timer sett	ING	SEC
CALCULA	2	· QND	TOTAL VOL,	WILL I	DRA	MYDONYN/ FAL PURGED			PRESSURE TO PUMP	ſ	
	yell diameter square	1X 0.041)	(inL per minute X tota	al minutes X 0,00026 ga	VmL)				10 POMP	L	PSI
TIME	DIW (FI) 0.0-0,33 n	PURGE RATE	TEMP. ('C)	IA (AS LISTED IN THE	PH (units)	DISS. O ₂ (mg/L)	TURDIDITY (ntu)	REDOX (mo)	PUMP		
3-5 Minutes	Drawdown	. (mUmin)	(+/- 3 degrees)	(mS/em) (+/- 3%)	(+/- 0,1 units)	(+/- 10%)	(+/- 10% <10 ntu)	(+/- 10 mv)	INTAKE DEPTH (n)		COMMENTS
13:56	BEGIN PURG	7	T		····						
13:55	14:31	250	12.86	1.015	6.44	1.56	182,3	54.6	3 4	form	bottom
1405	14.32	260	12.38	0.890	6.18	10.45	80.58	17.9			
14:13-	14.32	320	12.28	D.867	6.47	1.38	74.32	-9.3		Δ	speed
14:20	14.32	330	19.02	v. \$73	6.87	0.35	62.28	-19.4			
14:30	14.32	300	11.93	0.882	6.65	0.30	39.59	-27.0			
14135	14.32	300	12.03	0.891	6.68	6.23	26,29	-27.4		_	
14:45	14.32	300	11.90	<b>b</b> .903.	6.71	0.21	21.40	-32.4		,	
14:55	14.31	330	11.96	0.906	6.73	0.18	18.80	~33.5			
15:00	14.31	330	11.81	0.906	6.76	0.20	16.69	~32.4			
15:05	14.31	330	11,98	0.910	6.35	6.20	10.11	-33.4			
15:10	14:31	330	11.96	0.911	6.76	0,50	10.08	-33.0		1	
Sampl	اتا ج	NAL STABILIZ	ed field para	METERS (to appr	opriate signi	ficant figures[Si	F()		TEMP (nearest de COND.: 1 SF max	ree (as. 10,1 - (sx, 3,333 = 1)	- (v) JD, 0.696 = 0.696)
			15-	0.911	6.8	0.2	10.1	- 33	DOI nepost leath to	x 3 51 - 3 5)	.19 = 6,2, 101 = 101)
I .	DOCUMENTATIO		* <del></del>	W			<del></del>		JOHP 18P(44.1 4	44, 191 - 190	120
PERIST.	<u>TYPE OF PUMP</u> ALTIC RSIBLE .		ECON FLUIDS USED QUINOX BIONIZED WATER	SILICONTU	BINO .		L PUMP MATERIAL		VLMET	eouipmen er	T.VSED
BLADD:		PC PC	TABLE WATER TRIC ACID	TEPLON TU TEPLON LIN HDPB TUBB	VED TUBING	GEOPR	MP MATERIAL OHE SCREEN		PID WQ MET		
WATTE OTHER	RA GROPING	н	EXANB ETHANOL	LDPETUBIN		OTHER			TURB. M	ETER _	
OTTIER	LPARAMETERS	<u> </u>	THER	OTHER		OTHER OTHER			OTHER FILTERS	NO,	ТУРВ
/	PARAME	TER	METHOD NUMIAR	FIELD FILMERED	Preser Met	VATION V	OLUMB S	AMPLB	COLTROIED OC	;	SAMPLE BOTTLE ID
	8260B	Voc	8260 13				tallat I '.	llected 1 <b>05</b>	COLLECTED		NUMBERS
].    -	<u> </u>	· · · · · · · · · · · · · · · · · · ·									
-  •	$\overline{}$		—	***************************************							<del>\</del>
							<del></del>		······································		<del>- /</del>
.			-								
PURCE OBS	ERVATIONS		***************************************			ETCH/NOTES					
PURGS WAT	FR YES		NUMBER ATTO	ans	i	ALDWIN ,	•		ATMW	~ లల్	Well "
CONTAINER			QEMERVIED	Arly Latending vokumpel	ay	STRAT	1	J	. 1 \(11.11.4		1 Not
UTTLIZED			to sampling or	mil. for this sample local	lion.	of vessel	* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		<b>\(\Lambda\)^\</b>	Well M Bolted
Sampler Signa	Then	J Zd	Print Name:	Thomas D. Lon	xla	1	/ \ JAT	PROP.		+	5Hut
	ラ つく	7-20	, <u>, , , , , , , , , , , , , , , , , , </u>		٠,١		/ /	BLOG.	•	•	
Checked By:	<u>~~~</u>	7)	Date: PG		2/13	<del> </del>	1 1 ,	Cops.		···	
MIN	ΛAC	TE		ACED NEW				LOWFI	OW GROUP	TAYAD	FIGURE 4 [R SAMPLING RECO
311 L'ongres	s Street, Portinue	Maine 04 IUI	<u> </u>	LABRIC TUMP	ia -de1	dicated to	WELL	NYSD	EC QUALIT	Y ASSUI	RANCE PROJECT PL

	· · · · · · · · · · · · · · · · · · ·			LOW	FLOW GRO	UNDWA	TER SAMPI	TIX CORRECT	nkn .		
	[	PROJECT NAME	mond Cl	lanuts		LO	CATION ID ATMWC	- 20 DV	5-7-	14	1
		PROJECT NUMB	ER	A (1)		STA	ART TIME	EN	DTIME	1.3	
		SAMPLE ID		QAA:	IPLE TIME	EAST.	O 9000 E NAMEZNUMBER		D TIME / O C	75	
		ATTAI	N008120	IBXX	10:00	ر. ا	Assoc. Top	tile	OF OF	(	
	WELLDIAM	ETER (INCHES)		12 4	□6 □	]8	OTHER				WELL INTEGRITY YES, NO NIA
	TUBING ID (	inches)	🗆 1/4 , 🗷	1/4 3/8	. ☐ 1/2	5/8	] OTHER			CAP CASING	<b>ゼラニ</b>
	Measurem	ент роінт (мр)	TOP OF	RISER (TOR)	TOP OF CASING	(TOC)	OTHER	***	- P. F	LOCKED COLLAR	
	INITIAL DI (OMP)	14	JU FT	FINAL DTW (BMP)	14.26		OT, CASING CKUP (AGS)	E-073	SH TOL	TOC/TOR DIFFERENCE	FT 6.0-
	WELL DEP	TH 10		SCREEN		DID	)			REPILL TIME	
	(BMP) WATER		· / FT	DRAWDOWN	<u></u>		DIENT AIR		PPM	SETTING	SEC
	COLUMN	L <u>4</u>	9 FT	VOLUME	O DIO	GAL! NO	OYELL OUTH	-	РРМ	DISCHARGE TIMER SETT	
	CALCULAT CALTYOL	3.		TOTAL VOL.	211	DR	AWDOWN/ TAL PURGED	Q004	<del></del>   .	PRESSURE TO PUMP	PSI
		ell diameter squared			al minutes X 0.00026 gal	VmL)				1010,00	I Foll
	TIME 3-5 Minutes	0.0-0,33 ft	PURGE RATE	TEMP. (°C)	Sh. CONDOCIVACE	pH (units)	DISS, O ₂ (mg/L)	TURBIDITY (nt		PUMP INTAKE	COMPACT TO
	0909	Drawdown BEGIN PURG	. (mUmin)	o 'ma/mi	(+1-3%)	(+/- 0.1 units)	(+/- (0%)	(+/- 10% <10 rate	(+/+ 10 mv)	DEPTH (A)	COMMENTS
	0915	14,37	300	<u> </u>	·	1/ 20	1100	12.6	*** *	100	<i>r</i>
	0920	14.28	300	11.30	1.004	6.79		12.8	52.8	1013	botom
70L	0925	14.38	300	11.30	1007	6.82	3.60	7.03	59.3 62.7		
0935	09:30	14.25	270	11.53	1.002	6.83	3.16	6.19	67.8		
	0940	14.26	270	11.52	0.998	6.84	3.04	3.42	68.7		
	0945	14.26	270	11.59	0.993	6.84	2.50	4.25	70.8		
•	0950	14.26	230	11.52	0:997	6.84	2.30	264	71.0	,	
	0955	14.26	7.70	1653	0.993	6.85	2.20	2,50	31.6		
	10:00	Shryle				40-		<i>A</i> , 1.30	1		
•	1										
					·····	<u> </u>					
		117	VAL STABILIZ	ED FIELD PAR/	METERS (to appr	opriate sign	dficant figures(S)	, F()	- ali	COND.: 3 SF mas	egros (ex. 10.1 = 10) (ex. 1011 = 1100, 0.6% = 0.6%)
-				12	0,993	6.8	2,2	2.5	72	DO recover tenth TUIN; I SP nux,	(ax. 3.53 - 5.5) (ax. 3.51 - 5.5) (ax. 3.51 - 3.3) a.canost leuth (6.19 = 6.2, 101 = 101) -4.4, 191 - 190)
		DOCUMENTATIO YPE OF PUMP.		ECON EL HIDE HOED	/	<del></del>		<u> </u>	1,0		
	PERIST/ SUBMB	ALTIC	[72] Li	ECON FLUIDS USED QUINOX BIONIZED WATER	SILICON TU	IDINO		ь римр матекіа	L	WLME	EQUIPMENT USED TER
	BLADD'	er,	PC	TABLE WATER		DAIGUT CIEN	GEOPR	IMP MATERIAL OBB SCREEN N DLADDER		PID WQ MB TURD, 8	TER
	VATTE OTHER	Gas Perp	М	ethanol Ethanol	LDPE TUBIN		OTHER		<del></del>	PUMP	
	L OTHER	LPARAMETERS	o.	THER	OTHER		OTHER			FILTER	
		PARAME	TER	METHOD	FIELD FILTURED	Preser Me	RVATION VOICE RECEIVED RE	OLUME QUIRED C	SAMPLE DLLEGTED	COLLECIRI	SAMPLE BOTTLE ID NUMBERS
	4	VOCS		8260 B	<u> </u>	<u> </u>	CL,4c 31	K40 ml.	7		
					-,-						
				,02	,						
		/	,	,				<del></del>			
	PURGE OBS		NO.	NUMBER OF GALL	ons ~7.7	\$1	KETCH/NOTES	1	٦	· · · · · · · · · · · · · · · · · · ·	1.008
	CONTAINER NO-PURGE N	P	, mari	<u>ĢĒŅĒĽVĪĒ</u> Ď	<del></del> ,		<b>"\</b> *	1	\	FT ATM	800, W
	UTILIZED			to sampling or	nt for this sample been mil for this sample been	tion,	1/2	A LE	- Q	3 \	•
	Camalas Claus	Hed	1 71		7		·	12/1	1/2	A. P. C. C. C. C. C. C. C. C. C. C. C. C. C.	
	Sampler Signa	77. ~~	" TAY	Print Name:	THINK IN IN	77		12			
	Checked By:	-	7	Date:	4133/23	13		1 1			THE PARTY OF A 1 and
		ЛАС	TE	<u>ب_</u>			•		LOWE	LOW GROU	FIGURE 4.17 ND YATER SAMPLING RECORD
	511 Congres	s Street, Portland	Minine U4 IUI	<u> </u>					nysi	DEC QUALI	TY ASSURANCE PROJECT PLAN

, , , , , , , , , , , , , , , , , , , ,		LOW	FLOW GRO	UNDWAT	TER SAMPI	ING RECO	RD			
PROJECT NAM	4	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	۳-		ATION ID	DAT		/ >		
PROJECT NUM	iner	CO NO	,	17MW-069 5/7//3 FART TIME   END TIME   10 C						
SAMPLE ID	6611 613		PLE TIME	SITE	1027 Ename/number	PAG		,		
ATMW	109/201		10 le			- 1110	or or			
WELL DIAMETER (INCHES	WELL INTEGRITY WELL DIAMETER (INCHES) 1									
TUBING ID (INCHES) 1/4 3/8 1/2 5/8 OTHER CAP CASING CASING										
MEASUREMENT POINT (M	r) Toro	F RISER (TOR)	TOPOFCASING	170e)	OTHER '			LOCKED COLLAR	$\stackrel{*}{\sim} = =$	
INITIAL DTW L	16 FT	FINAL DTW (BMP)	14,65	PRO	OT, CASING CKUP (AGS)	Fush	FT	TOC/TOR DIFFERENCE	Fr	
WELL DEPTH (OMP)	,5 F	SCREEN LENGTH		FT ANI	BIENT AIR		PPM	REFILL TIME SETTING	ER SEC	
WATER COLUMN	, 89 FT	DRAWDOWN VOLUME (initial DTW- final D)	0.0065	GAL MO	WELL UTH		РРМ	DISCHARGE TIMER SETTI	ING SEC	
CALCULATED GAL/YOL (column X well diameter squa			al minutes X 0.00026 gal	GAL TOT l/mL}	WDOWN/ TAL PURGED	0.0029	$\Box$ .	Pressure To Pump	PSI	
FIELD PARAMETERS WIT			IA (AS LISTED IN TH SP. CONDUCTANCE					PUMP		
3-5 Minutes 0.0-0,33 ft Drawdown	PURGERATE . (mUmin)	TEMP. (°C) (+/- 3 degrees)	(mS/em) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	INTAKE DEPTH (0)	COMMENTS	
1022 BEGIN PUT	RGING							المعالنت في معادد	www.	
1027 14.65	200	11,83	0,407	6,44	4.22	23.16	75.4	17,0		
1032 14.65	200	11,44	0.463	6.04	3,3 Ce	16.37	67.3	17.0		
1037 14,65	005	11,19	0,546	6,19	2.57	2.76	65.4	17.0		
1042 14.65	200	11.16	0,598	6.32	2,07	3.34	65.3	170		
1047 14.65	200	11,40	0.640	1,59	1,54	0.09	63.0	17.0	.,	
1052 14.65	500	11,36	0:667	6,570	1,30	0.17	63.4	120		
1055 14,65	700	11.41	0,682	10:65	1.14	0.71	58.5	120		
1058 14.65	200	11.36	0,696	6.65	1,00	0.00	58.4	17.0		
1101 14.65	700	11.47	6,703	6.68	1,04	0,00	55.4	17,0		
1104 14,65	200	11.47	0.706	6.69	1,04	(7,00)	54.1	13 0		
				<u> </u>	7, -,	<u> </u>	, , , , , , , , , , , , , , , , , , ,	17.0		
	INAL STABILI	ZED FIELD PARA	METERS (to appr	ropriate signi	ficant figures[S]	FI)	!	COND.: 3 SF max	1 gree (ex. 10.1 ~ 101 (ex. 3333 ~ 3330, 0.696 ~ 0.696)	
		11	0.706	17	1,0	0.0	54	pH: nearyst tends (e DO: nearest tends (	ex, 5.53 = 5.53 (ex, 3.51 = 3.5) Mearest teath (6.19 = 6.3, 101 = 101)	
EQUIPMENT DOCUMENTAT	TON	) / / .	$O(1)O\varphi$	001	100	10.0	3 1	ORF: 2 SV (44.1 -	44, 191 = 1905	
TYPE OF PUMP PERISTALTIC		DECON FLUIOS USED LIQUINOX	SILICONTU	<u>TUDINO:PU</u> JBING	JMP BLADDER MAT	ERIALS EL PUMP MATERIAL		TY WINET	EQUIPMENT USED	
SUBMERSIBLE BLADDER	_X	DEIONIZED WATER POTABLE WATER	TEFLON TU	MED TUBING	PVC PU	JNP MATERIAL OBE SCREEN		PID WQ MET		
WATTERA		NITRIC ACID HEXANE	HDPE TUBI			N BLADDER		X TURB, N		
OTHER OTHER		METHANOL OTHER	OTHER		OTHER OTHER			OTHER	NO. TYPE	
ANALYTICAL PARAMETE		METHOD	FIELD	PRESER	VATION V	OLUME S	AMPLE	-		
P VO	METER	METHOD NUMBER 8260	FILTERED (A)		гнор кв	COURED COL	Y LECTED	COLTECTED	SAMPLE BOTTLE ID NUMBERS	
		**************************************					<del></del>		· <del>\</del>	
	<del></del>						<u> </u>			
-	<del></del>		<del></del>					-,,,	- —	
PURGE OBSERVATIONS				Sì	KETCH/NOTES		<del></del>			
3	NO T	NUMBER OF GALL	ONG ~1.2	-		\Q	/		7 1	
)		If you, purguit approaches	andy I standing volume pri	ior stlan		/ 🕏	۲ / ۲	M504.		
	<u></u>					DAG.	١ / ١	V 756	0°4 7 No	
Sampler Signature:	19-2	Print Name:	Zyen Jon	الميا		/	/ <u>÷</u> , /	V	ATMW-0099	
Checked By: 1.D.L	•	Date: 5	-21-13					1 100		
#MAG	CTE	$\mathbf{C}$							FIGURE 4.1 NDWATER SAMPLING RECOR FY ASSURANCE PROJECT PLA	
NYSDEC QUALITY ASSURANCE PROJECT PLAN 511 Congress Street, Portland Maine 04101										

