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Summary of Initial (2010) Comprehensive Groundwater Sampling Event

Solvents Recovery Service of New England, Inc.
(SRSNE) Superfund Site
Southington, Connecticut

January 2011

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Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut

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SRSNE Site Group

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Summary of Initial (2010) Comprehensive Groundwater Sampling Event

SRSNE Superfund Site
Southington, Connecticut

1. Introduction

1.1 Purpose

As required by Section IV.B.5.b of the Statement of Work (SOW) for the Remedial Design/Remedial Action (RD/RA) activities at the Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site in Southington, Connecticut (the Site; Figure 1), an initial comprehensive groundwater sampling event was conducted in May-June 2010. The work was performed in general accordance with the *Monitoring Well Network Evaluation and Groundwater Monitoring Program* (Work Plan; Attachment N to the *Remedial Design Work Plan* [RDWP]; ARCADIS 2010), which was prepared to address Section V.C.1.m of the SOW. This *Summary of Initial (2010) Comprehensive Groundwater Sampling Event* (Groundwater Report) summarizes the scope and results of that groundwater sampling event. The sampling event was performed in accordance with the *Field Sampling Plan* (FSP; Attachment B to the *Remedial Design Project Operations Plan* [RD POP]), which was approved by the United States Environmental Protection Agency (USEPA) on October 8, 2010.

This summary of the 2010 comprehensive groundwater sampling event is not a SOW-required submittal, but was prepared nonetheless to summarize the scope and validated analytical results from the initial comprehensive groundwater sampling event. In addition, it provides a means and context for submittal of an updated and expanded set of cross-section maps that reflect recent well-installation and groundwater monitoring data, as requested by the USEPA. It is anticipated that results of future groundwater monitoring events will be summarized in the subsequent annual Monitored Natural Attenuation Reports (SOW Section VII.A.2) or Annual Statement of Compliance Reports (SOW Section VIII.B).

1.2 Document Organization

The remainder of the report is organized into four sections:

- **Section 2 – Scope of Work:** summarizes the groundwater sampling scope for activities described herein.

- **Section 3 – 2010 Comprehensive Groundwater Sampling Event:** summarizes the 2010 sampling event (methods and procedures), data

validation process, and resulting data summaries. It also presents a plume delineation assessment that reflects the 2010 data.

- **Section 4 – Summary and Recommendations:** summarizes the overall results of the sampling event and identifies recommended revisions to the analytical parameter list.

- **Section 5 – References:** lists the references that are cited in this report.

Various tables, figures and attachments are also included with this Groundwater Report and are referenced within the text.

2. Scope of Work

An initial comprehensive groundwater sampling event was performed in May-June 2010. In accordance with the Work Plan, groundwater samples were obtained from the following well groups and analyzed for these parameter groups.

Well Group	Analytical Parameters
"C" Wells	Volatile organic compounds (VOCs) 1,4-Dioxane Alcohols Target Analyte List (TAL) Metals Polycyclic aromatic hydrocarbons (PAHs) Polychlorinated biphenyls (PCBs)
"R" Wells "N" Wells	VOCs 1,4-Dioxane Alcohols TAL Metals PAHs PCBs Monitored natural attenuation (MNA) parameters
"M" Wells	TAL Metals (background) MNA parameters (background)
"B" Wells	TAL Metals (background)

The "C" wells are intended to be sampled during each of the comprehensive events (i.e., every five years). "R" wells will be sampled routinely after the first comprehensive event for VOCs (annually) and MNA parameters (every two years, or "biennially"). "N" wells are located between the railroad right-of-way and the Non-Time-Critical Removal Action (NTCRA) 1 sheet pile wall (i.e., within the NTCRA 1 Containment Area). "M" wells are background wells to be sampled biennially for TAL Metals and MNA parameters, while the "B" wells are additional background wells to be sampled every 5 years for TAL Metals only. Sampling frequencies for each well group were summarized in Table N-1 of the Work Plan.

Water-level measurements were collected from the well groups listed above, and 36 "W" wells and 3 stream gauge points (SG-1, SG-2 and SG-3), which are used for water level measurements only. The entire monitoring well network was surveyed in June/July 2010 as originally reported in the *Summary of Monitoring Well Network Modifications* (ARCADIS 2010). The well locations and measuring point elevations are summarized in Table 1. A

site plan depicting the current monitoring well network is included as Figure 2.

Groundwater gauging data were used to calculate groundwater elevations (Table 2) at each monitoring well. The groundwater elevation data were then used to create groundwater elevation contour maps for each of the five hydrostratigraphic zones. The resulting contour maps for the shallow, middle and deep overburden; and shallow and deep bedrock, are presented on Figures 3 through 7, respectively.

3. 2010 Comprehensive Groundwater Sampling Event

3.1 Overview

In May-June 2010, water level measurements were collected from three stream gauge points (Figure 2) and 161 monitoring wells, of which 123 were sampled and analyzed for the parameters listed in Section 2. The data obtained from the monitoring well network were used to further characterize the nature and extent of the plume of SRSNE-related constituents of concern (COCs).

3.2 Methods, Procedures and Deviations

3.2.1 Methods and Procedures

Groundwater gauging and sampling procedures employed during the initial comprehensive event followed those outlined in the FSP. Specifically, the following SOPs were utilized during this event:

- Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (Appendix B-1-10-A)
- Groundwater Purging and Sampling Procedures for Monitoring Well and Piezometers with Saturated Screen Lengths Greater than 10 Feet (Appendix B-1-10-B)
- Down-Hole Groundwater Field Parameter Measurement (Appendix B-1-12)
- Water-Level and Non-Aqueous Phase Liquid (NAPL) Thickness Measurement Procedures (Appendix B-1-13)
- Draft Calibration of Field Instruments (Appendix B-1-20)
- Field Equipment Decontamination (Appendix B-1-22)

3.2.2 Deviations

The following table summarizes the intended monitoring and sampling approach, as presented in Table N-1 of the Work Plan, as well as the actual number of wells sampled during the monitoring event:

Well Group	# Wells Intended	# Wells Monitored
"C" Wells	80	81
"R" Wells	26	25
"N" Wells	10	10
"M" Wells	5	4
"B" Wells	3	3
"W" Wells	36	36

The rationale for deviations from the intended approach are summarized below:

- An additional new "C" well (MW-910S) was installed and therefore not accounted for in the original Work Plan.

- Monitoring well CPZ-8R ("R" well) was not sampled due to the presence of NAPL in the well at the time of sampling.

- Monitoring well MW-901D ("M" well) had insufficient water at the time of sampling.

In addition to the above deviations, two subsequent sampling events were conducted that were not anticipated at the time the Work Plan was developed. Monitoring well MW-03 was re-sampled on August 31, 2010 and analyzed for PCBs to further assess "J-qualified" data below the specified reporting limit in the initial sample from this location collected on May 13, 2010. Also, three piezometers (PZ-903DR, PZ-907R and PZR-5R) were sampled on December 2-3, 2010 to supplement VOC data in their respective portions of the groundwater plume. Piezometer PZR-5R was resampled to confirm the VOC analytical results from May 2010, while data from previously unsampled piezometers PZ-903DR and PZ-907R were collected to provide baseline groundwater quality information at these locations. Field sampling forms and equipment calibration logs from the sampling event are included in Attachments A and B, respectively.

3.3 Summary of Results

Analytical data collected in May-June 2010 during the initial comprehensive groundwater sampling event were tabulated in Tables 3 through 7, as follows:

Table #	Analytical Parameter	Well Groups Included
3	VOCs + 1,4-Dioxane	C, R, N
4	PAHs	C, R, N
5	TAL Metals	C, R, N, M, B
6	Alcohols/PCBs	C, R, N
7	MNA Parameters	R, N, M

Data from the groundwater sampling event in August 2010 (MW-03) are included on Table 6, while the additional groundwater sampling at select wells in December 2010 are summarized on Table 8. Complete laboratory analytical reports are included in Attachment C.

3.4 Data Validation

Tier III data validation was performed in accordance with the site-specific Quality Assurance Project Plan (QAPP) – May 2010 and USEPA Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (July 1996; revised December 1996) to the extent that these guidelines apply to the analytical methods. Where discrepancies were identified, the specifications of the QAPP took precedence followed by the specifications of the analytical method. Professional judgment was applied as necessary and appropriate.

The data validation process is intended to evaluate data on a technical basis rather than a contract or method compliance basis. Emphasis is placed on *technical usability* of the data as opposed to method compliance. Data that are method compliant may not be usable and, conversely, data that are usable may not be method compliant.

During the validation process, laboratory data were verified against all available supporting documentation. Based on the review, qualifier codes were added, deleted, or modified by the data validator. The validated results were, therefore, either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Final validated results were annotated with the codes as defined by Region I. These codes were recorded on the data summary forms attached to the validation report, as well as the Recommendation Summary tables and Overall Evaluation of Data tables to qualify the results as appropriate according to the review of the data package.

All data users should note two facts. First, the "R" qualifier means that the laboratory-reported value is unusable. In other words, due to significant quality control problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Rejected values should not appear on data tables because they cannot be relied upon, even as a last resort. Second, no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable. Strict quality control conformance serves only to increase confidence in reported results; any analytical result will always contain some error.

All qualifiers and modifications made via the validation process are reflected in Tables 3 through 8.