17	LOW FLOW GROUNDWATER SAMPLING RECORD
	PROJECT NAME LOCATION ID DATE
	PROJECTNIANDER DIAMOND CLEANERS ATMW-COIR 5/7/13
	PROJECT NUMBER 3612-1122 09.02 START TIME 900 END TIME
	SAMPLE ID ATMWOOLR (2013 XX 940) SITE NAME/NUMBER PAGE OF
	WELL INTEGRITY WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER YES NO N/A
	TUBING ID (INCHES) IN 14 14 12 3/8 11/2 5/8 OTHER CAP CASING TOTHER CAP CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CASING TOTHER CAP CAP CASING TOTHER CAP CAP CAP CAP CAP CAP CAP CAP CAP CAP
	ALEASUREMENT POINT (MF) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER COLLAR
	*INITIAL DTW IL 38 FINAL DTW IL 120 PROT. CASING CALLED
	WELL DEPTH SCREEN PID AMDIENTAIR PPM SETTING SEC
	WATER COLUMN 5.75 FT DRAWDOWN VOLUME 0.22 GAL MOUTH PEM TIMER SETTING SEC
	(Inliat DTW- final DTW X well diam. squared X 0.041)
	GALVOL 5/9 FGAL PURGED OLD TO PUMP PSI
	(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)  FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)
	TIME UIW (FI) PURGERATE TEMP, (C) SF, CONDUCIANCE OH (units) DISS, O. (me/L) TURBIDITY (eth) REDOX (my) PUMP
100	Drawdown (17-10%) (17-10%) (17-10%) (17-10%) (17-10%) (17-10%) (17-10%) (17-10%)
100.	2 3 11 1 2   2 3 3 11 0 1   0 1 0 1   0 1 0 1   0 1 0 1   0 1 0 1
	2000 000 1000 2000
	910 14.71 200 11.62 0.406 6.20 0.26 13.51 -29.616.6
	715 14.72 200 11.68 0.416 6.24 0.24 15.18 -39.0 16.6
	920 14.72 200 11.82 0.439 6.27 0.26 6.20 37.5 16.6
	925 14.72 200 11,79 0.486 6.30 0.21 4.71 -41.2 16.6
	930 14.72 200 11.87 0.527 6.34 0.19 4.91 -49.616.6
	933 14.72 200 11.90 0,542 6.36 0.15 3.99 -49.2 16.6
	936 14.72 200 11.93 0.550 6.38 6.16 3.49 -50.216.6
	Collect Sample @ 940
	0-550 6.4 0.2 3.5 50
	FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])  YEMP.: Rearest degree [ex. 10.7 **10] COND.: 3 SF max (ex. 3333 < 3330, 0.696 = 0.696)
	12 0.550 6.4 0.2 3.5 -50 TURB/38 ma, neurot tenth (6.18 = 6.3, 101 = 101)
	QUIPMENT DOCUMENTATION
	TYPE OF PUMP  PERSTALTIC  LIQUINOX  SILICON TUBING S. STEEL PUMP MATERIAL.  WL METER  WL METER  WY METER  WY METER  WE METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER METER M
	BLADDER POTABLE WATER TEPLON TUBING PVC PUMP MATERIAL GEOPROBE SCREEN WQ METER WQ METER
	WATTERA REXAND LOPE TUBING OTHER PUMP
	OTHER
	ANALYTICAL PARAMETERS  PARAMETER METHOD FIELD PRESERVATION VOLUME SAMPLE QC SAMPLE BOTTLE ID NUMBER FILTERED METHOD REQUIRED COLLECTED NUMBERS
	Voc 8260 N HCC 3x40mc 465 ~
	PURGE OBSERVATIONS  PURGE OBSERVATIONS  PURGE OBSERVATIONS  NO NUMBER OF GALLONS 1/9  CONTAINERIZED PURGE OBSERVATIONS  NO. PURGE OBSERVATIONS  SKETCH/NOTES  SKETCH/NOTES  ATMW-DOLR  ATMW-DOLR  NO. PURGE OBSERVATIONS
	PLIRAGE WATTER CONTAINERIZED CONTAINERIZED CONTAINERIZED VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO VES NO V
	UTILIZED YES NO 15 you, purgood oppressionately 1 -to-miling columns prior to sampling or
	Sampler Signature: 2,000 Print Name: Gran Torney
	Checked By: 1. D.L. Date: 5-21-13
	FIGURE 4.1  LOW FLOW GROUNDWATER SAMPLING RECORD
	NYSDEC QUALITY ASSURANCE PROJECT PLAN



PROJECT NUMBER: 3	6121	12209	PROJECT NAME:	Diamond		ear	N	. /					
BORING NUMBER:	GW	-007					DATE: 5/9//3						
ELEVATION:	٠		GWL: Depth 1 Date Tithe				DATE STARTED:						
ENGINEER/GEOLOGIST	r: R	ST	Depth /	ate/Time		DATE	COMP	LETED:	0 0				
DRILLING METHODS:	Col	Probe-D	west Push			PAGE	ξ:	OF	/				
							·						
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l	GWL: DepthQ ; 1 Date/Time		DATE STARTED: 5/8/13					
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DRILLING METHODS: Geoprobe-1)	irect Risk	PAGE:	) OF I					
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BORING	NUMB	ER: /1	76W	0460	COORDINATES	3:			DAT	ΓE:	5/8/13		
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August 2013 Draft

#### **ATTACHMENT 2**

LABORATORY DATA AND DATA USABILITY SUMMARY REPORT

# DATA USABILITY SUMMARY REPORT MAY 2013 SOIL AND GROUNDWATER SAMPLING EVENT DIAMOND CLEANERS SITE AND ASSOCIATED TEXTILES RENTAL SERVICES SITE ELMIRA, NEW YORK

#### 1.0 INTRODUCTION

Groundwater and soil samples were collected at the Diamond Cleaners Site (DCS) and at nearby Associated Textiles Rental Services Site (ATRS) in Elmira, New York, in May 2013 and submitted for analysis to TestAmerica Laboratory, located in Buffalo, New York and Edison, New Jersey. Sample results were reported in Sample Delivery Groups (SDGs) 480-38011-1, 480-38151-1, and 480-38152-1. Samples were analyzed for one or more of the following methods:

- Volatile organic compounds (VOCs) by USEPA Method 8260B
- Total solids by EPA Method 160.3

A listing of samples included in this Data Usability Summary Report (DUSR) is presented in Table 1. A summary of the analytical results is presented in Table 2. A summary of sample results qualified during this review is presented in Table 3 (Summary of Data Validation Actions). Tentatively identified compound (TICs) were not evaluated or reported by the laboratory for VOC samples.

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A data usability review was completed based on NYSDEC Division of Environmental Remediation guidance for data usability summary reports (NYSDEC, 2010). Quality control (QC) limits from USEPA Region 2 data validation guidelines were used during the data evaluation for VOCs. The remaining methods were evaluated based on lab control limits and the judgment of the chemist. The DUSR review included evaluations of the following items:

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- Initial and Continuing Calibration (including tunes for GC/MS)
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes
- Internal Standard Response and Retention Times
- Field Duplicates
- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

U = target analyte is not detected above the reported detection limit

J = concentration is estimated

UJ = target analyte is not detected and the reported detection limit is estimated

H = lab qualifier indicating that the result was reported from an analysis that exceeded the method hold time

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

### 2.0 Volatile Organic Compounds (VOCs)

VOC - Hold Times

#### SDG 480-38011-1

Sample ATMW00412013XX was collected on May 7, 2013 and first analyzed on May 19, 2013 within the 14 day hold time. The sample was re-analyzed at a dilution on May 28, 2013 outside the 14-day hold time. Cyclohexane was reported from the dilution analysis and was qualified (H) by the laboratory due to the exceedence of the hold time and was also qualified estimated (J) during validation.

#### **VOC - Initial and Continuing Calibration**

#### SDG 480-38011-1

The initial calibration (April 19, 2013, VOAMS5) associated with samples in SDG 480-38011-1 had average relative response factors (RRF) less than 0.05 for acetone (0.0145) and 2-butanone (0.0310). The analytical instrument demonstrated a response at the low end of the calibration (5 µg/l) for both compounds. Based on professional judgment, non-detect results for acetone and 2-butanone in the associated samples were not rejected. Results for acetone and 2-butanone in the associated samples were qualified as estimated (J/UJ).

In the continuing calibration analyzed on May 19, 2013, the following compounds had a percent difference that exceeded the control limit of 20: dichlorodifluoromethane (-41), 1,1,2-trichloro-1,2,2-trifluoroethane (36), trans-1,2-dichloroethene (21), cis-1,2-dichloroethene (22),

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cyclohexane (48), methylcyclohexane (25), and bromoform (-20.1). Results and reporting limits for these compounds were qualified estimated (J/UJ) in the associated samples. The RRF for acetone (0.0144) and 2-butanone (0.032) in this continuing calibration was less than 0.05. Results were qualified as estimated (J/UJ).

The following compounds had a percent difference that was greater than 20 in the continuing calibration analyzed on May 20, 2013: dichlorodifluoromethane (-28), 1,1,2-trichloro-1,2,2-trifluoroethane (23), trans-1,2-dichloroethene (27), cis-1,2-dichloroethene (29), and cyclohexane (26). These compounds were qualified estimated (J/UJ) in associated samples. The RRF was less than 0.05 for acetone (0.0134) and 2-butanone (0.0322) in this continuing calibration and results were qualified as estimated (J/UJ).

The following compounds had a percent difference that was greater than 20 in the continuing calibration analyzed on May 21, 2013 (at 05:24): dichlorodifluoromethane (-26), bromomethane (-31), 4-methyl-2-pentanone (-20.9), chlorodibromomethane (-22), 2-hexanone (-23), bromoform (-31), 1,3-dichlorobenzene (-20.2), 1,4-dichlorobenzene (-21), 1,2-dichlorobenzene (-23), 1,2-dibromo-3-chloropropane (-34), and 1,2,4-trichlorobenzene (-30). These compounds were qualified estimated (J/UJ) in associated samples. The RRF was less than 0.05 for acetone (0.0130) and 2-butanone (0.026) in this continuing calibration and results were as estimated (J/UJ).

The following compounds had a percent difference that was greater than 20 in the continuing calibration analyzed on May 21, 2013 (at 18:40): dichlorodifluoromethane (-32), bromomethane (-33), 1,1,2-trichloro-1,2,2-trifluoroethane (39), trans-1,2,-dichloroethene (20.6), cis-1,2-dichloroethene (24), cyclohexane (41), methylcyclohexane (27), bromoform (-21), 1,2-dibromo-3-chloropropane (-24), and 1,2,4-trichlorobenzene (-22). These compounds were qualified estimated (J/UJ) in associated samples. The RRF was less than 0.05 for acetone (0.0127) and 2-butanone (0.0292) in this continuing calibration and results were as estimated (J/UJ).

#### SDG 480-38151-1

The following compounds had a percent difference that was greater than 20 in the continuing calibration analyzed on May 21, 2013: acetone (22), 4-methyl-2-pentanone (26), 2-hexanone (22). These compounds were qualified estimated (J/UJ) in all samples reported in SDG 480-38151-1.

#### SDG 480-38152-1

The following compounds had a percent difference that was greater than 20 in the continuing calibration analyzed on May 15, 2013: 1,1,2-trichloro-1,2,2-trifluoroethane (31), cyclohexane (20.9), and methylcyclohexane (21). These compounds were qualified estimated (J/UJ) in all samples reported in SDG 480-38151-1.

The results qualified during the review of the initial and continuing calibration data were assigned a reason code of ICVRRF, CCVRRF, and/or CCV%D and are summarized in Table 3.

LCS

#### SDG 480-38011-1

The following compounds had percent recoveries that were outside of the USEPA Region 2 control limits of 70-130 in the LCS analyzed on May 19, 2013 at 08:22: cyclohexane (150), methyl cyclohexane (133) and dichlorodifluoromethane (64). Detections of cyclohexane and methyl cyclohexane in associated samples were qualified estimated (J). Dichlorodifluoromethane was not detected in associated samples and the reporting limit was qualified as estimated (UJ) in the final data set.

Cyclohexane (144 to 147) was recovered above the upper control limit of 130 percent in the LCS samples analyzed on May 20 and 21st, 2013. Detections of cyclohexane in associated samples were qualified estimated (J).

Qualified results for cyclohexane, methyl cyclohexane and dichlorodifluoromethane were assigned a reason code of LCS-H or LCS-L and are summarized in Table 3.

#### **VOC - Matrix Spikes**

Matrix spike and matrix spike duplicates were evaluated based on Region 2 control limits of 70 – 130 percent and relative percent differences (RPDs) between the MS and MSD recoveries of 20.

#### SDG 480-38011-1

Matrix spike and matrix spike duplicate analyses were performed on the following groundwater samples: DCMW00412013XX, ATGW04312013XX, and ATMW00112013XX.

The following compounds had percent recoveries outside the control limits in the spikes analyzed on DCMW00412013XX: dichlorodifluoromethane (MS = 36 and MSD = 39), tetrachloroethene (MS = -17 and MSD = 21), trichlorofluoromethane (MS = 64), 1,2,4-trichlorobenzene (RPD = 25). Dichlorodifluoromethane, trichlorofluoromethane and 1,2,4-trichlorobenzene were not detected in the un-spiked sample and the reporting limit was qualified estimated (UJ) in the final data set. The concentration of tetrachloroethene in the un-spiked sample was greater than four times the concentration spike into the MS and MSD and therefore the spike recoveries were not evaluated.

The following compounds had percent recoveries and RPDs outside the control limits in the spikes analyzed on ATGW04312013XX: tetrachloroethene (MS = 879 and MSD = 935), cis-1,2 dichloroethene (MSD = 149), and trichloroethene (MS = 135), 1,2,4-trichlorobenzene (RPD = 31), 1,2-dibromo-3-chloropropane (RPD = 28), and 2-hexanone (RPD = 27). Positive detections of cis-1,2 dichloroethene and trichloroethene were qualified estimated (J) in un-spiked sample. 1,2,4-Trichlorobenzene, 1,2-dibromo-3-chloropropane, and 2-hexanone were not detected in the un-spiked sample and the reporting limit was qualified estimated (UJ). The concentration of tetrachloroethene in the un-spiked sample was greater than four times the concentration spike into the MS and MSD and therefore the spike recoveries were not evaluated. Thirteen other compounds had percent recoveries ranging from 132 to 166, but were not detected in the unspiked sample and no qualifiers were added to the data set.

The following compounds had percent recoveries and RPDs outside the control limits in the spikes analyzed on ATMW00112013XX: 1,1,2-trichloro-1,2,2-trifluoroethane (MS = 132 and MSD = 140), dichlorodifluoromethane (66), 1,2-dichloropropane (MS = 131), 1,2-dichloropropane (MS = 131), cis-1,2-dichloroethene (MSD = 133), and cyclohexane (MSD = 141). 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-dichloropropane, 1,2-dichloropropane, and cis-

Page 4 of 7

1,2-dichloroethene were not detected in the un-spiked sample and no qualifiers were added to the un-spiked sample for these compounds. The results for cyclohexane and dichlorodifluoromethane were qualified estimated (J/UJ) in the final data set.

### SDG 480-38151-1

A matrix spike and matrix spike duplicate was performed on groundwater sample ATGW00212013XXXX. Tetrachloroethene (MS = 56) was recovered below the Region 2 QC limit of 70. The result for tetrachloroethene was qualified estimated (J) in ATGW00212013XXXX and the field duplicate sample, ATGW00212013XXXD.

### SDG 480-38152-1

A matrix spike and matrix spike duplicate was performed on soil sample ATGW002072013XX. The following samples had recoveries that were below the Region 2 QC limit of 70: acetone (MS = 61 and MSD = 58), bromoform (MS = 69), carbon disulfide (MS = 56 and MSD = 58), and chloroethane (MS = 53 and MSD = 54). These compounds were not detected in the un-spiked sample and the reporting limits were qualified estimated (UJ).

Qualified results were assigned reason codes of MS-L, MS-H and/or MS-RPD and are summarized in Table 3.

### **VOC - Field Duplicates**

### SDG 480-38151-1

A field duplicate sample was submitted with field sample ATGW00212013XX. The following compounds had a RPD that was above the control limit of 50. Results for these compounds were qualified estimated (J/UJ) in the final data set. Qualified results were assigned reason codes of FD and are summarized in Table 3.

field sample id	gc code	lab sample id	param name	Final Result (ug/L)	Lab Qual	RPD
ATGW00212013XX	FS	480-38151-10	1,2-Dichloroethane	2		66.67%
ATGW00212013XD	FD	480-38151-11	1,2-Dichloroethane	1	U	
ATGW00212013XD	FD	480-38151-11	Tetrachloroethene	4.5	J	90.91%
ATGW00212013XX	FS	480-38151-10	Tetrachloroethene	12	J	
ATGW00212013XD	FD	480-38151-11	Trichloroethene	0.97	J	73.62%
ATGW00212013XX	FS	480-38151-10	Trichloroethene	2.1		

### **VOC - Sample Reporting**

### SDG 480-38011-1

During sample collection, a field sample was incorrectly labeled and recorded on the chain of custody (COC). The sample ID DCMW01312013XX should have been recorded as DCGW01312013XX on the COC. The sample ID was changed to DCGW01312013XX in the AMEC database.

Due to elevated concentrations of target analytes the following samples were analyzed at a dilution and non-detects were reported at elevated reporting levels:

SDG	field_sample_id	qc_code	lab_sample_id	dilution_factor
480-38011-1	DCMW00412013XD	FD	480-38011-2	5
480-38011-1	DCMW00412013XX	FS	480-38011-1	5
480-38011-1	ATGW02612013XX	FS	480-38011-7	5
480-38011-1	ATGW04312013XX	FS	480-38011-8	10
480-38011-1	ATMW00212013XX	FS	480-38011-12	5
480-38151-1	ATGW04512013XX	FS	480-38151-12	5

### 2.3 Total Solids

Results are interpreted to be usable as reported by the laboratory

### Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

USEPA Region 2, 2008. "Validating Volatile Organic Compounds by SW-846 Method 8260B"; SOP # HW-24, Revision 2, Hazardous Waste Support Branch; August 2008.

Data Validator: Tige Cunningham

WC for Tige Cunnigham

Date: 6/24/13

Reviewed by Wolfgang Calicchio Senior Environmental Scientist

Date: 7/22/13

					Class	VOC
				An	alysis Method	SW8260B
					Fraction	Т
SDG	Media	Location	Sample Date	Sample ID	Qc Code	
480-38011-1	GW	GW-002	5/7/2013	DCGW00212013XX	FS	48
480-38011-1	GW	GW-013	5/8/2013	DCGW01312013XX	FS	48
480-38011-1	GW	GW-014	5/8/2013	DCGW01413013XX	FS	48
480-38011-1	GW	GW-026	5/8/2013	ATGW02612013XX	FS	48
480-38011-1	GW	GW-043	5/8/2013	ATGW04312013XX	FS	48
480-38011-1	GW	GW-046	5/8/2013	ATGW04612013XX	FS	48
480-38011-1	GW	MW-001	5/7/2013	ATMW00112013XX	FS	48
480-38011-1	GW	MW-001	5/7/2013	DCMW00112013XX	FS	48
480-38011-1	GW	MW-001R	5/7/2013	ATMW001R12013XX	FS	48
480-38011-1	GW	MW-002	5/6/2013	ATMW00212013XX	FS	48
480-38011-1	GW	MW-002	5/8/2013	DCMW00212013XX	FS	48
480-38011-1	GW	MW-003	5/6/2013	ATMW00312013XX	FS	48
480-38011-1	GW	MW-003	5/7/2013	DCMW00312013XX	FS	48
480-38011-1	GW	MW-004	5/7/2013	ATMW00412013XX	FS	48
480-38011-1	GW	MW-004	5/8/2013	DCMW00412013XD	FD	48
480-38011-1	GW	MW-004	5/8/2013	DCMW00412013XX	FS	48
480-38011-1	GW	MW-005	5/6/2013	ATMW00512013XX	FS	48
480-38011-1	GW	MW-006	5/6/2013	ATMW00612013XX	FS	48
480-38011-1	GW	MW-006	5/7/2013	DCMW00612013XX	FS	48
480-38011-1	GW	MW-007	5/6/2013	ATMW00712013XX	FS	48
480-38011-1	GW	MW-007	5/7/2013	DCMW00712013XX	FS	48
480-38011-1	GW	MW-008	5/7/2013	ATMW00812013XX	FS	48
480-38011-1	GW	MW-008	5/7/2013	DCMW00812013XX	FS	48
480-38011-1	GW	MW-009	5/7/2013	DCMW00912013XX	FS	48
480-38011-1	GW	MW-009	5/7/2013	ATMW00912013XX	FS	48
480-38011-1	GW	MW-010	5/7/2013	DCMW01012013XX	FS	48
480-38011-1	GW	MW-011	5/6/2013	DCMW01112013XX	FS	48
480-38011-1	GW	MW-012	5/8/2013	DCMW1212013XX	FS	48
480-38011-1	GW	MW-013	5/8/2013	DCMW1312013XX	FS	48
480-38011-1	BW	QC	5/8/2013	TRIP BLANK	ТВ	48

Notes:

FS = Field Sample

FD = Field Duplicate

Produced by: BJS 6/12/13

Checked by: TLC 6/25/13

			*****		Class	VOC
				Ana	alysis Method	SW8260B
					Fraction	Т
SDG	Media	Location	Sample Date	Sample ID	Qc Code	
480-38151-1	GW	GW-021	5/9/2013	ATGW00212013XD	FD	48
480-38151-1	GW	GW-021	5/9/2013	ATGW00212013XX	FS	48
480-38151-1	GW	GW-045	5/9/2013	ATGW04512013XX	FS	48
480-38151-1	GW	MW-014	5/8/2013	DCMW1412013XX	FS	48
480-38151-1	GW	MW-015	5/8/2013	DCMW1512013XX	FS	48
480-38151-1	GW	MW-016	5/9/2013	DCMW1612013XX	FS	48
480-38151-1	GW	MW-017	5/9/2013	DCMW1712013XX	FS	48
480-38151-1	GW	MW-018	5/9/2013	DCMW1812013XX	FS	48
480-38151-1	GW	MW-019	5/9/2013	DCMW1912013XX	FS	48
480-38151-1	GW	MW-020	5/9/2013	DCMW2012013XX	FS	48
480-38151-1	GW	MW-021	5/9/2013	DCMW2112013XX	FS	48
480-38151-1	GW	MW-022	5/9/2013	DCMW2212013XX	FS	48
480-38151-1	GW	MW-023	5/9/2013	DCMW2312013XX	FS	48
480-38151-1	BW	QC	5/9/2013	TRIP BLANK	FS	48

Notes:

FS = Field Sample

FD = Field Duplicate

					Class	VOC	Solids
				Analys	is Method	SW8260B	E160.3
					Fraction	Т	Т
SDG	Media	Location	Sample Date	Sample ID	Qc Code		
480-38152-1	SOIL	GW-002	5/9/2013	ATGW002072013XX	FS	48	2
480-38152-1	SOIL	GW-021	5/9/2013	ATGW002132013XX	FS	48	2
480-38152-1	SOIL	GW-026	5/8/2013	ATGW026072013XX	FS	48	2
480-38152-1	SOIL	GW-026	5/8/2013	ATGW026072013XD	FD	48	2
480-38152-1	SOIL	GW-026	5/8/2013	ATGW026122013XX	FS	48	2
480-38152-1	SOIL	GW-043	5/8/2013	ATGW043132013XX	FS	48	2
480-38152-1	SOIL	GW-043	5/8/2013	ATGW043152013XX	FS	48	2
480-38152-1	SOIL	GW-045	5/9/2013	ATGW045162013XX	FS	48	2
480-38152-1	SOIL	GW-045	5/9/2013	ATGW045122013XX	FS	48	2
480-38152-1	SOIL	GW-046	5/8/2013	ATGW046142013XX	FS	48	2
480-38152-1	SOIL	GW-046	5/8/2013	ATGW046172013XX	FS	48	2

Notes:

FS = Field Sample FD = Field Duplicate

_	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·	r
			Location	GW-002	GW-021	GW-026	GW-026	GW-026	GW-043
1			COC Sample	ATGW002072013XX	ATGW002132013XX	ATGW026072013XD	ATGW026072013XX	ATGW026122013XX	ATGW043132013XX
			Date Sampled	05/09/13	05/09/13	05/08/13	05/08/13	05/08/13	05/08/13
			Sample Type	FS	FS	FD	FS	FS	FS
	-4 A	Barra de M	Report Number	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1
Fra	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
IN.	SW8260B	1,1,1-Trichloroethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	47 UJ	67 UJ	53 UJ	52 UJ	52 UJ	45 UJ
N 	SW8260B	1,1,2-Trichloroethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
IN.	SW8260B	1,1-Dichloroethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,1-Dichloroethene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2-Dibromoethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2-Dichlorobenzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2-Dichloroethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,2-Dichloropropane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,3-Dichlorobenzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	1,4-Dichlorobenzene	ug/kg	47 U	67 U -	53 U	52 U	52 U	45 U
N	SW8260B	2-Butanone	ug/kg	230 U	330 ∪	260 U	260 U	260 U	220 U
N	SW8260B	2-Hexanone	ug/kg	230 U	330 U	260 U	260 U	260 U	220 U
N	SW8260B	4-Methyl-2-pentanone	ug/kg	230 U	330 U	260 U	260 U	260 U	220 U
N	SW8260B	Acetic acid, methyl ester	ug/kg	47 U	72	53 U	52 U	52 U	45 U
N	SW8260B	Acetone	ug/kg	230 UJ	330 U	260 U	260 U	260 U	220 U
N	SW8260B	Benzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Bromodichloromethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Bromoform	ug/kg	47 UJ	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Bromomethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Carbon disulfide	ug/kg	47 UJ	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Carbon tetrachloride	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Chlorobenzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Chlorodibromomethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Chloroethane	ug/kg	47 UJ	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Chloroform	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Chloromethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	cis-1,3-Dichloropropene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Cyclohexane	ug/kg	47 UJ	67 UJ	, 23 NN	52 UJ	52 UJ	45 UJ
N	SW8260B	Dichlorodifluoromethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Ethyl benzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Isopropylbenzene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U