3.5 Plume Delineation and Cross Sections

Data from the 2010 comprehensive groundwater sampling event were used to delineate the current plume of VOCs in each of the five hydrostratigraphic units. Geologic data from historical and the new subsurface borings (*Summary of Monitoring Well Network Modifications*; ARCADIS 2010) were used to generate geologic cross sections. In addition, groundwater elevations were posted on two representative cross sections to further illustrate hydraulic gradients.

Updated plume delineation maps were generated using VOC analytical data from the May-June 2010 event and presented in the Draft *Monitored Natural Attenuation Report*, which was submitted to the USEPA in September 2010. Using the approach that was initially presented in the *Remedial Investigation* (RI; Blasland, Bouck & Lee, Inc. [BBL] June 1998), groundwater VOC results were used to derive VOC regulatory exceedance ratios by dividing detected concentrations of VOCs by the lower of their respective groundwater regulatory criteria, which generally represent drinking water standards. Exceedance ratio values greater than 1.0 indicate that the detected VOC concentration exceeded the lower of the federal standard [Maximum Contaminant Level (MCL)] or the state standard [Connecticut Class GA Groundwater Protection Criteria (GWPC)]. Exceedance ratio values less than 1.0 indicate that the detected VOC concentration was less than the MCL or GWPC. The highest VOC exceedance ratio for each well, and the individual compound that produced the highest exceedance ratio at each well, are summarized for each hydrostratigraphic unit on Figures 8 through 12. These regulatory exceedance ratios were used to spatially define portions of groundwater at the Site that exceeded MCLs or GWPC, as shown by the light

green contour line on Figures 8 through 12. Plume maps for other COCs (i.e., metals and MNA parameters) were presented in the *MNA Report*. As shown on Figures 8 through 12, monitoring wells with site-related VOC exceedance ratios above 1.0 are within the estimated NTCRA 2 system capture zone boundary.

In addition, the dark green contours on Figures 8 through 12 delineate the zones where VOCs were detected above the Interim Cleanup Levels (ICLs) (i.e., any detection of VOCs).

Using data from historical borings and wells and the additional well installations performed between November 2009 and June 2010, Environmental Visualization System (EVS) software was used to develop nine geologic cross sections (two running generally north-south; seven oriented generally east-west). The locations of the nine cross sections are depicted on Figure 13. The nine cross sections – A-A' through I-I' – are presented as Figures 14 through 22, respectively. Also, the May 2010 hydraulic head data were posted and contoured on west-east cross section A-A' and north-south cross section B-B'.

4. Summary and Recommendations

In May-June 2010, the initial comprehensive groundwater sampling event was performed at the SRSNE Site in accordance with Section IV.B.5.b of the SOW, the Work Plan and the FSP. As indicated in Section 3.2.2, all but two monitoring wells (CPZ-8R and MW-901D) intended for sampling were sampled. Further, an additional "C" well (MW-910S) was installed during 2010 field activities and has been added to the active monitoring well network for future sampling events.

Analytical data from the May-June 2010 sampling event were initially presented in the September 2010 MNA Report. Those data are re-presented herein and reflect the data validation process that has been completed in the interim. The resulting plume delineation maps are presented in Figures 8 through 12. Relative to prior plume delineation maps presented in the RI report (ARCADIS 1998), these figures show that the area of affected groundwater is better defined and slightly reduced in areal extent. Note also that additional delineation of the overburden and bedrock plumes is anticipated east of the Quinnipiac River. Specifically, additional plume delineation work activities will be proposed in the general area east of monitoring well cluster MW-903. The scope and location of additional investigation will be developed in coordination with the USEPA and the resulting data will be presented in a future report submittal.

Based on the results of the 2010 comprehensive groundwater sampling event, and consistent with the recommendations from the September 2010 draft *MNA Report*, the following modifications to the sampling program are recommended:

- PCBs should be removed from the analytical parameter list for all future groundwater sampling events, as they were not detected at concentrations greater than MCLs, GWPC or ICLs during this initial comprehensive event (except at well MW-705DR, which historically has contained DNAPL).

- Several metals – antimony, cadmium, copper, beryllium, nickel, silver, thallium and zinc – were either not detected, or detected at concentrations below MCLs and GWPC. In addition, aluminum does not have an MCL or GWPC. These metals should be removed from the analytical parameter list for all future groundwater sampling events.

- Sulfide should be removed from the MNA parameter list, and monitoring for sulfide discontinued, as it was not detected in any samples at concentrations above the laboratory reporting limit of 0.04 milligrams per liter (mg/L).

- Alcohols were minimally detected in Site groundwater at locations within the VOC exceedance plume boundary. Given the limited detection of alcohols, ethanol, isopropanol, methanol and sec-butanol should be considered for removal from the COC list and monitoring for these constituents should be discontinued.

Future monitoring and sampling events will be performed in accordance with the schedule outlined in Table N-1 of the Work Plan. The following table summarizes proposed upcoming sampling events for 2011:

Well Group	Sample Date	# Wells to Sample	Analytical Parameters
"R" Wells	May-June	26	VOCs
"N" Wells	TBD*	10	VOCs MNA Parameters

*To be sampled after thermal treatment system start-up, which may or may not occur in 2011.

Note that two related evaluations were identified in the FSP and performed in conjunction with this event: an evaluation of the use of HydraSleeve™ samplers and an evaluation of the effect of using lesser purge volumes via the collection of supplemental field samples. Results of those evaluations will be reported under separate cover.

5. References

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USEPA. 2005. Record of Decision Summary, Solvents Recovery Service of New England, Inc. (SRSNE) Site, Southington, Connecticut. September 2005.

USEPA. 1996. Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses. July 1996; revised December 1996.

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Tables

Table 1 - Monitoring Well Network Survey Data
Sovents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Well ID	Northing[1]	Easting[1]	Ground Elevation[2]	Casing Elevation[2]	PVC Elevation[2]
CPZ-1	286106.6904	565212.6876	157.52	159.82	159.64
CPZ-10	286643.1104	565237.3675	159.41	161.20	161.03
CPZ-10R	286641.9371	565233.1212	159.05	163.60	162.94
CPZ-1R	286103.4436	565208.3784	157.44	161.34	161.12
CPZ-2A	286091.0453	565218.5612	156.44	158.99	158.82
CPZ-2R	286038.3663	565216.6677	156.65	161.15	160.97
CPZ-3	286162.5232	565289.8358	158.35	159.50	159.21
CPZ-3R	286157.7049	565286.3749	157.02	160.86	160.70
CPZ-4A	286146.4882	565300.7164	156.23	159.60	159.44
CPZ-4R	286085.0476	565322.1543	155.41	158.96	158.76
CPZ-5	286311.6461	565375.8426	156.21	159.16	158.68
CPZ-5R	286319.1088	565374.1348	156.76	158.67	158.30
CPZ-6	286325.1004	565479.6594	153.25	155.29	154.48
CPZ-6A	286320.8432	565396.0548	155.94	158.21	158.05
CPZ-6R	286317.5725	565479.8086	152.78	154.55	154.39
CPZ-7	286467.3623	565343.254	157.60	159.62	159.40
CPZ-7R	286471.8829	565338.1637	157.37	158.77	158.58
CPZ-8	286530.3304	565396.4656	157.23	160.27	160.11
CPZ-8R	286534.511	565394.5043	157.35	160.89	160.62
CW-1-78	285076.7975	565214.8187	157.74	158.46	NA
CW-2-78	285036.4144	565073.0946	161.12	163.52	NA
CW-4-75	285357.1092	565303.0102	150.38	151.28	NA
CW-B-77	285713.5101	565312.7758	151.69	151.86	NA
DN-3	286040.3412	565128.5492	164.21	165.77	165.65
MW-03	285065.0345	565508.9949	150.78	153.95	153.79
MW-05	286030.0289	565651.3991	147.53	150.81	150.52
MW-121A	285833.8881	565538.8242	150.82	153.41	152.96
MW-121B	285817.0718	565532.1574	150.87	153.20	152.91
MW-121C	285825.8355	565535.2709	150.98	153.38	152.93
MW-121M	285845.2443	565535.4729	151.01	153.96	153.83
MW-124C	285852.5468	565237.9664	156.17	158.14	158.00
MW-125C	286383.1731	565403.1559	154.29	156.46	156.30
MW-126B	287008.3643	565123.4773	163.01	163.01	162.41
MW-126C	287011.1992	565122.4417	163.19	163.19	162.60
MW-127B	285086.4694	565402.6537	147.75	150.44	150.22
MW-127C	285081.1102	565404.3985	147.53	150.18	149.96
MW-128	285327.6014	565212.2593	154.29	156.53	156.35
MW-202A	287224.817	566031.0295	156.74	156.74	156.08
MW-202B	287225.1829	566036.5976	156.87	156.87	156.39
MW-204A	285566.183	565669.018	148.99	150.99	150.78
MW-204B	285568.7323	565651.0908	149.07	150.91	150.54
MW-205A	284996.5884	565558.4591	150.22	152.54	152.19
MW-205B	284992.065	565550.8829	149.80	152.05	151.86
MW-209A	286263.4314	564582.0312	195.79	198.07	197.91
MW-209B	286258.0493	564582.2828	195.66	198.15	197.91
MW-413	286350.5399	565278.5494	158.04	160.68	160.49
MW-415	286346.1955	565275.3249	158.21	160.87	160.75
MW-416	286290.5909	565264.7464	157.38	160.11	159.98
MW-501A	286342.7739	565837.3062	169.20	169.20	169.02
MW-501B	286346.4198	565838.0611	169.12	169.12	168.92
MW-501C	286349.5787	565838.3386	169.04	169.04	168.79
MW-502	286269.7279	565495.2033	153.30	156.11	155.84
MW-701DR	286254.0577	564579.0589	196.23	198.94	198.69

Table 1 - Monitoring Well Network Survey Data
Sovents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Well ID	Northing[1]	Easting[1]	Ground Elevation[2]	Casing Elevation[2]	PVC Elevation[2]
MW-702DR	286074.0278	564913.1466	179.26	181.65	181.38
MW-703D	285097.5169	565299.6391	153.42	155.64	155.43
MW-703DR	285072.9856	565298.9162	153.22	153.67	153.33
MW-703S	285087.073	565298.6375	153.78	156.07	155.80
MW-704D	285591.1267	565540.4463	151.02	153.72	153.43
MW-704DR	285564.7585	565552.2697	150.57	152.94	152.84
MW-704M	285574.2273	565557.3817	150.68	153.02	152.34
MW-704R	285582.7003	565568.644	150.62	151.66	151.52
MW-704S	285583.505	565557.444	150.53	152.66	152.36
MW-705D	286754.0657	565421.899	159.60	161.97	161.44
MW-705DR	286749.3586	565430.3049	159.06	161.41	160.99
MW-705R	286743.9895	565423.0861	159.86	161.79	161.42
MW-706DR	286215.578	565666.9463	148.18	150.45	149.91
MW-707D	285102.5649	565598.6671	154.14	156.24	156.09
MW-707DR	285125.1215	565566.0747	155.88	157.06	156.80
MW-707M	285109.3698	565604.6152	153.89	155.60	155.14
MW-707R	285115.8706	565595.685	154.24	156.27	156.01
MW-707S	285115.6287	565609.0455	153.73	155.65	155.17
MW-708DR	286423.1285	566250.8972	221.24	224.34	224.19
MW-708M	286404.7405	566244.3723	222.56	225.56	225.35
MW-708R	286408.0224	566253.7443	222.77	225.06	224.95
MW-708S	286418.1055	566241.3108	221.54	224.23	223.95
MW-709DR	287091.7073	565403.1573	159.93	162.04	161.64
MW-709R	287091.4315	565403.4848	159.93	162.04	161.64
MW-710DR	284856.4947	566113.4228	165.36	165.36	165.15
MW-710R	284835.5297	566110.3237	164.99	164.99	164.68
MW-710S	284846.9534	566112.5591	165.35	165.35	165.11
MW-801R	285429.9393	565126.4995	152.83	154.87	154.58
MW-801S	285425.5639	565124.2964	152.99	154.78	154.35
MW-901D	286174.7487	564879.4342	179.08	181.18	181.00
MW-901R	286178.8959	564875.3813	176.52	179.18	178.96
MW-902D	286265.7788	565277.4206	157.59	160.18	159.96
MW-902M	286250.4561	565277.0237	157.89	160.65	160.39
MW-903D	286007.0133	565816.3021	170.56	173.77	173.61
MW-903M	286005.9982	565823.8539	170.78	174.02	173.87
MW-903R	286007.5209	565801.6559	170.05	174.06	173.77
MW-903S	286093.8966	565740.2156	169.13	169.13	168.57
MW-904D	286368.3668	565839.7976	168.45	168.45	167.94
MW-904S	286265.5112	565783.5344	151.50	155.86	155.74
MW-905M	285852.3975	565255.6248	155.65	158.13	157.91
MW-906D	286787.9414	565683.3594	151.79	156.12	156.01
MW-906M	286791.5418	565691.4897	151.97	156.03	155.89
MW-906R	286797.5231	565683.3437	152.00	155.91	155.73
MW-907D	285955.2419	565533.8427	152.81	154.99	154.75
MW-907M	285956.7075	565555.369	151.88	154.69	154.47
MW-907DR	285951.42	565572.0247	150.26	154.26	154.04
MW-908D	286121.155	565307.4976	156.45	160.33	159.85
MW-909D	286556.0315	565311.5378	158.71	161.61	161.44
MW-910S	286001.7665	565874.0001	172.63	176.66	176.50
MWL-303	286604.1582	565456.8568	157.12	159.01	158.70
MWL-304	286466.2736	565265.191	158.69	160.07	159.90
MWL-307	286297.3834	565259.5116	157.63	159.87	159.14

Table 1 - Monitoring Well Network Survey Data
Sovents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Well ID	Northing[1]	Easting[1]	Ground Elevation[2]	Casing Elevation[2]	PVC Elevation[2]
MWL-309	286302.2473	565504.9165	152.69	155.36	155.20
MWL-312	286153.6056	565509.0631	153.51	155.72	155.57
MWL-313	285992.3065	565351.9341	154.37	156.55	156.39
MWL-314	286000.8387	565502.3569	153.64	155.69	155.53
P-101A	286226.0643	565674.2007	148.22	150.56	150.32
P-101B	286232.0197	565675.0323	148.53	150.57	150.48
P-101C	286237.5685	565675.9772	148.72	151.34	150.61
P-102A	286458.6321	565701.5475	148.88	151.21	150.96
P-102B	286464.8101	565702.0663	149.00	151.86	150.95
P-102C	286471.1822	565702.0882	148.98	151.71	151.12
P-11A	286217.7886	565586.3719	151.14	152.90	152.73
P-11B	286219.1608	565577.1552	152.26	155.02	154.86
P-12	287115.4548	565321.0833	161.98	164.72	164.53
P-13	285851.6267	565242.5113	156.04	158.21	157.88
P-3A	286458.5769	565575.805	147.95	151.81	151.69
P-3B	286456.1406	565570.1098	147.89	149.96	149.76
P-5B	286286.5143	565390.8817	155.65	158.76	158.39
P-6	286294.2336	565499.4273	152.71	154.01	153.78
P-8A	286067.4786	564921.2847	179.56	181.43	181.26
P-8B	286063.6846	564918.069	179.42	181.29	181.05
PZ-903DR	286009.4709	565793.9787	170.13	174.37	174.21
PZ-906DR	286801.4361	565689.976	154.37	155.97	155.85
PZ-907R	285963.0806	565546.7105	152.87	154.47	154.35
PZO-121S	285819.5606	565547.4683	150.66	153.01	152.92
PZO-204M	285561.6645	565657.9519	149.16	151.49	151.15
PZO-2D	285340.0982	565578.819	152.38	154.44	154.14
PZO-2M	285328.7789	565585.6829	152.70	154.91	154.77
PZO-3D	285209.5773	565726.4803	150.92	153.46	153.14
PZO-3M	285210.9115	565736.2793	150.83	153.03	152.62
PZO-4D	285477.3902	565357.631	151.33	154.11	153.98
PZO-4M	285485.1735	565352.5879	151.19	153.74	153.63
PZR-1R	285404.7923	565720.2739	148.67	151.30	151.06
PZR-2DR	285318.6399	565579.4873	153.08	155.25	154.67
PZR-2R	285330.9669	565562.6796	152.05	154.02	153.78
PZR-3R	285220.4145	565743.8559	150.10	152.61	152.47
PZR-4DR	285463.7614	565387.3358	150.73	153.47	152.73
PZR-4R	285470.2661	565367.7881	152.14	154.17	153.72
PZR-5R	285531.568	565279.9095	151.89	154.75	154.56
SRS-1	285872.0419	565194.6217	160.17	160.93	160.74
SRS-3	285863.5517	565394.3367	151.50	152.69	152.46
TW-08A	286402.1158	565211.0793	159.44	162.21	161.97
TW-08B	286411.8864	565209.5367	159.42	162.24	162.01
TW-08D	286420.3762	565211.1925	158.90	161.69	161.48

Table 1 - Monitoring Well Network Survey Data
Sovents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Recovery Well ID	Northing[1]	Easting[1]	Ground Elevation[2]	Casing Elevation[2]	Top of Vault Elevation[2]
RW-1	286133.224	565265.1172	158.4±	157.61	159.54
RW-1R	285561.2626	565570.4636	149.1±	149.77	149.92
RW-2	286288.459	565376.2306	157.4±	156.49	158.08
RW-3	286383.4828	565363.8473	158.4±	157.35	159.27
RW-4	286497.6171	565313.6636	159.2±	158.21	160.04
RW-6	286412.7954	565225.9135	160.3±	159.38	161.72
RW-7	286113.5815	565223.0213	158.6±	157.09	159.06
RW-8	286179.7323	565304.0572	158.3±	156.95	158.89
RW-9	286237.9997	565344.018	158.0±	156.72	158.73
RW-10	286333.5226	565369.8725	157.4±	156.13	158.04
RW-11	286445.7798	565353.7824	158.6±	157.82	159.82
RW-12	286164.9003	565285.2824	158.6±	158.36	160.17
RW-13	285601.5546	565560.8107	150.5±	149.36	150.85
RW-14	285570.8678	565533.0085	151.9±	151.71	153.16

Notes:

1. Surface coordinates are referenced to the North American Datum of 1927 (NAD 27) coordinate system.
2. Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29).