			Location	GW-002	GW-021	GW-026	GW-026	GW-026	GW-043
1			COC Sample	ATGW002072013XX	ATGW002132013XX	ATGW026072013XD	ATGW026072013XX	ATGW026122013XX	ATGW043132013XX
			Date Sampled	05/09/13	05/09/13	05/08/13	05/08/13	05/08/13	05/08/13
			Sample Type	FS	FS	FD	FS	FS	FS
			Report Number	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1
Fra	ct Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/kg	47 UJ	67 UJ	53 UJ	52 UJ	52 UJ	45 UJ
N	SW8260B	Methyl Tertbutyl Ether	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Methylene chloride	ug/kg	47 U	16 J	53 U	12 J	11 J	45 U
N	SW8260B	Styrene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Tetrachloroethene	ug/kg	47 U	58 J	53 U	52 U	230	190
N	SW8260B	Toluene	ug/kg	47 U	28 J	53 U	52 U	52 U	14 J
N	SW8260B	trans-1,2-Dichloroethene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	trans-1,3-Dichloropropene	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Tri <b>c</b> hloroethene	ug/kg	47 U	97	53 U	52 U	52 U	45 U
N	SW8260B	Trichlorofluoromethane	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Vinyl chloride	ug/kg	47 U	67 U	53 U	52 U	52 U	45 U
N	SW8260B	Xylenes, Total	ug/kg	94 U	130 U	110 U	100 U	100 U	89 U
N	E160.3	Percent Moisture	percent	16	29	18	18	15	16
N	E160.3	Percent Solids	percent	84	71	82	82	85	84

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

ug/kg = microgram per kilogram

TABLE 2
FINAL RESULTS SUMMARY
DATA USABILITY SUMMARY REPORT
MAY 2013 SOIL AND GROUNDWATER SAMPLING
DIAMOND CLEANERS SITE
ELMIRA, NEW YORK

			1	0111.0.10	011015	0144.045		
			Location	GW-043	GW-045	GW-045	GW-046	GW-046
			COC Sample	ATGW043152013XX	ATGW045122013XX	ATGW045162013XX	ATGW046142013XX	ATGW046172013XX
			Date Sampled	05/08/13	05/09/13	05/09/13	05/08/13	05/08/13
			Sample Type	FS	FS	FS	FS	FS
	el Amelicaio Bilathe d	Damana dan Nama	Report Number	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1
N	ct Analysis Method SW8260B	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N		1,1,2,2-Tetrachloroethane	ug/kg 	51 U	43 U	59 U	46 U	54 U
1	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	51 UJ	43 UJ	59 UJ	46 UJ	54 UJ
N N	SW8260B	1,1,2-Trichloroethane	ug/kg	51 U	43 U	59 U	46 U	54 U
1	SW8260B	1,1-Dichloroethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,1-Dichloroethene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2-Dibromoethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2-Dichlorobenzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2-Dichloroethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,2-Dichloropropane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,3-Dichlorobenzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	1,4-Dichlorobenzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	2-Butanone	ug/kg	250 U	220 U	290 U	230 U	270 U
N	SW8260B	2-Hexanone	ug/kg	250 U	220 U	290 U	230 U	270 U
N	SW8260B	4-Methyl-2-pentanone	ug/kg	250 U	220 U	290 U	230 U	270 U
N	SW8260B	Acetic acid, methyl ester	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Acetone	ug/kg	250 U	220 U	290 U	230 U	270 U
N	SW8260B	Benzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Bromodichloromethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Bromoform	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Bromomethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Carbon disulfide	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Carbon tetrachloride	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Chlorobenzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Chlorodibromomethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Chloroethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Chloroform	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Chloromethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/kg	17 J	43 U	59 U	46 U	54 U
N	SW8260B	cis-1,3-Dichloropropene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Cyclohexane	ug/kg	51 UJ	43 UJ	59 UJ	46 UJ	54 UJ
N	SW8260B	Dichlorodifluoromethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Ethyl benzene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Isopropylbenzene	ug/kg	51 U	43 U	59 U	46 U	54 U

			Location	GW-043	GW-045	GW-045	GW-046	GW-046
			COC Sample	ATGW043152013XX	ATGW045122013XX	ATGW045162013XX	ATGW046142013XX	ATGW046172013XX
			Date Sampled	05/08/13	05/09/13	05/09/13	05/08/13	05/08/13
			Sample Type	FS	FS	FS	FS	FS
			Report Number	480-38152-1	480-38152-1	480-38152-1	480-38152-1	480-38152-1
Fra	cl Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/kg	51 UJ	43 UJ	59 UJ	46 UJ	54 UJ
N	SW8260B	Methyl Tertbutyl Ether	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Methylene chloride	ug/kg	51 U	12 J	59 U	12 J	13 J
N	SW8260B	Styrene	ug/kg	51 U	43 U	59 U	- 46 U	54 U
N	SW8260B	Tetrachloroethene	ug/kg	470	49	310	46 U	150
N	SW8260B	Toluene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	trans-1,2-Dichloroethene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	trans-1,3-Dichloropropene	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Trichloroethene	ug/kg	51 U	43 U	39 J	46 U	54 U
N	SW8260B	Trichlorofluoromethane	ug/kg	51 U	43 U	59 U	46 U	54 U
N	SW8260B	Vinyl chloride	ug/kg	51 U	43 U	59 U	46 U ~	54 U
N	SW8260B	Xylenes, Total	ug/kg	100 U	87 U	120 U	92 U	110 U
Ν	E160.3	Percent Moisture	percent	19	12	22	13	19
N	E160.3	Percent Solids	percent	81	88	78	87	81

Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

ug/kg = microgram per kilogram

Prepared by / Date: KJC 06/26/13 Checked by / Date: TLC 07/12/13

						1		·	· · ·
			Location	GW-002	GW-013	GW-014	GW-021	GW-021	GW-026
			COC Sample	DCGW00212013XX	DCGW01312013XX	DCGW01413013XX	ATGW00212013XD	ATGW00212013XX	ATGW02612013XX
			Date Sampled	05/07/13	05/08/13	05/08/13	05/09/13	05/09/13	05/08/13
1			Sample Type	FS	FS	FS	FD	FS	FS
1			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38151-1	480-38151-1	480-38011-1
_	cl Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/i	0.12 J	1 U	1 U	1 U	1 Ü	5 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/i	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/i	1 UJ	1 U	1 U	1 U	1 U	5 UJ
N	SW8260B	1,1,2-Trichloroethane	ug/I	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	1,1-Dichloroethane	ug/I	1 U	1 U	1 U	1 U	1 Ü	5 U
N	SW8260B	1,1-Dichloroethene	ug/I	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/l	1 Ü	1 UJ	1 UJ	1 U	1 U	5 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/i	1 U	1 UJ	1 UJ	1 U	1 U	5 U
N	SW8260B	1,2-Dibromoethane	ug/I	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	1,2-Dichlorobenzene	ug/i	1 U	1 UJ	1 UJ	1 Ü	1 U	5 U
N	SW8260B	1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 UJ	2 J	5 U
N	SW8260B	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 Ü	1 U	5 U
N	SW8260B	1,3-Dichlorobenzene	ug/I	1 U	1 UJ	1 UJ	1 U	1 U	5 U
N	SW8260B	1,4-Dichlorobenzene	ug/l	1 U	1 UJ .	1 UJ	1 U	1 U	5 U
N	SW8260B	2-Butanone	ug/l	5 UJ	5 UJ	5 UJ	5 U	5 U	25 UJ
N	SW8260B	2-Hexanone	ug/l	5 U	5 UJ	5 UJ	5 UJ	5 UJ	25 U
N	SW8260B	4-Methyl-2-pentanone	ug/l	5 U	5 UJ	5 UJ	5 UJ	5 UJ	25 U
N	SW8260B	Acetic acid, methyl ester	ug/l	2 U	2 U	2 U	2 U	2 U	10 U
N	SW8260B	Acetone	ug/i	5 UJ	13 J	5 UJ	5 UJ	5 UJ	25 UJ
N	SW8260B	Benzene	ug/i	1 U	0.15 J	1 U	1 U	0.21 J	5 U
N	SW8260B	Bromodichloromethane	ug/i	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Bromoform	ug/l	1 U	1 UJ	1 UJ	1 U	1 U	5 UJ
N	SW8260B	Bromomethane	ug/l	1 U	1 UJ	1 UJ	1 U	1 U	5 U
N	SW8260B	Carbon disulfide	ug/l	1 U	0.42 J	0.31 J	1 Ü	1 U	5 U
N	SW8260B	Carbon tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Chlorobenzene	ug/l	1 U	1 U	. 1 U	1 U	1 U	5 U
N	SW8260B	Chlorodibromomethane	ug/l	1 U	1 UJ	1 UJ	1 U	1 U	5 U
N	SW8260B	Chloroethane	ug/i	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Chloroform	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Chloromethane	ug/I	1 U	1 U	1 U	1 U	. 10	5 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	1.7 J	1 U	2	1 U	1	63 J
N	SW8260B	cis-1,3-Dichloropropene	ug/I	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Cyclohexane	ug/I	1 UJ	1 U	1 U -	1 U	1 U	5 UJ
N	SW8260B	Dichlorodifluoromethane	ug/l	1 UJ	1 UJ	1 UJ .	1 U	1 U	5 UJ
N	SW8260B	Ethyl benzene	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Isopropylbenzene	ug/l	1 U	1 U	1 U	1 U	1 U	5 U

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			Location	GW-002	GW-013	GW-014	GW-021	GW-021	GW-026
			COC Sample	DCGW00212013XX	DCGW01312013XX	DCGW01413013XX	ATGW00212013XD	ATGW00212013XX	ATGW02612013XX
Ì			Date Sampled	05/07/13	05/08/13	05/08/13	05/09/13	05/09/13	05/08/13
			Sample Type	FS	FS	FS	FD	FS .	FS
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38151-1	480-38151-1	480-38011-1
Fr	aci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/l	1 U	1 U	1 U	1 U	1 U	5 UJ
N	SW8260B	Methyl Tertbutyl Ether	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Methylene chloride	ug/i	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Styrene	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Tetrachloroethene	ug/l	130	1 U	0.15 J	4.5 J	12 J	730
N	SW8260B	Toluene	ug/l	1 U	0.27 J	0.18 J	1 U	1 U	2 J
N	SW8260B	trans-1,2-Dichloroethene	ug/l	1 UJ	1 U	1 U	1 U	1 U	5 UJ
N	SW8260B	trans-1,3-Dichloropropene	ug/l	1 U	1 U	· 1 U	1 U	1 U	5 U
N	SW8260B	Trichloroethen <b>e</b>	ug/l	4.9	1 U	0.29 J	0.97 J	2.1 J	36
N	SW8260B	Trichlorofluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Vinyl chloride	ug/l	1 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Xylenes, Total	ug/l	3 U	3 U	3 U	3 U	3 U	15 U

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

		· · · · · · · · · · · · · · · · · · ·						<b>.</b>	
			Location	GW-043	GW-045	GW-046	MW-001	MW-001	MW-001R
1			COC Sample	ATGW04312013XX	ATGW04512013XX	ATGW04612013XX	ATMW00112013XX	DCMW00112013XX	ATMW001R12013XX
1			Date Sampled	05/08/13	05/09/13	05/08/13	05/07/13	05/07/13	05/07/13
			Sample Type	FS	FS	FS	FS	FS	FS
L			Report Number	480-38011-1	480-38151-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
-	cí Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Quai	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/l	10 U	5 U	0.34 J	1 U	1 U	1 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/l	10 U	5 U	1 U	1 Ü	1 U	1 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	10 U	5 Ü	1 UJ	1 UJ	1 UJ	1 U
N	SW8260B	1,1,2-Trichloroethane	ug/l	10 U	5 U	1 U	1 Ü	1 U	1 U
N	SW8260B	1,1-Dichloroethane	ug/I	10 U	5 U	1 U	1 Ü	1 U	1 U
N	SW8260B	1,1-Dichloroethene	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/l	10 UJ	5 U	1 U	1 UJ	1 U	1 UJ
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/I	10 UJ	5 U	1 U	1 UJ	1 U	1 UJ
N	SW8260B	1,2-Dibromoethane	ug/I	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichlorobenzene	ug/I	10 UJ	5 U	1 U	1 U	1 U	1 UJ
N	SW8260B	1,2-Dichloroethane	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloropropane	ug/l	10 U	5 U	1 U	1 ប	1 U	1 U
N	SW8260B	1,3-Dichlorobenzene	ug/l	10 UJ	5 U	1 U	1. U	1 U	1 UJ
N	SW8260B	1,4-Dichlorobenzene	ug/l	10 UJ	5 U	1 U	1 U	1 U	1 UJ
N	SW8260B	2-Butanone	ug/l	50 UJ	25 U	5 UJ	5 UJ	5 UJ	5 UJ
N	SW8260B	2-Hexanone	ug/l	50 UJ	25 UJ	5 U	5 U	5 U	5 UJ
N	SW8260B	4-Methyl-2-pentanone	ug/l	50 UJ	25 UJ	5 U	5 U	5 U	5 UJ
N	SW8260B	Acetic acid, methyl ester	ug/l	20 U	10 Ü	2 U	2 U	2 U	2 U
N	SW8260B	Acetone	ug/l	50 UJ	37 J	6 J	5 UJ.	5 UJ	5 UJ
N	SW8260B	Benzene	ug/l	10 U	5 U	0.33 J	25	1 Ü	8.8
N	SW8260B	Bromodichloromethane	ug/l	10 U	5 U	1 Ü	1 U	1 Ü	1 U
N	SW8260B	Bromoform	ug/l	10 UJ	5 U	1 UJ	1 UJ	1 Ü	1 UJ
N	SW8260B	Bromomethane	ug/l	10 UJ	5 U	1 U	1 UJ	1 U	1 UJ
N	SW8260B	Carbon disulfide	ug/I	2.7 J	5 U	0.18 J	1 U	1 U	0.15 J
N	SW8260B	Carbon tetrachloride	ug/I	10 U	5 U	1 Ü	1 Ü	1 U	1 U
N	SW8260B	Chlorobenzene	ug/I	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	10 UJ	5 U	1 U	1 U	1 U	1 UJ
N	SW8260B	Chloroethane	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroform	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloromethane	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	79 J	47	14 J	1 UJ	2.4 J	1 U
N	SW8260B	cis-1,3-Dichloropropene	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Cyclohexane	ug/i	10 U	5 U	1 UJ	52 J	1 UJ	14 J
N	SW8260B	Dichlorodifluoromethane	ug/l	10 UJ	5 U	1 UJ	1 UJ	1 UJ	1 UJ
N	SW8260B	Ethyl benzene	ug/I	10 U	5 U	1 U	130	1 U	27
N	SW8260B	Isopropylbenzene	ug/i	10 U	5 U	1 U	15	1 U	2