Table 2 - Groundwater Elevation Data
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Well ID	Well Group[1]	Reference Elevation	Date	Depth to Water (ft)[2]	Depth to NAPL (ft)	NAPL Thickness (ft)	GW Elevation (ft)
CPZ-1	C	159.64	05/10/10	6.63	---	---	153.01
CPZ-3	C	159.21	05/10/10	10.03	---	---	149.18
CPZ-5	C	158.68	05/10/10	14.19	---	---	144.49
CPZ-6	C	154.48	05/10/10	4.33	---	---	150.15
CPZ-7	C	159.40	05/10/10	6.35	---	---	153.05
CPZ-8	C	160.11	05/10/10	5.97	---	---	154.14
CPZ-10	C	161.03	05/10/10	3.39	---	---	157.64
CPZ-1R	C	161.12	05/10/10	1.58	---	---	159.54
CPZ-2R	C	160.97	05/10/10	1.41	---	---	159.56
CPZ-3R	C	160.70	05/10/10	6.38	---	---	154.32
CPZ-4R	C	158.76	05/10/10	6.21	---	---	152.55
CPZ-5R	C	158.30	05/10/10	10.35	---	---	147.95
CPZ-6R	C	154.39	05/10/10	5.28	---	---	149.11
CPZ-7R	C	158.58	05/10/10	1.82	---	---	156.76
CPZ-8R	R	160.62	05/10/10	6.81	sheen	---	153.81
CPZ-10R	C	162.94	05/10/10	2.09	---	---	160.85
CPZ-2A	C	158.82	05/10/10	5.64	---	---	153.18
CPZ-4A	R	159.44	05/10/10	9.10	---	---	150.34
CPZ-6A	C	158.05	05/10/10	7.89	---	---	150.16
CW-1-78	W	158.46	05/10/10	10.31	---	---	148.15
CW-4-75	W	151.28	05/10/10	3.52	---	---	147.76
CW-B-77	W	151.86	05/10/10	3.81	---	---	148.05
DN-3	C	165.65	05/10/10	7.41	---	---	158.24
MW-03	R	153.79	05/10/10	6.65	---	---	147.14
MW-05	C	150.52	05/10/10	1.55	---	---	148.97
MW-121A	C	152.96	05/10/10	4.87	---	---	148.09
MW-121B	R	152.91	05/10/10	5.04	---	---	147.87
MW-121C	R	152.93	05/10/10	4.97	---	---	147.96
MW-121M	R	153.83	06/29/10	7.12	---	---	147.81*
MW-124C	R	158.00	05/10/10	6.08	---	---	151.92
MW-125C	C	156.30	05/10/10	6.56	---	---	149.74
MW-126B	M	162.41	05/10/10	2.08	---	---	160.33
MW-126C	B	162.60	05/10/10	1.10	---	---	161.50
MW-127B	C	150.22	06/29/10	4.11	---	---	147.21*
MW-127C	R	149.96	05/10/10	2.89	---	---	147.07
MW-128	C	156.35	06/29/10	10.36	---	---	147.29*
MW-202A	W	156.08	05/10/10	6.13	---	---	149.95
MW-202B	W	156.39	05/10/10	6.44	---	---	149.95
MW-204A	C	150.78	05/10/10	3.01	---	---	147.77
MW-204B	C	150.54	05/10/10	2.82	---	---	147.72
MW-205A	W	152.19	05/10/10	5.20	---	---	146.99
MW-205B	C	151.86	05/10/10	5.07	---	---	146.79
MW-209A	B	197.91	05/10/10	21.90	---	---	176.01
MW-209B	B	197.91	05/10/10	15.82	---	---	182.09
MW-413	N	160.49	05/10/10	5.22	---	---	155.27
MW-415	N	160.75	05/10/10	5.41	---	---	155.34
MW-416	N	159.98	05/12/10	7.55	---	---	152.43
MW-501A	C	169.02	05/10/10	19.44	---	---	149.58
MW-501B	C	168.92	05/10/10	19.51	---	---	149.41
MW-501C	C	168.79	05/12/10	21.15	---	---	147.64
MW-502	R	155.84	05/10/10	6.32	---	---	149.52
MW-701DR	M	198.69	05/10/10	17.26	---	---	181.43
MW-702DR	W	181.38	05/10/10	17.41	---	---	163.97

Table 2 - Groundwater Elevation Data
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Well ID	Well Group[1]	Reference Elevation	Date	Depth to Water (ft)[2]	Depth to NAPL (ft)	NAPL Thickness (ft)	GW Elevation (ft)
MW-703D	C	155.43	05/10/10	8.36	---	---	147.07
MW-703DR	C	153.33	05/10/10	5.42	---	---	147.91
MW-703S	C	155.80	05/10/10	8.80	---	---	147.00
MW-704D	R	153.43	05/10/10	5.98	---	---	147.45
MW-704DR	R	152.84	05/12/10	35.32	---	---	117.52
MW-704M	R	152.34	05/10/10	5.21	---	---	147.13
MW-704R	C	151.52	05/10/10	5.31	---	---	146.21
MW-704S	C	152.36	06/29/10	6.18	---	---	146.78*
MW-705D	C	161.44	05/10/10	3.98	---	---	157.46
MW-705DR	R	160.99	05/10/10	3.72	---	---	157.27
MW-705R	C	161.42	05/10/10	5.95	---	---	155.47
MW-706DR	R	149.91	05/10/10	0.71	---	---	149.20
MW-707D	C	156.09	05/10/10	8.79	--	---	147.30
MW-707DR	R	156.80	05/10/10	9.62	---	---	147.18
MW-707M	C	155.14	05/12/10	7.91	---	---	147.23
MW-707R	C	156.01	05/12/10	8.48	---	---	147.53
MW-707S	C	155.17	05/12/10	7.92	---	---	147.25
MW-708S	W	223.95	05/10/10	73.66	---	---	150.29
MW-708M	W	225.35	05/10/10	74.46	---	---	150.89
MW-708R	W	224.95	05/10/10	72.90	---	---	152.05
MW-708DR	W	224.19	05/10/10	74.35	---	---	149.84
MW-709R	C	161.64	05/10/10	4.37	---	---	157.27
MW-709DR	C	161.64	05/10/10	2.93	---	---	158.71
MW-710S	W	165.11	05/10/10	15.11	---	---	150.00
MW-710R	C	164.68	05/10/10	15.73	---	---	148.95
MW-710DR	C	165.15	05/10/10	16.08	---	---	149.07
MW-801S	W	154.35	05/10/10	6.16	---	---	148.19
MW-801R	W	154.58	05/10/10	5.44	---	---	149.14
MW-901D	M	181.00	05/10/10	DRY	---	---	NC
MW-901R	M	178.96	05/10/10	17.60	---	---	161.36
MW-902M	N	160.39	05/10/10	8.30	---	---	152.09
MW-902D	N	159.96	05/10/10	8.80	---	---	151.16
MW-903S	C	168.57	05/10/10	21.08	---	---	147.49
MW-903M	C	173.87	05/10/10	24.82	---	---	149.05
MW-903D	C	173.61	05/10/10	24.50	---	---	149.11
MW-903R	C	173.77	06/29/10	26.01	---	---	149.06*
MW-904S	C	155.74	05/12/10	8.24	---	---	147.50
MW-904D	C	167.94	05/12/10	19.58	---	---	148.36
MW-905M	C	157.91	05/10/10	8.01	---	---	149.90
MW-906M	C	155.89	05/12/10	8.17	---	---	147.72
MW-906D	C	156.01	06/29/10	7.28	---	---	149.33*
MW-906R	C	155.73	06/29/10	5.57	---	---	151.46*
MW-907M	R	154.47	05/10/10	6.11	---	---	148.36
MW-907D	R	154.75	05/10/10	6.63	---	---	148.12
MW-907DR	R	154.04	06/29/10	0.00	---	---	155.04*
MW-908D	C	159.85	05/10/10	9.29	---	---	150.56
MW-909D	C	161.44	05/10/10	5.54	---	---	155.90
MW-910S	C	176.50	06/29/10	29.81			147.29*
MWL-303	C	158.70	05/10/10	8.80	---	---	149.90
MWL-304	N	159.90	05/10/10	3.75	---	---	156.15
MWL-307	N	159.14	05/10/10	4.85	---	---	154.29
MWL-309	R	155.20	05/10/10	4.91	---	---	150.29
MWL-312	C	155.57	05/10/10	6.56	---	---	149.01

Table 2 - Groundwater Elevation Data
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Well ID	Well Group[1]	Reference Elevation	Date	Depth to Water (ft)[2]	Depth to NAPL (ft)	NAPL Thickness (ft)	GW Elevation (ft)
MWL-313	C	156.39	05/10/10	7.35	---	---	149.04
MWL-314	W	155.53	05/10/10	7.23	---	---	148.30
P-101A	C	150.32	05/10/10	1.10	---	---	149.22
P-101B	R	150.48	05/10/10	1.20	---	---	149.28
P-101C	R	150.61	05/10/10	3.65	---	---	146.96
P-102A	C	150.96	05/10/10	1.38	---	---	149.58
P-102B	C	150.95	05/10/10	1.61	---	---	149.34
P-102C	C	151.12	05/10/10	3.59	---	---	147.53
P-11A	R	152.73	05/10/10	4.44	---	---	148.29
P-11B	C	154.86	05/10/10	5.94	---	---	148.92
P-12	M	164.53	05/10/10	6.15	---	---	158.38
P-13	R	157.88	05/10/10	9.99	---	---	147.89
P-3A	C	151.69	05/10/10	2.86	---	---	148.83
P-3B	C	149.76	05/10/10	0.73	---	---	149.03
P-5B	C	158.39	05/10/10	6.09	---	---	152.30
P-6	C	153.78	05/10/10	4.61	---	---	149.17
P-8A	W	181.26	05/10/10	17.61	---	---	163.65
P-8B	W	181.05	05/10/10	15.95	---	---	165.10
PZ-903DR	W	174.21	06/29/10	26.62	---	---	148.59*
PZ-906DR	W	155.85	05/12/10	2.88	---	---	152.97
PZ-907R	W	154.35	05/10/10	5.01	---	---	149.34
PZO-2D	R	154.14	05/10/10	6.73	---	---	147.41
PZO-2M	R	154.77	05/10/10	7.30	---	---	147.47
PZO-3D	C	153.14	05/10/10	4.94	---	---	148.20
PZO-3M	C	152.62	05/10/10	5.21	---	---	147.41
PZO-4M	C	153.63	05/10/10	6.11	---	---	147.52
PZO-4D	C	153.98	05/10/10	6.26	---	---	147.72
PZO-121S	W	152.92	05/10/10	4.70	---	---	148.22
PZO-204M	C	151.15	05/10/10	3.48	---	---	147.67
PZR-1R	W	151.06	05/10/10	1.64	---	---	149.42
PZR-2DR	C	154.67	05/10/10	7.31	---	---	147.36
PZR-2R	R	153.78	05/10/10	6.41	---	---	147.37
PZR-3R	C	152.47	05/10/10	4.37	---	---	148.10
PZR-4R	C	153.72	05/10/10	5.99	---	---	147.73
PZR-4DR	C	152.73	05/10/10	1.17	---	---	151.56
PZR-5R	C	154.56	05/10/10	5.31	---	---	149.25
RW-1[3]	W	157.61	05/10/10	14.70	---	---	142.91
RW-2[3]	W	156.49	05/10/10	18.86	---	---	137.63
RW-3[3]	W	157.35	05/10/10	15.44	---	---	141.91
RW-4[3]	W	158.21	05/10/10	13.80	---	---	144.41
RW-5[3,4]	--	NS	05/10/10	2.93	---	---	NC
RW-6[3]	W	159.38	05/10/10	2.71	---	---	156.67
RW-7[3]	W	157.09	05/10/10	12.97	---	---	144.12
RW-8[3]	W	156.95	05/10/10	17.50	---	---	139.45
RW-9[3]	W	156.72	05/10/10	18.30	---	---	138.42
RW-10[3]	W	156.13	05/10/10	18.06	---	---	138.07
RW-11[3]	W	157.82	05/10/10	17.11	---	---	140.71
RW-12[3]	W	158.36	05/10/10	14.40	---	---	143.96
RW-13	W	149.36	05/10/10	51.80	---	---	97.56
RW-14[3]	W	151.71	05/10/10	29.49	---	---	122.22
RW-1R[3]	W	149.77	05/10/10	34.10	---	---	115.67
SRS-1	C	160.74	05/10/10	6.52	---	---	154.22
SRS-3	C	152.46	05/10/10	3.38	---	---	149.08

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Table 2 - Groundwater Elevation Data
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Well ID	Well Group[1]	Reference Elevation	Date	Depth to Water (ft)[2]	Depth to NAPL (ft)	NAPL Thickness (ft)	GW Elevation (ft)
TW-08A	N	161.97	05/10/10	5.93	---	---	156.04
TW-08B	N	162.01	05/10/10	5.89	---	---	156.12
TW-08D	N	161.48	06/29/10	6.60	---	---	155.48*
Stream Gauge Points							
SG-1	--	155.58	05/10/10	8.14	---	---	147.44
SG-2	--	154.44	05/10/10	9.33	---	---	145.11
SG-3	--	153.56	05/10/10	6.98	---	---	146.58

Notes:

NAPL - non-aqueous phase liquid

ft - feet

NS - not surveyed

NC - not calculated

--- - indicates NAPL was not present

* - Equivalent May 2010 groundwater elevations calculated for these wells that were monitored in June 2010 using the following correction factors:

Shallow overburden +0.6 feet (based on average change between May 2010 and June 2010 at wells MW-707S and PZO-121S)

Middle overburden +1.1 feet (based on average change between May 2010 and June 2010 at wells MW-03, MW-704M and MW-907M)

Deep overburden +0.6 feet (based on average change between May 2010 and June 2010 at wells MW-904D and MW-202B)

Shallow bedrock +1.3 feet (based on average change between May 2010 and June 2010 at wells MW-127C, PZR-5R, MW-501A and P-102A)

Deep bedrock +1.0 feet (based on average change between May 2010 and June 2010 at well MW-706DR)

1. Well groups are defined in Section 2 of the report.
2. Fluid level measurements were conducted by ARCADIS and O&M, Inc.
3. Wells gauged by Weston Solutions.
4. RW-5 is to be abandoned and is therefore not assigned to a Well Group.

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					CPZ-1		CPZ-1R		CPZ-2A		CPZ-2R		CPZ-3		CPZ-3		CPZ-3R		CPZ-4A		CPZ-4R		CPZ-5	
Sample Date					5/18/2010		5/20/2010		5/20/2010		5/18/2010		5/21/2010		5/21/2010		5/24/2010		5/19/2010		5/19/2010		5/24/2010	
Field Sample ID					CPZ-1-05182010		CPZ-1R-05202010		CPZ-2A-05202010		CPZ-2R-05182010		CPZ-3-05212010		DUP-GW-05212010-#1		CPZ-3R-05242010		CPZ-4A-05192010		CPZ-4R-05192010		CPZ-5-05242010	
Well Group					C		C		C		C		C		C		C		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**3.3**	--	**30**	--	**1.9**	--	**23**	--	**8.6**	J	5	U	**14**	--	0.5	U	**0.53**	--	5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**2.6**	--	**11**	--	**1.6**	--	**6.8**	--	**75**	J	**43**	J	**500**	--	**1.1**	--	**86**	--	**52**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**0.2**	J	**16**	--	0.5	U	**11**	--	2.5	U	5	U	5	U	0.5	U	**1.5**	--	5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	0.5	U	0.5	U	**1.4**	J	5	U	5	U	**0.11**	J	0.5	U	5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**2.1**	J	5	U	5	U	**0.11**	J	0.5	U	**1.9**	J
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**5**	J	5	U	**9.2**	--	0.5	U	**7**	--	**6**	--
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	2	UJ	2	U	2	U	**2.6**	J	20	UJ	20	UJ	2	U	2	U	20	UJ
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	U	2	U	2	U	10	U	20	U	20	U	2	U	2	U	20	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	2	U	2	U	**2.8**	J	20	U	20	U	2	U	**0.64**	J	20	U
Acetone	67-64-1	ug/L	700	5	2.2	U	2	UJ	2	U	2	U	10	UJ	**21**	J	20	UJ	2	U	2	U	20	UJ
Benzene	71-43-2	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**20**	J	**9.9**	J	**2.5**	J	**3.8**	--	**2.3**	--	**23**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	1	UJ	1	U	1	U	5	UJ	10	UJ	10	U	1	U	1	U	10	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**14**	J	**5.5**	J	5	U	**1.4**	--	0.5	U	**7.2**	--
Chloroethane	75-00-3	ug/L	12.1	0.5	1	UJ	1	U	1	UJ	1	UJ	**3300**	--	**2200**	E	**5.5**	J	**88**	J	**19**	J	**1100**	--
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	**0.15**	J	**0.16**	J	**0.17**	J	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**2.5**	--	**29**	--	**0.5**	--	**23**	--	**140**	J	**58**	J	**6.2**	--	0.5	U	**2.2**	--	**190**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**2000**	--	**400**	J	5	U	**7.2**	--	0.5	U	**910**	--
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	2	UJ	0.5	UJ	0.5	UJ	2.5	UJ	5	UJ	20	UJ	0.5	UJ	0.5	UJ	20	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	2	U	2	U	**23**	--	**17**	J	24	U	2	U	2	U	35	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	0.5	UJ	0.5	U	0.5	U	**8.7**	J	**4.3**	J	5	UJ	**0.22**	J	0.5	U	**3.4**	J
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	**17**	--
Tetrachloroethene	127-18-4	ug/L	5	0.5	**8.7**	--	**0.95**	--	**0.77**	--	**0.27**	J	**0.74**	J	5	UJ	5	U	0.5	U	**0.32**	J	5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	2	U	2	U	2	U	**55**	J	**40**	J	**14**	J	**25**	--	**80**	--	**66**	--
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	**0.2**	J	0.5	U	**0.66**	--	**3800**	--	**3300**	--	**1.9**	J	**0.33**	J	**0.34**	J	**790**	--
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**4.6**	J	5	UJ	5	U	0.5	U	**0.76**	--	**4.9**	J
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U	0.5	U	0.5	U	5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**4.7**	--	**5.6**	--	**0.36**	J	**2.6**	--	2.5	U	5	U	5	U	**0.22**	J	**3.1**	--	5	U
Vinyl chloride	75-01-4	ug/L	2	0.5	**0.2**	J	0.5	U	0.5	U	0.5	U	**220**	J	**100**	J	**20**	--	**0.16**	J	**2**	--	**570**	--
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	1	U	1	U	1	U	**1300**	J	**220**	J	**8**	J	**5.3**	--	1	U	**1400**	--
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	1	U	**3.2**	J	1	U	**2.3**	J	**17**	JN	**25**	J	**220**	J	**48**	J	**56**	J	**35**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					CPZ-5R		CPZ-6		CPZ-6A		CPZ-6R		CPZ-7		CPZ-7R		CPZ-8		CPZ-10		CPZ-10R		DN-3	
Sample Date					5/21/2010		5/24/2010		5/20/2010		5/19/2010		5/21/2010		5/25/2010		5/19/2010		5/18/2010		5/18/2010		5/18/2010	
Field Sample ID					CPZ-5R-05212010		CPZ-6-05242010		CPZ-6A-05202010		CPZ-6R-05192010		CPZ-7-05212010		CPZ-7R-05252010		CPZ-8-05192010		CPZ-10-05182010		CPZ-10R-05182010		DN-3-05182010	
Well Group					C		C		C		C		C		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	**0.13**	J	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**57**	--	0.5	U	20	U	**25**	--	**35**	--	**7900**	--	**0.25**	J	**0.96**	--	**210**	--	**11**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	**1.2**	--	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**47**	J	0.5	U	20	U	**26**	--	**150**	--	2000	U	**1.1**	--	**0.18**	J	**2.1**	--	**12**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**110**	--	0.5	U	20	U	5	U	**1**	--	**2700**	--	**0.26**	J	**0.22**	J	**18**	--	**2.9**	--
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	50	U	0.5	U	20	U	5	U	**0.31**	J	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	**0.52**	--	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	200	UJ	2	U	80	U	20	U	4	UJ	8000	U	2	U	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	200	U	2	U	80	U	20	U	4	U	8000	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	200	U	2	U	80	U	20	U	4	U	**5300**	J	2	U	2	U	**4.3**	--	2	U
Acetone	67-64-1	ug/L	700	5	**79**	J	2	U	80	U	20	U	4	UJ	8000	U	2	U	2	U	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	**22**	J	**0.81**	--	**83**	--	**40**	--	**2.2**	--	2000	U	0.5	U	0.5	U	**2.3**	--	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	100	UJ	1	U	40	U	10	U	2	UJ	4000	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	50	U	0.5	U	**46**	--	**12**	--	**1.9**	--	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	100	U	**9.7**	J	**330**	J	**98**	J	**4.7**	--	4000	UJ	**0.25**	J	1	UJ	1	UJ	**0.19**	J
Chloroform	67-66-3	ug/L	6	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	**1.1**	--	**0.14**	J
Chloromethane	74-87-3	ug/L	2.7	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**11000**	--	**0.21**	J	20	U	**410**	--	**190**	--	**190000**	--	**1**	--	**1**	J	**1300**	J	**5.5**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	**190**	--	0.5	U	**1200**	--	**240**	--	**72**	--	**2900**	--	0.5	U	0.5	U	**2.6**	--	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	50	UJ	0.5	U	20	UJ	5	UJ	1	UJ	2000	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	200	U	2	U	80	U	20	U	4	U	8000	U	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	50	UJ	0.5	U	**4.6**	J	**2.3**	J	1	UJ	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	50	U	0.5	U	20	U	5	U	1	U	**6800**	--	0.5	U	0.5	U	**1.5**	--	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**38**	J	0.5	U	20	U	5	U	**0.87**	J	**12000**	--	**0.2**	J	**0.67**	--	**130**	--	**0.43**	J
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	200	U	**89**	--	**4100**	--	**1700**	--	4	U	8000	U	2	U	2	U	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	**630**	--	0.5	U	20	U	**48**	--	**27**	--	**24000**	--	**0.37**	J	0.5	U	**35**	--	**0.2**	J
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	50	U	0.5	U	20	U	**4.3**	J	**0.76**	J	2000	U	0.5	U	0.5	U	**0.42**	J	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	50	U	0.5	U	20	U	5	U	1	U	2000	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**470**	--	**0.33**	J	20	U	**2.4**	J	**1.2**	--	**150000**	--	**3**	--	**1.7**	--	**1800**	--	**1.2**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	**4100**	--	0.5	U	20	U	**180**	--	**270**	E	**1500**	J	**1.6**	--	0.5	UJ	**1.7**	J	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	**410**	--	1	UJ	**990**	--	**420**	--	**17**	--	**6400**	J	1	U	1	U	**3.5**	--	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**59**	--	**190**	--	**2300**	--	**1100**	--	**1.8**	--	**4.6**	J	1	U	1	U	1	U	**2.8**	J