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Г			Location	GW-043	GW-045	GW-046	MW-001	MW-001	MW-001R
			COC Sample	ATGW04312013XX	ATGW04512013XX	ATGW04612013XX	ATMW00112013XX	DCMW00112013XX	ATMW001R12013XX
			Date Sampled	05/08/13	05/09/13	05/08/13	05/07/13	05/07/13	05/07/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38151-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
Fra	act Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Resuit Qual	Result Qual	Result Qual	Result Qual
Ν	SW8260B	Methyl cyclohexane	ug/l	10 U	5 U	1 UJ	18 J	1 U	8.9
N	SW8260B	Methyl Tertbutyl Ether	ug/l	10 U	5 U	0.88 J	5.3	1 U	3
N	SW8260B	Methylene chloride	ug/i	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Styrene	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Tetrachloroethene	ug/l	940	670	27	1 U	7.4	1 U
N	SW8260B	Toluene	ug/l	10 U	5 U	0.38 J	37	1 U	9.8
N	SW8260B	trans-1,2-Dichloroethene	ug/l	10 U	5 U	1 UJ	1 UJ	1 UJ	1 U
N	SW8260B	trans-1,3-Dichloropropene	ug/I	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Trichloroethene	ug/l	54 J	61	6.6	1 U	3.2	1 U
N	SW8260B	Trichlorofluoromethane	ug/I	10 U	5 U	1 U	1 U	1 U	1 U
N	SW8260B	Vinyl chloride	ug/l	10 U	5 U	1 U	1 U	1 U	1 U
Ν	SW8260B	Xylenes, Total	ug/l	30 U	15 U	3 U	140	3 U	27

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

			1 4	184/000	101/000	101/000	1 1111 222	I	I
ł			Location	MW-002	MW-002	MW-003	MW-003	MW-004	MW-004
			COC Sample	ATMW00212013XX	DCMW00212013XX	ATMW00312013XX	DCMW00312013XX	ATMW00412013XX	DCMW00412013XD
			Date Sampled	05/06/13	05/08/13	05/06/13	05/07/13	05/07/13	05/08/13
l			Sample Type	FS 480-38011-1	FS	FS 400 00044 4	FS	FS	FD
Fract A	analysis Method	Parameter Name	Report Number Units	Result Qual	480-38011-1 Result Qual	480-38011-1 Result Qual	480-38011-1 Result Qual	480-38011-1 Result Qual	480-38011-1 Result Qual
	W8260B	1,1,1-Trichloroethane	ug/I	5 U	0.087 J	1 U	0.11 J	1 U	Result Qual 5 U
1	W8260B	1,1,2,2-Tetrachloroethane	ug/I	5 U	1 U	1 U	1 U	1 U	5 U
	W8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	5 UJ
1	W8260B	1,1,2-Trichloroethane	ug/I	5 U	3.4	1 U	1 U	1 U	5 U
	W8260B	1,1-Dichloroethane	ug/l	5 U	1 U	1 U	1 0	1 U	5 U
	W8260B	1.1-Dichloroethene	ug/l	5 U	0.44 J	1 U	1 0	1 U	5 U
	W8260B	1,2,4-Trichlorobenzene	ug/l	5 U	1 U	1 U	1 0	1 U	5 U
'' "	W8260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	1 U	1 U	1 0	1 U	5 U
	W8260B	1,2-Dibromoethane	ug/l	5 U	1 U	1 0	1 0	1 0	5 U
	W8260B	1,2-Dichlorobenzene	ug/l	5 U	1 U	1 U	1 0	1 U	5 U
	W8260B	1,2-Dichloroethane	ug/l	5 U	2.1	1 U	1 0	1 U	5 U
-	W8260B	1,2-Dichloropropane	ug/l	5 U	1 U	1 U	1 U	1 U	5 U
	W8260B	1,3-Dichlorobenzene	ug/l	5 U	1 U	1 U	1 0	1 0	5 U
	W8260B	1,4-Dichlorobenzene	ug/l	5 U	1 U	1 U	1 0	1 0	5 U
_	W8260B	2-Butanone	ug/l	25 UJ	11 J	5 UJ	5 UJ	5 UJ	25 UJ
1	W8260B	2-Hexanone	ug/l	25 U	5 U	5 U	5 U	5 U	25 U
1	W8260B	4-Methyl-2-pentanone	ug/I	25 U	5 U	5 U	5 U	5 U	25 U
	W8260B	Acetic acid, methyl ester	ug/I	10 U	2 U	2 U	2 U	2 U	10 U
1	W8260B	Acetone	ug/i	25 UJ	2.8 J	5 UJ	5 UJ	5 UJ	25 UJ
i -	W8260B	Benzene	ug/I	920	0.17 J	1 U	1 U	80	25 UJ 5 U
	W8260B	Bromodichloromethane	ug/l	5 U	1 U	1 U	1 U	1 U	5 U
	W8260B	Bromoform	ug/l	5 UJ	1 U	1 UJ	1 U	1 UJ	5 UJ
	W8260B	Bromomethane	ug/l	5 U	0.25 J	1 U	1 U	1 U	5 U
_	W8260B	Carbon disulfide	ug/l	5 U	1 U	1 U	1 U	1 U	5 U
	W8260B	Carbon tetrachloride	ug/I	5 U	1 U	1 U	1 U	1 U	5 U
1	W8260B	Chiorobenzene	ug/l	5 U	1 U	1 U	1 U	1 U	5 U
	W8260B	Chlorodibromomethane	ug/l	5 U	89	1 U	1 U	1 U	5 U
1	W8260B	Chloroethane	ug/l	5 U	0.41 J	1 U	1 U	1 U	5 U
1	W8260B	Chloroform	ug/l	5 U	0.41 J	0.44 J	0.28 J	1 U	5 U
1	W8260B	Chloromethane	ug/I	5 U	0.19 J	1 U	1 U	1 0	5 U
1	W8260B	Cis-1,2-Dichloroethene	ug/l	5 UJ	220 J	1 UJ	14 J	1 UJ	9.4 J
	W8260B	cis-1,3-Dichloropropene	ug/I	5 U	1 U	1 U	1 U	1 U	5.4 5 5 U
	W8260B	Cyclohexane	ug/l	85 J	1 UJ	1 UJ	1 UJ	170 JH	5 UJ
	W8260B	Dichlorodifluoromethane	ug/l	5 UJ .	1 UJ	1 UJ	1 UJ	170 5H	5 UJ
N S	W8260B	Ethyl benzene	ug/l	370	1 U	1 U	1 U	47	5 U
N S	W8260B	Isopropylbenzene	ug/l	19	1 U.	1 U	1 U	14	5 U

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			Location	MW-002	MW-002	MW-003	MW-003	MW-004	MW-004
			COC Sample	ATMW00212013XX	DCMW00212013XX	ATMW00312013XX	DCMW00312013XX	ATMW00412013XX	DCMW00412013XD
			Date Sampled	05/06/13	05/08/13	05/06/13	05/07/13	05/07/13	05/08/13
			Sample Type	FS	FS	FS	FS	FS	FD
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
Frac	Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N.	SW8260B	Methyl cyclohexane	ug/l	60 J	0.18 J	1 UJ	1 U *	100 J	5 UJ
N	SW8260B	Methyl Tertbutyl Ether	ug/l	7	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Methylene chloride	ug/I	5 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Styrene	ug/I	5 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Tetrachloroethene	ug/l	2.9 J	100	1 U .	46	0.26 J	620
N	SW8260B	Toluene	ug/l	160	1 U	1 U	1 U	11	5 U
N	SW8260B	trans-1,2-Dichloroethene	ug/l	5 UJ	0.99 J	1 UJ	1 UJ	1 UJ	5 UJ
N	SW8260B	trans-1,3-Dichloropropene	ug/l	5 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Trichloroethene	ug/l	5 U	16	0.11 J	4.7	0.81 J	4.4 J
N	SW8260B	Trichlorofluoromethane	ug/I	5 U	1 U	1 U	1 U	1 U	5 U
N	SW8260B	Vinyl chloride	ug/i	5 U	0.93 J	1 U	1 U	1 U	5 U
N	SW8260B	Xylenes, Total	ug/I	660	3 U	3 U	3 U	13	15 U

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

_									
			Location	MW-004	MW-005	MW-006	MW-006	MW-007	MW-007
1			COC Sample	DCMW00412013XX	ATMW00512013XX	ATMW00612013XX	DCMW00612013XX	ATMW00712013XX	DCMW00712013XX
			Date Sampled	05/08/13	05/06/13	05/06/13	05/07/13	05/06/13	05/07/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
Fra	ici Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
N	SW8260B	1,1,2-Trichloroethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1-Dichloroethane	ug/l	5 U	1 U	0.15 J	0.25 J	1 U	1 U
N	SW8260B	1,1-Dichloroethene	ug/i	5 U	1 U	1 U	1 U	1 U	0.31 J
N	SW8260B	1,2,4-Trichlorobenzene	ug/I	5 UJ	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromoethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichlorobenzene	ug/l	5 U	1 U	1 U	1 Ü	1 U	1 U
N	SW8260B	1,2-Dichloroethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloropropane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,3-Dichlorobenzene	ug/l	5 U	1 U	0.43 J	1 U	1 U	1 U
N	SW8260B	1,4-Dichlorobenzene	ug/l	5 U	1 U	1.4	1 U	1 U	1 U
N	SW8260B	2-Butanone	ug/l	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
N	SW8260B	2-Hexanone	ug/l	25 U	5 U	5 U	5 U	5 U	5 U
N	SW8260B	4-Methyl-2-pentanone	ug/l	25 U	5 U	5 U	5 U	5 U	5 U
N	SW8260B	Acetic acid, methyl ester	ug/i	10 U	2 U	2 U	2 U	2 U	2 U
N	SW8260B	Acetone	ug/l	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
N	SW8260B	Benzene	ug/l	5 U	1 U	0.11 J	1 U	0.11 J	0.1 J
N	SW8260B	Bromodichloromethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Bromoform	ug/l	5 UJ	1 UJ	1 UJ	1 UJ `	1 UJ	1 U
N	SW8260B	Bromomethane	ug/I	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon disulfide	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon tetrachloride	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorobenzene	ug/i	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroform	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloromethane	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	10 J	1 UJ	1 UJ	13 J	0.55 J	130 J
N	SW8260B	cis-1,3-Dichloropropene	ug/l	5 U	. 1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cyclohexane	ug/l	5 UJ	1 UJ	1 UJ	1 UJ	0.63 J	1 UJ
N	SW8260B	Dichlorodifluoromethane	ug/l	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
N	SW8260B	Ethyl benzene	ug/I	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Isopropylbenzene	ug/l	5 U	1 U	0.1 J	1 U	1 U	1 U

			Location	MW-004	MW-005	MW-006	MW-006	MW-007	MW-007
			COC Sample	DCMW00412013XX	ATMW00512013XX	ATMW00612013XX	DCMW00612013XX	ATMW00712013XX	DCMW00712013XX
			Date Sampled	05/08/13	05/06/13	05/06/13	05/07/13	05/06/13	05/07/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
Fra	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/l	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U
N	SW8260B	Methyl Tertbutyl Ether	ug/l	5 U	0.14 J	1 U	1 U	3.9	1 U
N	SW8260B	Methylene chloride	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Styrene	ug/l	5 U	ົ 1 ປ	1 U	1 U	1 U	1 U
N	SW8260B	Tetrachloroethene	ug/l	660	1 U	1 U	0.11 J	. 1 U	190
N	SW8260B	Toluene	ug/l	5 U	1 Ü	1 U	1 U	1 U	1 U
N	SW8260B	trans-1,2-Dichloroethene	ug/l	5 ŲJ	1 UJ	0.23 J	1 UJ	1 UJ	0.74 J
N	SW8260B	trans-1,3-Dichloropropene	ug/l	5 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Trichloroethene	ug/l	3.7 J	1 U	1 U	0.39 J	1 U	29
N	SW8260B	Trichlorofluoromethane	ug/l	5 UJ	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Vinyl chloride	ug/l	5 U	1 U	1 U	0.21 J	1 Ü	1.1
N	SW8260B	Xylenes, Total	ug/l	15 U	3 U	3 U	3 U	3 U	3 U

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

			Location	MW-008	MW-008	MW-009	MW-009	MW-010	MW-011
			COC Sample	ATMW00812013XX	DCMW00812013XX	ATMW00912013XX	DCMW00912013XX	DCMW01012013XX	DCMW01112013XX
			Date Sampled	05/07/13	05/07/13	05/07/13	05/07/13	05/07/13	05/06/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
-	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Quai	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/l	47	1 U	1 U	0.12 J	1 U	1 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 UJ					
N	SW8260B	1,1,2-Trichloroethane	ug/l	1 U	. 1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1-Dichloroethane	ug/l	1.5	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1-Dichloroethene	ug/l	0.55 J	1 U	1 U	0.19 J	1 U	1 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromoethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	2-Butanone	ug/l	5 UJ					
N	SW8260B	2-Hexanone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
N	SW8260B	4-Methyl-2-pentanone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Ν	SW8260B	Acetic acid, methyl ester	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
N	SW8260B	Acetone	ug/l	5 UJ					
N	SW8260B	Benzene	ug/l	1 U	1 U	0.13 J	0.099 J	1 U	1 U
N	SW8260B	Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Bromoform	ug/l	1 UJ	1 U	1 U	1 UJ	1 U	1 UJ
N	SW8260B	Bromomethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon disulfide	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroform	ug/l	0.12 J	0.17 J	1 U	1 U	0.18 J	1 U
N	SW8260B	Chloromethane	ug/I	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	12 J	42 J	2.4 J	150 J	5.9 J	1 UJ
N	SW8260B	cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cyclohexane	ug/l	1 UJ	1 UJ	12 J	1 UJ	1 UJ	1 UJ
N	SW8260B	Dichlorodifluoromethane	ug/I	1 UJ					
N	SW8260B	Ethyl benzene	ug/l	1 U	1 U	11	1 U	1 U	1 U
N	SW8260B	Isopropylbenzene	ug/l	1 Ü	1 U	2.2	1 U	1 U	1 U