Notes:
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B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-03		MW-05		MW-121A		MW-121B		MW-121C		MW-121M		MW-124C		MW-125C		MW-127B		MW-127C	
Sample Date					5/13/2010		5/19/2010		5/18/2010		5/19/2010		5/17/2010		5/17/2010		5/13/2010		5/19/2010		5/19/2010		5/13/2010	
Field Sample ID					MW-03-05132010		MW-05-05192010		MW-121A-05182010		MW-121B-05192010		MW-121C-05172010		MW-121M-05172010		MW-124C-05132010		MW-125C-05192010		MW-127B-05192010		MW-127C-05132010	
Well Group					R		C		C		R		R		R		R		C		C		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	**5.8**	--	**390**	--	**0.92**	--	**6.6**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	**25**	--	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**1.8**	--	**0.41**	J	**3.6**	--	**0.38**	J	**1.2**	--	**0.22**	J	**2.4**	--	**320**	--	**0.26**	J	**6.3**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	**4.2**	--	**400**	--	0.5	U	**2.8**	--
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	**2.4**	J	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	1	U	0.5	U	**0.22**	J	0.5	U	**0.11**	J	0.5	U	**3.1**	J	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	1	U	**0.39**	J	1	U	0.5	U	0.5	U	0.5	U	**48**	--	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	4	U	2	U	4	UJ	2	U	2	U	2	U	**14000**	--	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	4	U	2	U	4	U	2	U	2	U	2	U	40	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	4	U	2	U	4	U	2	U	2	U	2	U	**3300**	--	2	U	2	U
Acetone	67-64-1	ug/L	700	5	2	U	4	U	2	U	4	UJ	2	U	2	U	2	U	**13000**	--	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	0.5	U	**26**	--	**2**	--	**19**	--	**7.9**	--	**15**	--	0.5	U	**140**	--	0.5	U	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	2	U	1	U	2	U	1	U	1	U	1	U	20	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	1	U	0.5	U	1	U	**0.12**	J	**0.18**	J	0.5	U	**4**	J	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	**13**	--	**0.61**	--	**11**	--	**3.8**	--	**5.2**	--	0.5	U	**6.4**	J	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	1	UJ	**47**	J	**19**	J	**62**	J	**26**	J	**140**	J	1	UJ	20	UJ	1	UJ	**0.24**	J
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	**0.27**	J	**33**	--	**0.24**	J	**0.29**	J
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	1	U	0.5	U	1	U	0.5	UJ	0.5	UJ	0.5	U	10	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	0.5	U	1	U	**0.26**	J	**1.6**	--	**0.57**	J	**0.27**	J	**4.3**	--	**55000**	--	**0.22**	J	**3.3**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	**0.39**	J	0.5	U	1	U	0.5	U	0.5	U	0.5	U	**1900**	--	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	**0.19**	J	1	UJ	0.5	UJ	1	UJ	0.5	UJ	0.5	UJ	0.5	UJ	10	UJ	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	4	U	2	U	4	U	2	U	2	U	2	U	40	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	1	U	0.5	U	**0.36**	J	0.5	U	0.5	U	0.5	U	**7.4**	J	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	**28**	--	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	**7**	J	0.5	U	**0.13**	J
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	**250**	--	**31**	--	**210**	--	**9.2**	--	**87**	--	2	U	**940**	--	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	**0.58**	J	**0.2**	J	**0.42**	J	**0.26**	J	**0.45**	J	0.5	U	**5600**	--	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	**0.33**	J	0.5	U	**43**	--	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	1	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**0.5**	--	1	U	**0.65**	--	**0.25**	J	**0.32**	J	**0.14**	J	**0.92**	--	**29**	--	0.5	U	**0.48**	J
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	**0.52**	J	**0.25**	J	**1.2**	--	**0.49**	J	**0.16**	J	0.5	U	**14000**	--	0.5	U	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	**0.92**	J	1	U	**9.9**	--	1	U	**3.7**	--	1	U	**3500**	--	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**17**	--	**1400**	J	**330**	J	**880**	J	**430**	J	**740**	--	1	U	**550**	J	1	U	**8**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-128		MW-204A		MW-204B		MW-205B		MW-413		MW-415		MW-415		MW-416		MW-501A		MW-501B	
Sample Date					5/19/2010		5/15/2010		5/17/2010		5/14/2010		6/29/2010		5/25/2010		5/25/2010		5/25/2010		5/21/2010		5/24/2010	
Field Sample ID					MW-128-05192010		MW-204A-05152010		MW-204B-05172010		MW-205B-05142010		MW-413-06292010		DUP-GW-05252010-#1		MW-415-05252010		MW-416-05252010		MW-501A-05212010		MW-501B-05242010	
Well Group					C		C		C		C		N		N		N		N		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**1.3**	--	**0.49**	J	**0.33**	J	0.5	U	**3200**	--	**2300**	--	**2200**	--	**120**	--	**0.33**	J	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	**54**	J	500	UJ	50	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**0.59**	--	0.5	U	**0.15**	J	**0.32**	J	**11000**	--	**15000**	--	**14000**	--	**820**	--	**0.61**	--	0.5	U
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**1.8**	--	0.5	U	0.5	U	0.5	U	**890**	--	**840**	--	**920**	--	**27**	J	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	**74**	J	500	UJ	50	U	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	2	U	2	U	2	U	**7000**	--	**4800**	--	**4700**	--	200	U	2	UJ	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	UJ	2	U	2	U	2000	U	400	U	2000	U	200	U	2	UJ	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	2	U	2	U	**2800**	--	**3300**	J	**3200**	J	200	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	2	U	2	U	2	U	2	U	3600	U	**2100**	J	**5300**	J	**360**	J	2	UJ	2	U
Benzene	71-43-2	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**140**	J	**57**	J	500	U	**17**	J	0.5	U	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	1	U	1	U	1	U	1000	U	200	U	1000	U	100	U	1	UJ	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	**51**	J	500	UJ	**12**	J	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	1	UJ	1	U	1	UJ	1	UJ	**14000**	--	**8900**	J	**8400**	J	**7000**	J	1	U	1	UJ
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	**25**	J	500	UJ	**13**	J	0.5	U	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	0.5	U	0.5	UJ	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**0.5**	--	**0.73**	--	**0.67**	--	0.5	U	**48000**	--	**75000**	--	**74000**	--	**790**	--	**2.4**	--	**0.26**	J
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**6000**	--	**1900**	--	**1500**	--	**3100**	--	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	500	U	100	UJ	500	UJ	50	UJ	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	2	U	2	U	2000	UJ	**2000**	J	2900	UJ	200	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	0.5	UJ	0.5	U	0.5	U	500	U	**37**	J	500	UJ	**14**	J	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	**0.41**	J	**0.25**	J	**0.13**	J	500	U	**36**	J	500	UJ	**13**	J	**0.4**	J	0.5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	2	U	2	U	2	U	2000	U	**250**	J	2000	UJ	200	U	2	U *	2	U
Toluene	108-88-3	ug/L	1000	0.5	**0.35**	J	**0.23**	J	**0.19**	J	0.5	U	**38000**	--	**23000**	--	**22000**	--	**9000**	--	0.5	U	**0.37**	J
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	**62**	J	500	UJ	50	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	500	U	100	U	500	U	50	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**0.26**	J	**2.9**	--	**1.5**	--	**0.75**	--	500	U	**75**	J	**160**	J	**62**	--	**5**	--	**0.8**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**8000**	--	**2500**	--	**2400**	--	**1200**	--	0.5	U	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	**0.77**	J	1	U	1	U	**7200**	--	**3800**	J	**2600**	J	**1200**	J	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	1	U	**1.1**	--	1	U	**7**	--	**100**	--	**72**	--	**64**	--	**19**	--	**1.3**	JN	1	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-501C		MW-502		MW-703D		MW-703DR		MW-703S		MW-704D		MW-704D		MW-704DR		MW-704M		MW-704R	
Sample Date					5/21/2010		5/20/2010		5/12/2010		5/12/2010		5/11/2010		5/12/2010		5/12/2010		5/19/2010		5/14/2010		5/12/2010	
Field Sample ID					MW-501C-05212010		MW-502-05202010		MW-703D-05122010		MW-703DR-05122010		MW-703S-05112010		DUP-GW-05122010-#1		MW-704D-05122010		MW-704DR-05192010		MW-704M-05142010		MW-704R-05122010	
Well Group					C		R		C		C		C		R		R		R		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	0.5	U	2	U	**1.4**	--	0.5	U	**1.8**	--	0.5	U	0.5	U	**0.4**	J	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	0.5	U	2	U	**0.48**	J	0.5	U	**0.33**	J	**1.2**	--	**1.1**	--	**8**	--	**0.22**	J	**0.8**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	0.5	U	2	U	**0.38**	J	**0.2**	J	**0.25**	J	0.5	U	0.5	U	**0.37**	J	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.22**	J	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	UJ	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	UJ	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	**1.3**	J *	8	U	2	UJ	2	U	2	UJ	2	UJ	2	UJ	2	U	2.4	U	2	U
Benzene	71-43-2	ug/L	1	0.5	0.5	U	**18**	--	0.5	U	0.5	U	0.5	U	**2.7**	--	**2.8**	--	**2.1**	--	**0.58**	--	**2.8**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	1	UJ	4	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	2	U	0.5	U	**0.11**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	**7.1**	--	0.5	U	0.5	U	0.5	U	**3.8**	--	**4**	--	**1.3**	--	**2.6**	--	**1.5**	--
Chloroethane	75-00-3	ug/L	12.1	0.5	1	U	**40**	J	1	U	1	UJ	1	U	**30**	--	**31**	--	**23**	J	**16**	J	**9.9**	J
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	2	U	**0.3**	J	0.5	U	**0.18**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	0.5	U	2	U	**0.63**	--	0.5	U	**0.41**	J	0.5	U	0.5	U	**3.3**	--	0.5	U	**0.89**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	**6.3**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	2	UJ	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	UJ	**0.42**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	2	U	0.5	U	0.5	U	**0.14**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	UJ	**530**	--	2	U	2	U	2	U	**15**	--	**15**	--	**6.5**	--	**7.6**	--	**2.7**	--
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	**1.7**	J	0.5	U	**0.35**	J	0.5	U	0.5	U	0.5	U	**0.29**	J	0.5	U	**0.22**	J
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	0.5	U	2	U	**0.11**	J	0.5	U	**0.19**	J	0.5	U	0.5	U	**0.75**	--	**0.54**	--	**0.5**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.7**	--	0.5	U	**0.25**	J
Xylenes, Total	1330-20-7	ug/L	530	0.5	**0.77**	J	**26**	--	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	1	U	**570**	--	1	U	1	UJ	1	U	**280**	--	**260**	--	**110**	--	**230**	J	**140**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-704S		MW-705D		MW-705DR		MW-705R		MW-705R		MW-706DR		MW-707D		MW-707DR		MW-707M		MW-707R	
Sample Date					5/13/2010		5/17/2010		6/7/2010		5/14/2010		5/14/2010		5/18/2010		5/13/2010		5/13/2010		5/12/2010		5/14/2010	
Field Sample ID					MW-704S-05132010		MW-705D-05172010		MW-705DR-06072010		DUP-GW-05142010-#1		MW-705R-05142010		MW-706DR-05182010		MW-707D-05132010		MW-707DR-05132010		MW-707M-05122010		MW-707R-05142010	
Well Group					C		C		R		C		C		R		C		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**10**	--	0.5	U	**31000**	--	**13**	J	**5.2**	J	**34**	--	0.5	U	**2.5**	--	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	**280**	J	10	U	5	U	**2.4**	--	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**13**	--	0.5	U	**320**	J	10	U	5	U	**6**	--	0.5	U	**2.4**	--	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**0.71**	--	0.5	U	**4500**	--	**17**	J	**7.5**	J	**73**	--	0.5	U	**0.6**	--	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	0.5	U	**750**	--	10	U	5	U	**6.5**	--	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	**0.51**	J	**22000**	--	40	U	20	U	5.3	U	**1.5**	J	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	U	2000	U	40	UJ	20	UJ	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	**27000**	--	40	U	20	U	**150**	J	2	U	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	2	U	2	U	2500	U	40	U	20	U	7	U	2.2	U	2	U	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	**0.16**	J	0.5	U	**660**	--	10	U	5	U	**6.7**	--	**0.76**	--	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	1	U	1000	U	20	U	10	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	**12**	J	1	UJ	1000	UJ	20	U	10	U	1	UJ	1	UJ	**0.17**	J	1	UJ	1	UJ
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	0.5	U	**670**	--	10	U	5	U	**6.1**	--	0.5	U	0.5	U	0.5	U	**0.12**	J
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	0.5	UJ	500	U	10	U	5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**49**	--	0.5	U	**47000**	--	**1400**	J	**510**	J	**520**	J	**0.26**	J	1.1	U	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	**0.22**	J	**2200**	--	**5.3**	J	**2.9**	J	**2**	--	**1.2**	--	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	0.5	UJ	500	UJ	10	UJ	5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	**22000**		40	U	20	U	**69**	B	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	0.5	U	500	UJ	10	UJ	5	UJ	0.5	U	**0.28**	J	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	**2100**	--	10	U	5	U	**2.4**	--	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	0.5	U	**24000**	--	**9**	J	**5.7**	J	**150**	--	**0.18**	J	0.5	U	**0.12**	J	0.5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	**2.1**	--	2	U	2000	U	40	U	20	U	**1**	J	2	U	2	U	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	0.76	U	**1.2**	--	**43000**	--	**15**	J	--	--	**140**	--	**7.9**	--	0.63	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	**0.29**	J	0.5	U	500	U	10	U	5	U	**0.49**	J	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	500	U	10	U	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**0.45**	J	**0.17**	J	**640000**	--	**130**	J	**71**	J	**5500**	--	**0.65**	--	**0.16**	J	**0.71**	--	**0.28**	J
Vinyl chloride	75-01-4	ug/L	2	0.5	**3.3**	--	0.5	U	**2000**	--	**22**	J	**7.9**	J	**6.2**	J	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	**0.47**	J	**0.96**	J	**5500**	J	**36**	J	**18**	J	**21**	--	**5.6**	--	1	U	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**45**	--	1	U	**17**	--	1	U	1	U	1	U	1	U	**6.7**	J	**1.4**	J	1	U