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			Location	MW-008	MW-008	MW-009	MW-009	MW-010	MW-011
			COC Sample	ATMW00812013XX	DCMW00812013XX	ATMW00912013XX	DCMW00912013XX	DCMW01012013XX	DCMW01112013XX
			Date Sampled	05/07/13	05/07/13	05/07/13	05/07/13	05/07/13	05/06/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1	480-38011-1
Fra	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/I	1 UJ	1 U	3.3	1 UJ	1 U	1 UJ
N	SW8260B	Methyl Tertbutyl Ether	ug/l	2	1 U	3.5	1 U	1 U	1.3
N	SW8260B	Methylene chloride	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Styrene	ug/l	1 U	1 U	1 บั	1 U	1 U	1 U
N	SW8260B	Tetrachloroethene	ug/l	1.5	85	2.1	50	270	0.15 J
N	SW8260B	Toluene	ug/i	1 U	1 U	1.5	1 U	1 U	1 U ·
N	SW8260B	trans-1,2-Dichloroethene	ug/i	0.13 J	0.33 J	1 UJ	0.81 J	1 UJ	1 UJ
N	SW8260B	trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 ป	1 U	1 U
N	SW8260B	Trichloroethene	ug/l	33	8.2	3	11	2.2	1.4
N	SW8260B	Trichlorofluoromethane	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
N	SW8260B	Vinyl chloride	ug/I	0.58 J	0.59 J	1 U	0.15 J	1 U	1 U
N	SW8260B	Xylenes, Total	ug/l	3 U	3 U	25	3 U	3 U	3 U

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

			·						
			Location	MW-012	MW-013	MW-014	MW-015	MW-016	MW-017
			COC Sample	DCMW1212013XX	DCMW1312013XX	DCMW1412013XX	DCMW1512013XX	DCMW1612013XX	DCMW1712013XX
			Date Sampled	05/08/13	05/08/13	05/08/13	05/08/13	05/09/13	05/09/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38011-1	480-38011-1	480-38151-1	480-38151-1	480-38151-1	480-38151-1
Frac	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	1,1,1-Trichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 Ü	1 U	1 U
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 ŲJ	1 UJ	1 U	1 U	1 U	1 U
N	SW8260B	1,1,2-Trichloroethane	ug/i	1 U	1 U	1 Ü	1 U	· 1U	1 U
N	SW8260B	1,1-Dichloroethane	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
N	SW8260B	1,1-Dichloroethene	ug/l	0.12 J	0.6 J	1 U	1 U	1 U	1 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
N	SW8260B	1,2-Dibromoethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 Ü	1 U
N	SW8260B	1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 Ü	1 U
N	SW8260B	2-Butanone	ug/l´	5 UJ	5 UJ	5 U	5 U	5 U	5 U
N	SW8260B	2-Hexanone	ug/l	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
N	SW8260B	4-Methyl-2-pentanone	ug/l	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
N	SW8260B	Acetic acid, methyl ester	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
N	SW8260B	Acetone	ug/l	5 UJ					
N	SW8260B	Benzene	ug/l	0.084 J	0.13 J	1 U	1 U	1 U	1 U
N	SW8260B	Bromodichloromethane	ug/l	1 Ü	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Bromoform	ug/l	1 U	1 UJ	1 U	1 U	· 1 U	1 U
N	SW8260B	Bromomethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon disulfide	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Carbon tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorobenzene	ug/l	1 U	1 Ü	1 U	1 U	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroform	ug/l	1 U	1 U	1 U	1 U	1 Ü	1 U
N	SW8260B	Chloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	81 J	270 J	92	1 U	2.7	8.1
N	SW8260B	cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cyclohexane	ug/l	1 UJ	1 UJ	1 U	1 U	1 U	1 U
N	SW8260B	Dichlorodifluoromethane	ug/l	1 UJ	1 UJ	1 U	1 U	1 U	1 U
N	SW8260B	Ethyl benzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Isopropylbenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U

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			Location	MW-012		MW	-013	MW-014	MW-	015	MW-	016	MW-	-017
			COC Sample	DCMW121201	зхх	DCMW13	12013XX	DCMW1412013XX	DCMW15	12013XX	DCMW16	12013XX	DCMW17	12013XX
			Date Sampled	05/08/13		05/0	8/13	05/08/13	05/08	3/13	05/09	9/13	05/0	9/13
		•	Sample Type	FS		F	s	FS	F:	3	FS	3	l F	s
1			Report Number	480-38011-1	1	480-38	3011-1	480-38151-1	480-38	151-1	480-38	151-1	480-38	3151-1
Frac	Analysis Method	Parameter Name	Units	Result Q	ual	Result	Qual	Result Qual	Result	Qual	Result	Qual	Result	Qual
N	SW8260B	Methyl cyclohexane	ug/I	1 U		1	UJ	1 U	1	J	1	U	1	U
N	SW8260B	Methyl Tertbutyl Ether	ug/l	1 U		1	u	1 U	1	j	1	U	1	U
N	SW8260B	Methylene chloride	ug/l	1 U		1	υ	1 U	1	١	1	U	1	U
N	SW8260B	Styrene	ug/i	1 U		1	u	1 U	1	ر	1 1	IJ	1	U
N	SW8260B	Tetrachloroethene	ug/I	200		250		150	1	ן נ	250		67	
N	SW8260B	Toluene	ug/i	1 U		1	u	1 U	1	ָ נ	1	U	1	U
N	SW8260B	trans-1,2-Di <b>c</b> hloroethene	ug/l	0.55 J		1.5	J	0.76 J	1	J	1	IJ	1	U
N	SW8260B	traris-1,3-Dichloropropene	ug/l	1 U		1	υ	1 U	1	ן נ	1	IJ	1	U
N	SW8260B	Trichloroethene	ug/l	24		54		19	1	ا ر	7.8		11	
N	SW8260B	Trichlorofluoromethane	ug/l	1 U		1	u	1 U	1	J	1	IJ	1	U
N	SW8260B	Vinyl chloride	ug/l	1 U		2.2		2.1	1	J	1 1	IJ	0.54	J
N	SW8260B	Xylenes, Total	ug/l	3 U		3	U	3 U	3	ا ر	3 1	U	3	U

### Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

			Location	MW-018	MW-019	MW-020	151/004	LEW COS	184,000
			COC Sample	DCMW1812013XX	DCMW1912013XX	DCMW2012013XX	MW-021	MW-022	MW-023
			Date Sampled	05/09/13	05/09/13	05/09/13	DCMW2112013XX	DCMW2212013XX	DCMW2312013XX
			Sample Type	03/09/13 FS	05/09/13 FS	FS	05/09/13 FS	05/09/13	05/09/13
}			Report Number	جع 480-38151-1	480-38151-1		ŀ	FS	FS
Fra	ci Analysis Method	Parameter Name	Units	Result Qual	Result Qual	480-38151-1 Result Qual	480-38151-1 Result Qual	480-38151-1	480-38151-1
N		1.1.1-Trichloroethane	ug/l	1 U	1 U	1 U	Result Qual	Result Qual	Result Qual
N	SW8260B	1,1,2,2-Tetrachioroethane	ug/l	1 U	1 U	1 0	1 U	1 U	
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/i ug/i	1 U	1 U	1 U	1 U	1 0	1 U
N	SW8260B	1,1,2-Trichloroethane	ug/I	1 U	1 U	1 0	1 U		1 U
N	SW8260B	1.1-Dichloroethane	ug/i ug/i	1 U	1 U	1 0	1 U	1 U	1 U
N	SW8260B	1,1-Dichloroethene	٠ ا	1 U	1 0	1 U	1	1 U	1 U
N	SW8260B	1,2,4-Trichlorobenzene	ug/l ug/l	1 U	1 0	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dibromo-3-chloropropane	·				1 U	1 U	1 U
N	SW8260B	1,2-Dibromo-3-chioropropane 1,2-Dibromoethane	ug/l	1 U 1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichlorobenzene	ug/l	_	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloroethane	ug/i	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	•	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	1,4-Dichloroberizene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	2-Butanone 2-Hexanone	ug/l	5 U	5 U	5 U	18	5 U	5 U
N	SW8260B SW8260B		ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
N		4-Methyi-2-pentanone	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
N N	SW8260B	Acetic acid, methyl ester	ug/l	2 U	2 U	2 U	2 U	2 U	2 U
N	SW8260B	Acetorie	ug/l 	5 UJ	36 J	5 UJ	440 J	5 UJ	5 UJ
N	SW8260B	Berizene	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
1	SW8260B	Bromodichloromethane	ug/i	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Bromoform	ug/l	1 U	1 U	1 Ü	4	1 U	1 U
N	SW8260B	Bromomethane	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
N	SW8260B	Carbon disulfide	ug/l	1 U	1 Ü	1 U	1 U	1 U	1 U
N	SW8260B	Carbon tetrachloride	ug/I	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chlorobenzene	ug/l	1 U	1 U	1 Ü	1 U	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Chloroform	ug/l	1 U	1 U	1 U	0.68 J	1 U	1 U
N	SW8260B	Chloromethane	ug/l	1 U	1 U	1 U	1 Ü	1 U	1 U
N	SW8260B	Cis-1,2-Dichloroethene	ug/l	84	2	100	1 U	12	1 U
N	SW8260B	cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Cyclohexane	ug/l	1 Ü	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Dichlorodifluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Ethyl benzene	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Isopropylbenzene	ug/l	1 U	1 U	1 Ü	1 Ü	1.4	1 U

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			Location	MW-018	MW-019	MW-020	MW-021	MW-022	MW-023
			COC Sample	DCMW1812013XX	DCMW1912013XX	DCMW2012013XX	DCMW2112013XX	DCMW2212013XX	DCMW2312013XX
1			Date Sampled	05/09/13	05/09/13	05/09/13	05/09/13	05/09/13	05/09/13
			Sample Type	FS	FS	FS	FS	FS	FS
			Report Number	480-38151-1	480-38151-1	480-38151-1	480-38151-1	480-38151-1	480-38151-1
Fra	aci Analysis Method	Parameter Name	Units	Result Qual	Result Quai	Result Qual	Result Qual	Result Qual	Result Qual
N	SW8260B	Methyl cyclohexane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Methyl Tertbutyl Ether	ug/l	1 U	1 U	1 U	1 U	1 U	1 Ü
N	SW8260B	Methylene chloride	ug/I	1 U	1 U	1 Ü	1 U	1 U	1 Ü
N	SW8260B	Styrene	ug/I	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Tetrachloroethene	ug/I	110	1.2	2	1 U	65	1
N	SW8260B	Toluene	ug/I	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	trans-1,2-Dichloroethene	ug/I	0.38 J	1 U	1 Ŭ	1 Ŭ	1 U	1 U
N	SW8260B	trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 Ŭ	1 U	1 U
N	SW8260B	Trichloroethene	ug/l	9.6	1 U	1.1	1 Ŭ	3	1 U
N	SW8260B	Trichlorofluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
N	SW8260B	Vinyl chloride	ug/l	1.4	1 U	6.2	1 U	2	1 U
N	SW8260B	Xylenes, Total	ug/l	3 U	3 U	3 U	3 U	3 U	3 U

Notes:

N = normal

FS = field sample

FD = field duplicate

U = not detected, value is the reporting limit

J = value is estimated

H = exceeds holding time

ug/l = microgram per liter

Prepared by / Date: KJC 06/26/13 Checked by / Date: TLC 07/12/13

			Location	QC	QC
			COC Sample	TRIP BLANK	TRIP BLANK
			Date Sampled	05/08/13	05/09/13
			Sample Type	U3/U6/13 TB	05/09/13 TB
			Report Number	, -	480-38151-1
Frac	Analysis Method	Parameter Name	Units	Result Qual	Result Qual
N	SW8260B	1.1.1-Trichloroethane	ug/l	1 U	1 U
N	SW8260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 0
N	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/I	1 U	1 0
N	SW8260B	1,1,2-Trichloroethane	ug/I	1 U	1 0
N	SW8260B	1,1-Dichloroethane	ug/i	1 U	1 0
N	SW8260B	1,1-Dichloroethene	ug/I	1 U	1 0
N	SW8260B	1,2,4-Trichlorobenzene	ug/l	1 U	1 1 0
N	SW8260B	1,2-Dibromo-3-chloropropane	ug/l	1 U	1 0
N	SW8260B -	1,2-Dibromoethane	ug/l	1 U	1 0
N	SW8260B	1,2-Dishonderiane	-		! · · -
N	SW8260B	1,2-Dichloroethane	ug/l	1 U 1 U	1 U 1 U
N	SW8260B	1,2-Dichloropropane	ug/l	1 U	ŀ
N	SW8260B	1,3-Dichlorobenzene	ug/l	1 U	1 U
! N	SW8260B	1,4-Dichlorobenzene	ug/l	1 U	1 U
N	SW8260B	2-Butanone	ug/l	, -	1 U
N	SW8260B	2-Hexanone	ug/l	5 U	5 U
N	SW8260B		ug/l	5 U	5 U
N	SW8260B	4-Methyl-2-pentanone	ug/l	5 U	5 U
N	SW8260B	Acetic acid, methyl ester Acetone	ug/l	2 U	2 U
N	SW8260B	Benzene	ug/l	5 U	5 U .
N	SW8260B SW8260B	Bromodichloromethane	ug/l	1 U	1 U
N	SW8260B SW8260B	Bromoform	ug/l	1 U	1 U
N	SW8260B	Bromonethane	ug/l	1 U	1 U
N	SW8260B	Carbon disulfide	ug/l	1 U	1 U
N	SW8260B	Carbon distillide Carbon tetrachloride	ug/l	1 U	1 U
N	SW8260B	Chlorobenzene	ug/l	1 U	1 U
N	SW8260B	0.110.000110	ug/l	1 U	1 U
N	SW8260B	Chlorodibromomethane	ug/l	1 U	1 U
N	SW8260B	Chloroethane	ug/l	1 U	1 U
N N	SW8260B	Chloroform	ug/l	1 U	1 U
N N	SW8260B SW8260B	Chloromethane	ug/l	1 U	1 U
		Cis-1,2-Dichloroethene	ug/l	1 U	1 U
N	SW8260B	cis-1,3-Dichloropropene	ug/I	1 U	1 U
N	SW8260B	Cyclohexane	ug/l	1 U	1 U
N	SW8260B	Dichlorodifluoromethane	ug/l	1 U	1 U
N	SW8260B	Ethyl benzene	ug/l	1 U	1 U
N	SW8260B	Isopropylbenzene	ug/l	1 U	1 U
N	SW8260B	Methyl cyclohexane	ug/l	1 U	1 U
N	SW8260B	Methyl Tertbutyl Ether	ug/I	1 U	1 U
N	SW8260B	Methylene chloride	ug/l	0.67 J	1 U
N	SW8260B	Styrene	ug/l	1 U	1 U
N	SW8260B	Tetrachloroethene	ug/l	1 U	1 U
N	SW8260B	Toluene	ug/l	1 U	1 U