Notes:
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B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-707S		MW-709DR		MW-709R		MW-710DR		MW-710R		MW-902D		MW-902M		MW-902M		MW-903D		MW-903M	
Sample Date					5/12/2010		5/15/2010		5/17/2010		5/13/2010		5/13/2010		5/24/2010		5/24/2010		5/24/2010		5/25/2010		5/25/2010	
Field Sample ID					MW-707S-05122010		MW-709DR-05152010		MW-709R-05172010		MW-710DR-05132010		MW-710R-05132010		MW-902D-05242010		DUP-GW-05242010-#1		MW-902M-05242010		MW-903D-05252010		MW-903M-05252010	
Well Group					C		C		C		C		C		N		N		N		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	0.5	U	20	U	2.5	U	0.5	U	**0.34**	J	**1900**	--	25	UJ	**4.2**	J	0.5	U	2.5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**0.31**	J	**6.9**	J	**1.1**	J	**0.34**	J	**1.1**	--	**6700**	--	**61**	--	**57**	--	0.5	U	**15**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	0.5	U	**98**	--	**7.9**	--	0.5	U	0.5	U	**630**	--	25	U	10	U	0.5	U	2.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	UJ	**4.2**	J	0.5	U	2.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	**11**	J	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	80	U	10	U	3.5	U	2	U	**6000**	--	100	UJ	40	UJ	2	U	**51**	J
2-Hexanone	591-78-6	ug/L	140	5	2	U	80	U	10	U	2	U	2	U	1000	U	100	U	40	U	2	U	10	UJ
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	**130**	--	10	U	2	U	2	U	**1700**	--	100	U	40	U	**0.99**	J	**210**	J
Acetone	67-64-1	ug/L	700	5	2	U	**110**	J	15	U	2	U	2	U	**2100**	--	100	UJ	41	UJ	2.6	UJ	10	UJ
Benzene	71-43-2	ug/L	1	0.5	0.5	U	**9.3**	J	2.5	U	0.5	U	0.5	U	**120**	J	**12**	J	**11**	--	0.5	U	**3**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	40	U	5	U	1	U	1	U	500	U	50	U	20	U	1	U	5	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	**60**	J	**7.1**	J	**5.8**	J	0.5	U	2.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	1	UJ	40	UJ	5	UJ	**0.19**	J	1	UJ	**19000**	J	**3200**	--	**2900**	J	1	UJ	**8.9**	--
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	20	U	2.5	U	**0.13**	J	**0.13**	J	250	U	25	U	10	U	0.5	U	2.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	20	UJ	2.5	UJ	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**0.4**	J	**1900**	--	**300**	--	**3.2**	--	**8.2**	--	**41000**	--	**130**	--	**140**	--	**0.5**	--	**49**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	**9300**	--	**1500**	--	**1500**	--	0.5	U	**8.8**	--
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	20	UJ	2.5	UJ	0.5	UJ	0.5	UJ	250	UJ	100	UJ	10	UJ	0.5	UJ	10	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	**59**	J	10	U	2	U	2	U	**750**	J	**160**	J	**72**	J	2	U	10	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	**13**	J	**12**	J	0.5	U	2.5	UJ
Styrene	100-42-5	ug/L	100	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	**5.6**	--
Tetrachloroethene	127-18-4	ug/L	5	0.5	**0.2**	J	**99**	--	**7.7**	--	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	**5**	--
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	80	U	10	U	2	U	2	U	**490**	J	100	UJ	**25**	J	2	U	**70**	J
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	**78**	--	2.5	U	0.5	U	--	--	**48000**	--	**1800**	--	**1700**	--	0.5	U	**250**	--
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	20	U	**3.5**	--	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	20	U	2.5	U	0.5	U	0.5	U	250	U	25	U	10	U	0.5	U	2.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**1**	--	**5500**	--	**290**	--	**2.1**	--	**9.3**	--	**81**	J	25	U	10	U	**0.49**	J	**210**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	**140**	--	**3**	--	**0.18**	J	0.5	U	**10000**	--	**260**	--	**240**	--	0.5	U	**5.5**	--
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	40	U	5	U	1	U	1	U	**7600**	--	**1000**	--	**1100**	--	1	UJ	**40**	--
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**9.7**	J	1	U	1	U	1	U	1	U	**93**	--	**10**	--	**8.9**	--	**1**	--	**170**	J