			Location	QC	QC
		<u></u>	COC Sample	TRIP BLANK	TRIP BLANK
			Date Sampled	05/08/13	05/09/13
			Sample Type	TB	ТВ
ł			Report Number	480-38011-1	480-38151-1
Frac	Analysis Method	Parameter Name	Units	Result Qual	Result Qual
N	SW8260B	trans-1,2-Dichloroethene	ug/l	1 U	1 U
N	SW8260B	trans-1,3-Dichloropropene	ug/l	1 U	1 U
N	SW8260B	Trichloroethene	ug/I	1 Ü	1 U
N	SW8260B	Trichlorofluoromethane	ug/I	1 Ü	1 U
N	SW8260B	Vinyl chloride	ug/l	1 U	1 U
N	SW8260B	Xylenes, Total	ug/l	3 Ü	3 U

Prepared by / Date: KJC 06/26/13

Checked by / Date: TLC 07/12/13

Notes:

N = normal

TB = trip blank

U = not detected, value is the reporting limit

J = value is estimated

SDG	Lab Sample ID	Analytical Method	Field Sample ID	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
180-38011-1	480-38011-1		DCMW00412013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.0	U	5.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	1,2,4-Trichlorobenzene	5.0	U	5.0	UJ	MS-RPD	ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	2-Butanone	25	U		UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	Acetone	25	U	25	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	Bromoform	5.0	U	5.0	UJ	CCV%D	
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	Cis-1,2-Dichloroethene	10		10	J		ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	Cyclohexane	5.0	U *	5.0	UJ	CCV%D CCV%D	ug/l
80-38011-1	480-38011-1	SW8260B	DCMW00412013XX	Dichlorodifluoromethane	5.0	U		กา	<u> </u>	ug/l
80-38011-1	480-38011-1		DCMW00412013XX			11*	<del></del>	<del></del>	CCV%D, LCS-L, MS-L	ug/l
80-38011-1	480-38011-1	·	·;	Methyl cyclohexane	5.0	<del> </del>	5.0	UJ	CCV%D	ug/l
80-38011-1	<del></del>	SW8260B	DCMW00412013XX	trans-1,2-Dichloroethene	5.0	U	5.0	UJ	CCV%D	ug/l
	480-38011-1	·	DCMW00412013XX	Trichlorofluoromethane	5.0	U	·	UJ	MS-L	ug/l
30-38011-1	480-38011-10		ATMW00712013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-10		ATMW00712013XX	2-Butanone	5.0	U	<del>}</del>	UJ	ICVRRF, CCVRRF	ug/l
30-38011-1	480-38011-10	<del></del>	ATMW00712013XX	Acetone	5.0	U	<del></del>	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-10		ATMW00712013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-10	·)	ATMW00712013XX	Cis-1,2-Dichloroethene	0.55	J	0.55	J	CCV%D	ug/l
30-38011-1	480-38011-10	<del></del>	ATMW00712013XX	Cyclohexane	0.63	J*	0.63	J	CCV%D, LCS-H	ug/l
30-38011-1	480-38011-10	÷	ATMW00712013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
30-38011-1	480-38011-10		ATMW00712013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-10		ATMW00712013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-11		ATMW00312013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Bromoform	1.0	Ū	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Cis-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Cyclohexane	1.0	lu*	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Dichlorodifluoromethane	1.0	Ū	1.0	UJ	CCV%D, LCS-L	ug/l
30-38011-1	480-38011-11	SW8260B	ATMW00312013XX	Methyl cyclohexane	1.0	U*	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-11	<del></del>	ATMW00312013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-12		ATMW00212013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.0	u	<u> </u>		CCV%D	ug/l
30-38011-1	480-38011-12		ATMW00212013XX	2-Butanone	25	lu	25	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-12		ATMW00212013XX	Acetone	25	U	25	UJ	ICVRRF, CCVRRF	ug/i
30-38011-1	480-38011-12	<del></del>	ATMW00212013XX	Bromoform	5.0	11	5.0	UJ	CCV%D	
30-38011-1	480-38011-12	<del></del>	ATMW00212013XX	Cis-1,2-Dichloroethene	5.0	U	5.0	UJ	CCV%D	ug/l ug/l
30-38011-1	480-38011-12	<u> </u>	ATMW00212013XX	Cyclohexane	85	*	85	7	· · · · · · · · · · · · · · · · · · ·	<del></del>
30-38011-1	480-38011-12		ATMW00212013XX	Dichlorodifluoromethane	5.0	U	<del>}</del>		CCV%D, LCS-H	ug/l
30-38011-1 30-38011-1	480-38011-12		<del></del>		<del></del>	<u>U</u>	5.0		CCV%D, LCS-L	ug/l
30-38011-1 30-38011-1	480-38011-12		ATMW00212013XX	Methyl cyclohexane	60	ļ <del>.</del>	60	J	CCV%D, LCS-H	ug/l
30-38011-1 30-38011-1	480-38011-12	<del>}</del>	ATMW00212013XX	trans-1,2-Dichloroethene	5.0	U	}	UJ 	CCV%D	ug/l
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·	<del>/</del>	ATMW00412013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
30-38011-1	480-38011-13		ATMW00412013XX	2-Butanone	5.0	U	5.0		ICVRRF, CCVRRF	ug/l
30-38011-1	480-38011-13		ATMW00412013XX	Acetone	5.0	U	5.0		ICVRRF, CCVRRF	ug/l
30-38011-1	480-38011-13	·	ATMW00412013XX	Bromoform	1.0	U		UJ	CCV%D	ug/l
30-38011-1	480-38011-13		ATMW00412013XX	Cis-1,2-Dichloroethene	1.0	U			CCV%D	ug/l
30-38011-1	480-38011-13	SW8260B	ATMW00412013XX	Cyclohexane	170	H	170	JH	HT	ug/l

				ELIVINA, NEW TORK	•					
SDG	Lab Sample ID	Analytical Method	Field Sample ID	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
480-38011-1	480-38011-13	SW8260B	ATMW00412013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-13	SW8260B	ATMW00412013XX	Methyl cyclohexane	100	*	100	IJ	CCV%D, LCS-H	ug/l
480-38011-1	480-38011-13	SW8260B	ATMW00412013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/I
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	Ū	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	Acetone	5.0		5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	Bromoform	1.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-14		ATMW00812013XX	Cis-1,2-Dichloroethene	12		12	J	CCV%D	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	Methyl cyclohexane		U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-14	SW8260B	ATMW00812013XX	trans-1,2-Dichloroethene	0.13	J	0.13	J	CCV%D	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/I
480-38011-1	480-38011-15		DCMW00912013XX	Cis-1,2-Dichloroethene	150		150	J	CCV%D	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-15		DCMW00912013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-15	SW8260B	DCMW00912013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
	480-38011-15		DCMW00912013XX	trans-1,2-Dichloroethene	0.81	J	0.81	J	CCV%D	ug/l
480-38011-1	480-38011-16		DCMW00612013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-16	SW8260B	DCMW00612013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-16	SW8260B	DCMW00612013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
	480-38011-16	SW8260B	DCMW00612013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-16	SW8260B	DCMW00612013XX	Cis-1,2-Dichloroethene	13		13	J	CCV%D	ug/l
	480-38011-16	SW8260B	DCMW00612013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
	480-38011-16		DCMW00612013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
	480-38011-16		DCMW00612013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
	480-38011-16	SW8260B	DCMW00612013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
***************************************	480-38011-17		DCMW00312013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
	480-38011-17		DCMW00312013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
······································	480-38011-17		DCMW00312013XX	Acetone	5.0	U	5.0		ICVRRF, CCVRRF	ug/l
	480-38011-17		DCMW00312013XX	Cis-1,2-Dichloroethene	14		14	J	CCV%D	ug/l
	480-38011-17		DCMW00312013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
	480-38011-17		DCMW00312013XX	Dichlorodifluoromethane	1.0		1.0		CCV%D	ug/l
	480-38011-17		DCMW00312013XX	trans-1,2-Dichloroethene	1.0	U	1.0	·	CCV%D	ug/l
	480-38011-18		DCMW00112013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	ļ	1.0	}i	CCV%D	ug/l
	480-38011-18		DCMW00112013XX	2-Butanone	+		5.0	<u>}</u>	ICVRRF, CCVRRF	ug/l
	480-38011-18		DCMW00112013XX	Acetone	5.0		5.0	ý	ICVRRF, CCVRRF	ug/l
	480-38011-18		DCMW00112013XX	Cis-1,2-Dichloroethene	2.4	<u> </u>	2.4	i	CCV%D	ug/l
	480-38011-18		DCMW00112013XX	Cyclohexane	1.0	U *	1.0	<u> </u>	CCV%D	ug/l
	480-38011-18		DCMW00112013XX	Dichlorodifluoromethane	1.0	U	1.0		CCV%D	ug/l
480-38011-1	480-38011-18	SW8260B	DCMW00112013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l

				ELMIRA, NEW YORK	•					
SDG	Lab Sample ID	Analytical Method	Field Sample ID	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	Ų	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	Cis-1,2-Dichloroethene	5.9		5.9	J	CCV%D	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-19	SW8260B	DCMW01012013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	2-Butanone	25	U	25	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Acetone	25	U	25	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Bromoform	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Cis-1,2-Dichloroethene	9.4		9.4	J	CCV%D	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Cyclohexane	5.0	U *	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Dichlorodifluoromethane	5.0	U	5.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-2	SW8260B	DCMW00412013XD	Methyl cyclohexane	5.0	U *	5.0	UJ	CCV%D	ug/l
480-38011-1		SW8260B	DCMW00412013XD	trans-1,2-Dichloroethene	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20		DCGW01312013XX	1,2,4-Trichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	1,2-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	1,3-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ua/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	1,4-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	2-Hexanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20		DCGW01312013XX	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	Acetone	13		13	J	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ua/I
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	Bromomethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	Chlorodibromomethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-20	SW8260B	DCGW01312013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21		DCMW01112013XX	Cis-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/I
480-38011-1	480-38011-21	SW8260B	DCMW01112013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-21		DCMW01112013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-22		ATMW00612013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Bromoform	1.0	Ū	1.0		CCV%D	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Cis-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Cyclohexane	1.0	U *		ļ	CCV%D	ug/l

				ELMIRA, NEW YORK						
SDG	Lab Sample ID	Analytical Method	Field Sample ID	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	Methyl cyclohexane	1.0	U*	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-22	SW8260B	ATMW00612013XX	trans-1,2-Dichloroethene	0.23	J	0.23	J	CCV%D	ua/I
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ua/l
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/i
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	Cis-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-23		ATMW00512013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/I
480-38011-1	480-38011-23	SW8260B	ATMW00512013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	1,2,4-Trichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/I
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Bromomethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Cis-1,2-Dichloroethene	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Cyclohexane	52	*	52	J	CCV%D, LCS-H, MS-H	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, MS-L	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	Methyl cyclohexane	18		18	J	CCV%D	ug/l
480-38011-1	480-38011-24	SW8260B	ATMW00112013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	1,2,4-Trichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	1,2-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	1,3-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	1,4-Dichlorobenzene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	2-Hexanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Acetone	5.0	Ū	5.0	UJ	ICVRRF, CCVRRF	ua/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Bromomethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Chlorodibromomethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Cyclohexane	14	*	14	J	LCS-L	ug/l
480-38011-1	480-38011-25	SW8260B	ATMW001R12013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-26	SW8260B	ATMW00912013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-26	SW8260B	ATMW00912013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-26	SW8260B	ATMW00912013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-26	SW8260B	ATMW00912013XX	Cis-1,2-Dichloroethene	2.4		2.4	J	CCV%D	ug/l
480-38011-1	480-38011-26		ATMW00912013XX	Cyclohexane	12	*	12	J	CCV%D, LCS-H	ug/l
480-38011-1	480-38011-26	SW8260B	ATMW00912013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l

SDG	Lab Sample ID	Analytical Method	Field Sample ID	Porcerator	Lab	Lab	Final	Final	V-15	l
480-38011-1	ļ — — — — — — — — — — — — — — — — — — —	SW8260B	ATMW00912013XX	Parameter trans-1,2-Dichloroethene	Result	Qualifier	Result	Qualifier	Val Reason Code	Units
480-38011-1	480-38011-27		DCMW00812013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-27		DCMW00812013XX	2-Butanone	1.0	U	1.0		CCV%D	ug/I
480-38011-1	480-38011-27		DCMW00812013XX			1-	5.0	UJ	ICVRRF, CCVRRF	ug/I
480-38011-1	480-38011-27	·····	DCMW00812013XX	Acetone		U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-27			Cis-1,2-Dichloroethene	42	ļ	42	J	CCV%D	ug/l
480-38011-1	480-38011-27		DCMW00812013XX	Cyclohexane		U *	1.0	UJ	CCV%D	ug/l
180-38011-1	480-38011-27		DCMW00812013XX	Dichlorodifluoromethane	1.0	U	1.0		CCV%D	ug/l
180-38011-1			DCMW00812013XX	trans-1,2-Dichloroethene	0.33	J	0.33	J	CCV%D	ug/l
180-38011-1	480-38011-28		DCMW00712013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
180-38011-1	480-38011-28		DCMW00712013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
	480-38011-28		DCMW00712013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-28		DCMW00712013XX	Cis-1,2-Dichloroethene	130		130	J	CCV%D	ug/l
80-38011-1	480-38011-28		DCMW00712013XX	Cyclohexane	1.0	U *	1.0		CCV%D	ug/l
80-38011-1	480-38011-28		DCMW00712013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-28		DCMW00712013XX	trans-1,2-Dichloroethene		J	0.74	J	CCV%D	ug/l
80-38011-1	480-38011-29		DCGW00212013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane		U		UJ	CCV%D	ug/l
80-38011-1	480-38011-29		DCGW00212013XX	2-Butanone		U	5.0	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-29		DCGW00212013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-29		DCGW00212013XX	Cis-1,2-Dichloroethene	1.7		1.7	J	CCV%D	ug/l
80-38011-1	480-38011-29		DCGW00212013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
80-38011-1	·	SW8260B	DCGW00212013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-29	SW8260B	DCGW00212013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	2-Butanone	11		11		ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	Acetone	2.8	J	2.8	J	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	Cis-1,2-Dichloroethene	220		220	J	CCV%D	ug/I
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/i
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-3	SW8260B	DCMW00212013XX	trans-1,2-Dichloroethene	0.99	J	0.99	j	CCV%D	ug/l
80-38011-1	480-38011-30	SW8260B	DCGW01413013XX	1,2,4-Trichlorobenzene		U		UJ	CCV%D	ug/l
80-38011-1	480-38011-30	SW8260B	DCGW01413013XX	1,2-Dibromo-3-chloropropane	~ }	U	1.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-30	SW8260B	DCGW01413013XX	1,2-Dichlorobeпzene		U	1.0	<u> </u>	CCV%D	ug/l
80-38011-1	480-38011-30		DCGW01413013XX	1,3-Dichlorobenzene		U	1.0		CCV%D	ug/l
80-38011-1	480-38011-30	SW8260B	DCGW01413013XX	1,4-Dichlorobenzene		U	1.0	UJ	CCV%D	ug/i
80-38011-1	480-38011-30	SW8260B	DCGW01413013XX	2-Butanone		<u> </u>		ļ	ICVRRF, CCVRRF	ug/l
80-38011-1	480-38011-30		DCGW01413013XX	2-Hexanone			5.0	UJ	CCV%D	ug/l
80-38011-1	480-38011-30	· · · · · · · · · · · · · · · · · · ·	DCGW01413013XX	4-Methyl-2-pentanone			5.0		CCV%D	ug/l
80-38011-1	480-38011-30		DCGW01413013XX	Acetone				UJ	ICVRRF, CCVRRF	ug/i
	480-38011-30		DCGW01413013XX	Bromoform		U		UJ	CCV%D	ug/i ug/l
	480-38011-30		DCGW01413013XX	Bromomethane		U			CCV%D	
80-38011-1		SW8260B	DCGW01413013XX	Chlorodibromomethane		U		UJ	CCV%D	ug/l
80-38011-1		SW8260B	DCGW01413013XX	Dichlorodifluoromethane		U		UJ		ug/l
80-38011-1			DCMW1212013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	·	U		(CCV%D	ug/l
			}	2-Butanone					CCV%D ICVRRF, CCVRRF	ug/l

P:\Projects\nysdec1\Contract D007619\Projects\Diamond Cleaners - CO\3.0_Site_Data\3.4_Test_Results\Validation Files\ May 2013 Soil GW Tables 2+3.xls, Table 3

			•	ELMIRA, NEW YORK						
SDG	Lab Sample ID	Analytical Method	Field Sample ID	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
480-38011-1	480-38011-4	SW8260B	DCMW1212013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-4	SW8260B	DCMW1212013XX	Cis-1,2-Dichloroethene	81		81	J	CCV%D	ug/I
480-38011-1	480-38011-4	SW8260B	DCMW1212013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-4	SW8260B	DCMW1212013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-4	SW8260B	DCMW1212013XX	trans-1,2-Dichloroethene	0.55	J	0.55	J	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Acetone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Cis-1,2-Dichloroethene	270		270	J	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-5	SW8260B	DCMW1312013XX	trans-1,2-Dichloroethene	1.5		1.5	J	CCV%D	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	2-Butanone	25	U	25	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Acetone	25	U	25	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Bromoform	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Cis-1,2-Dichloroethene	63		63	J	CCV%D	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Cyclohexane	5.0	U *	5.0	UJ	CCV%D	ug/I
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Dichlorodifluoromethane	5.0	U	5.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	Methyl cyclohexane	5.0	U *	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-7	SW8260B	ATGW02612013XX	trans-1,2-Dichloroethene	5.0	U	5.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	1,2,4-Trichlorobenzene	10	U	10	UJ	CCV%D, MS-RPD	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	1,2-Dibromo-3-chloropropane	10	U	10	UJ	CCV%D, MS-RPD	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	1,2-Dichlorobenzene	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	1,3-Dichlorobenzene	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	1,4-Dichlorobenzene	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	2-Butanone	50	U	50	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	2-Hexanone	50	U	50	UJ	CCV%D, MS-RPD	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	4-Methyl-2-pentanone	50	U	50	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Acetone	50	U	50	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Bromoform	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Bromomethane	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Chlorodibromomethane	10	U	10	UJ	CCV%D	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Cis-1,2-Dichloroethene	79		79		MS-H	ug/l
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Dichlorodifluoromethane	10	U	10	UJ	CCV%D	ug/i
480-38011-1	480-38011-8	SW8260B	ATGW04312013XX	Trichloroethene	54		54	J	MS-H	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	2-Butanone	5.0	U	5.0	UJ	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Acetone	6.0		6.0	J	ICVRRF, CCVRRF	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Bromoform	1.0	U	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Cis-1,2-Dichloroethene	14		14	J	CCV%D	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l

	Lab Sample	Analytical			Lab	Lab	Final	Final		T
SDG	ID	Method	Field Sample ID	Parameter	Result	Qualifier	Result	Qualifier	Val Reason Code	Units
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Dichlorodifluoromethane	1.0	U	1.0	UJ	CCV%D, LCS-L	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	Methyl cyclohexane	1.0	U *	1.0	UJ	CCV%D	ug/l
480-38011-1	480-38011-9	SW8260B	ATGW04612013XX	trans-1,2-Dichloroethene	1.0	U	1.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-1	SW8260B	DCMW1412013XX	2-Hexanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-1	SW8260B	DCMW1412013XX	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-1	SW8260B	DCMW1412013XX	Acetone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	1,2-Dichloroethane	2.0		2.0	J	FD	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	2-Hexanone	5.0		5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	Acetone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	Tetrachloroethene	12		12	J	MS-L. FD	ug/l
480-38151-1	480-38151-10	SW8260B	ATGW00212013XX	Trichloroethene	2.1	<u> </u>	2.1	J	FD	ug/l
480-38151-1	480-38151-11	SW8260B	ATGW00212013XD	1,2-Dichloroethane	1.0	U	1.0	UJ	FD	ug/l
480-38151-1	480-38151-11	SW8260B	ATGW00212013XD	2-Hexanone	5.0	U	5.0	U.I	CCV%D	ug/l
480-38151-1	480-38151-11	SW8260B	ATGW00212013XD	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-11		ATGW00212013XD	Acetone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-11	SW8260B	ATGW00212013XD	Tetrachloroethene	4.5		4.5	J	MS-L, FD	ug/l
480-38151-1	480-38151-11		ATGW00212013XD	Trichloroethene	0.97	J	0.97	J	FD	ug/l
480-38151-1	480-38151-12	SW8260B	ATGW04512013XX	2-Hexanone	25	U	25	UJ	CCV%D	ug/l
480-38151-1	480-38151-12		ATGW04512013XX	4-Methyl-2-pentanone	25	1 -	25	UJ	CCV%D	ug/l
480-38151-1	480-38151-12	***************************************	ATGW04512013XX	Acetone	37	 	37	1.1	CCV%D	ug/l
480-38151-1	480-38151-13	SW8260B	DCMW2212013XX	2-Hexanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-13	SW8260B	DCMW2212013XX	4-Methyl-2-pentanone	5.0	1 -	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-13		DCMW2212013XX	Acetone	5.0		5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-14		DCMW1912013XX	2-Hexanone	5.0	}	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-14		DCMW1912013XX	4-Methyl-2-pentanone	5.0	<u> </u>	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-14		DCMW1912013XX	Acetone	36		36		CCV%D	ug/l
480-38151-1	3	SW8260B	DCMW1512013XX	2-Hexanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-2	SW8260B	DCMW1512013XX	4-Methyl-2-pentanone	5.0		5.0		CCV%D	ug/l
480-38151-1	480-38151-2	SW8260B	DCMW1512013XX	Acetone	5.0	}	5.0		CCV%D	ug/l
480-38151-1	480-38151-3	SW8260B	DCMW1712013XX	2-Hexanone	5.0	U	5.0		CCV%D	ug/l
480-38151-1	480-38151-3	SW8260B	DCMW1712013XX	4-Methyl-2-pentanone	5.0	Ū	5.0	UJ ·	CCV%D	ug/l
480-38151-1	480-38151-3	SW8260B	DCMW1712013XX	Acetone	5.0		5.0	·	CCV%D	ug/l
480-38151-1	480-38151-4	SW8260B	DCMW1812013XX	2-Hexanone	5.0	1 -	5.0		CCV%D	ug/l
480-38151-1	480-38151-4	SW8260B	DCMW1812013XX	4-Methyl-2-pentanone	5.0		5.0		CCV%D	ug/l
480-38151-1	480-38151-4	SW8260B	DCMW1812013XX	Acetone	5.0	U	5.0		CCV%D	ug/l
480-38151-1	480-38151-5	SW8260B	DCMW2012013XX	2-Hexanone	5.0	1	5.0		CCV%D	ug/l
480-38151-1	480-38151-5	SW8260B	DCMW2012013XX	4-Methyl-2-pentanone	5.0	U	5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-5	SW8260B	DCMW2012013XX	Acetone	5.0	Ū	5.0	UJ	CCV%D	ug/I
480-38151-1	480-38151-6	SW8260B	DCMW2112013XX	2-Hexanone	5.0		5.0	UJ	CCV%D	ug/l
480-38151-1	480-38151-6	SW8260B	DCMW2112013XX	4-Methyl-2-pentanone	5.0]	5.0		CCV%D	ug/l
480-38151-1	480-38151-6	SW8260B	DCMW2112013XX	Acetone	440	<u> </u>	440		CCV%D	ug/l
480-38151-1	480-38151-8	SW8260B	DCMW2312013XX	2-Hexanone	5.0		5.0	UJ	CCV%D	ug/l
480-38151-1		SW8260B	DCMW2312013XX	4-Methyl-2-pentanone	5.0		<u> </u>	<u> </u>	CCV%D	ug/l

480-38151-1 4		Method SW8260B	Field Sample ID	Parameter						
480-38151-1 4		CIMBORNE			Result	Qualifier	Result	Qualifier	Val Reason Code	Units
			DCMW2312013XX	Acetone	5.0		5.0	UJ	CCV%D	ug/l
1400 004-4		SW8260B	DCMW1612013XX	2-Hexanone	5.0		5.0	ŲJ	CCV%D	ug/l
			·	4-Methyl-2-pentanone	5.0		5.0	UJ	CCV%D	ug/l
		SW8260B	DCMW1612013XX	Acetone	5.0	ł	5.0	UJ	CCV%D	ug/l
		SW8260B	· [1,1,2-Trichloro-1,2,2-Trifluoroethane	52		52	UJ	CCV%D	ug/kg
				Cyclohexane	<u> </u>		52	UJ	CCV%D	ug/kg
			·	Methyl cyclohexane	52			UJ	CCV%D	ug/kg
		SW8260B	· ·	1,1,2-Trichloro-1,2,2-Trifluoroethane	43		43	UJ	CCV%D	ug/kg
	480-38152-10			Cyclohexane	43			UJ	CCV%D	ug/kg
	480-38152-10		ATGW045122013XX	Methyl cyclohexane	43			UJ	CCV%D	ug/kg
				1,1,2-Trichloro-1,2,2-Trifluoroethane	59	U	59	UJ	CCV%D	ug/kg
	***************************************	SW8260B	ATGW045162013XX	Cyclohexane	59	U	59	UJ	CCV%D	ug/kg
	480-38152-11	SW8260B	ATGW045162013XX	Methyl cyclohexane	59	U	59	UJ	CCV%D	ug/kg
	480-38152-2	SW8260B	ATGW026072013XD	1,1,2-Trichloro-1,2,2-Trifluoroethane	53	U	53	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-2	SW8260B	ATGW026072013XD	Cyclohexane	53	U	53	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-2	SW8260B	ATGW026072013XD	Methyl cyclohexane	53	U	53	UJ	CCV%D	ug/kg
	480-38152-3	SW8260B	ATGW026122013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	52	U	52	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-3	SW8260B	ATGW026122013XX	Cyclohexane	52	U	52	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-3	SW8260B	ATGW026122013XX	Methyl cyclohexane	52		52	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-4	SW8260B	ATGW043132013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	45	U	45	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-4	SW8260B	ATGW043132013XX	Cyclohexane	45	U	45	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-4	SW8260B		Methyl cyclohexane	45	U	45	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-5	SW8260B		1,1,2-Trichloro-1,2,2-Trifluoroethane	51	U	51	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-5	SW8260B	ATGW043152013XX	Cyclohexane	51	U	51		CCV%D	ug/kg
480-38152-1 4	480-38152-5	SW8260B	ATGW043152013XX	Methyl cyclohexane	51		51	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-6	SW8260B	ATGW046142013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	46	U	46	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-6	SW8260B	ATGW046142013XX	Cyclohexane	46	U	46	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Methyl cyclohexane	46	U	46		CCV%D	ug/kg
480-38152-1 4	480-38152-7		Ţ	1,1,2-Trichloro-1,2,2-Trifluoroethane	54			<u> </u>	CCV%D	ug/kg
480-38152-1 4	480-38152-7	SW8260B	ATGW046172013XX	Cyclohexane	54	U	54	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-7	SW8260B	ATGW046172013XX	Methyl cyclohexane	54		54		CCV%D	ug/kg
480-38152-1 4	480-38152-8	SW8260B	ATGW002132013XX	1,1,2-Trichloro-1,2,2-Trifluoroethane	67		67	UJ	CCV%D	ug/kg
				Cyclohexane	67			UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-8	SW8260B	ATGW002132013XX	Methyl cyclohexane	67	U	67	UJ	CCV%D	ug/kg
480-38152-1 4	480-38152-9			1,1,2-Trichloro-1,2,2-Trifluoroethane	47		47		CCV%D	ug/kg
		***************************************	}	Acetone		·		<u> </u>	MS-L	ug/kg
				Bromoform	47	<u> </u>			MS-L	ug/kg
	·	······································		Carbon disulfide	47		47	<u> </u>	MS-L	ug/kg
			}	Chloroethane					MS-L	ug/kg
			 	Cyclohexane			47	UJ	CCV%D	ug/kg
			ATGW002072013XX				47	UJ	CCV%D	ug/kg

Units:

ug/kg = microgram per kilogram

Validation Reason Codes:

CCV%D =

Prepared by / Date: KJC 06/26/13 Checked by / Date: TLC 07/12/13

TABLE 3

VALIDATION QUALIFICATION ACTION SUMMARY DATA USABILITY SUMMARY REPORT MAY 2013 SOIL AND GROUNDWATER SAMPLING

DIAMOND CLEANERS SITE ELMIRA, NEW YORK

	Lab Sample	Analytical			Lab	Lab	Final	Final			
SDG	ID	Method	Field Sample ID	Parameter	Result	Qualifier	Result	Qualifier	Val Reason Code	Units	
ug/l = microgr				CCVRRF =						•	
				FD =							
Validation Qua	<u>lifier:</u>			HT = Holding time for analysis exceeded					•		
J = Value is e	stimated			ICVRRF =							
U = not detec	ied, value is the re	porting limit		LCS-H = LCS recovery high							
H = Holding ti	me exceeded			LCS-L = LCS recovery low							
				MS-H = MS and/or MSD recovery high							
				MS-L = MS and/or MSD recovery low							
				MS-RPD = MS-MSD RPD limit exceeded							