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

de maximis, inc. ARCADIS ddms, inc.

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-903R		MW-903S		MW-904D		MW-904D		MW-904S		MW-905M		MW-906D		MW-906M		MW-906R		MW-907D	
Sample Date					6/8/2010		5/25/2010		6/7/2010		6/7/2010		5/26/2010		5/14/2010		6/7/2010		5/21/2010		6/8/2010		5/18/2010	
Field Sample ID					MW-903R-06082010		MW-903S-05252010		DUP-GW-06072010-#1		MW-904D-06072010		MW-904S-05262010		MW-905M-05142010		MW-906D-06072010		MW-906M-05212010		MW-906R-06082010		MW-907D-05182010	
Well Group					C		C		C		C		C		C		C		C		C		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	**4.1**	--	**19**	--	**6.6**	--	1	U	**7.1**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.42**	J	0.5	U	1	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**0.67**	J	**0.32**	J	0.5	U	0.5	U	0.5	U	**1**	--	**22**	--	**4.4**	--	1	U	**3.2**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**2.5**	--	0.5	U	0.5	U	0.5	U	0.5	U	**0.43**	J	**7.6**	--	**2.3**	--	**1.6**	--	**0.52**	--
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	**0.36**	J
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.1**	--	0.5	U	1	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	**0.47**	J
2-Butanone (MEK)	78-93-3	ug/L	400	5	8	U	2	UJ	**0.51**	J	2	UJ	2	U	2	U	4	U	2	UJ	4	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	8	U	2	UJ	2	U	2	U	2	U	2	UJ	4	U	2	U	4	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	**12**	--	2	U	2	U	2	U	2	U	2	U	4	U	2	U	**10**	--	2	U
Acetone	67-64-1	ug/L	700	5	8	UJ	2	UJ	4.2	U	2	U	**1.5**	J	2	U	5.6	UJ	0.84	UJ	6	UJ	2	U
Benzene	71-43-2	ug/L	1	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.4**	--	0.5	U	1	U	**40**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	4	U	1	U	1	U	1	U	1	U	1	U	2	U	1	UJ	2	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	**0.12**	J
Carbon tetrachloride	56-23-5	ug/L	5	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	2	U	0.5	U	0.5	U	0.5	U	**0.14**	J	0.5	U	1	U	0.5	U	1	U	**16**	--
Chloroethane	75-00-3	ug/L	12.1	0.5	4	UJ	**0.83**	J	1	UJ	1	UJ	1	UJ	1	U	**3.1**	J	1	U	2	UJ	**100**	J
Chloroform	67-66-3	ug/L	6	0.5	2	U	0.5	U	**0.19**	J	**0.24**	J	0.5	U	**0.26**	J	**0.65**	J	**0.14**	J	1	U	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	2	U	0.5	U	**0.39**	J	0.5	UJ	0.5	U	0.5	U	1	U	0.5	U	1	U	0.5	UJ
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**12**	--	0.5	U	**0.35**	J	**0.32**	J	0.5	U	1.5	U	**210**	--	**85**	--	**1.9**	--	**92**	J
Ethylbenzene	100-41-4	ug/L	700	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	**9.2**	--
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	2	UJ	2	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	1	UJ	0.5	UJ	1	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	8	U	2	U	2	U	2	U	2	U	2	U	4	U	2	U	4	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	2	UJ	**0.59**	J	0.5	UJ	0.5	UJ	0.5	U	0.5	UJ	1	UJ	0.5	UJ	1	UJ	**0.83**	--
Styrene	100-42-5	ug/L	100	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.3**	--	0.5	U	1	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**7**	--	0.5	U	**0.69**	--	**0.84**	--	0.5	U	**0.17**	J	**42**	--	**9.6**	--	**5.6**	--	0.5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	8	U	**3.1**	J	2	U	2	U	2	U	2	U	**9.5**	--	2	U	4	U	**840**	--
Toluene	108-88-3	ug/L	1000	0.5	**7.7**	--	0.5	U	**0.21**	J	**0.24**	J	**0.48**	J	0.5	U	1.3	U	0.5	U	**3**	--	**1.2**	--
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.76**	J	**0.32**	J	1	U	**0.59**	--
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	1	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**270**	--	0.5	U	**2.7**	--	**3**	--	**0.2**	J	**0.18**	J	**170**	--	**57**	--	**190**	--	**2**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**110**	--	**2.4**	--	1	U	**25**	J
Xylenes, Total	1330-20-7	ug/L	530	0.5	4	UJ	1.1	U	1	U	1	UJ	1	UJ	1	U	2	UJ	1	U	2	UJ	**42**	--
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**1.4**	--	**1.9**	--	1	U	1	U	1	UJ	1	U	**22**	--	**2.7**	--	1	U	**1000**	--

Notes:
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N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-907DR		MW-907M		MW-907M		MW-908D		MW-909D		MW-910S		MWL-303		MWL-304		MWL-307		MWL-309	
Sample Date					5/18/2010		5/19/2010		5/19/2010		5/20/2010		5/20/2010		6/7/2010		5/20/2010		5/24/2010		5/24/2010		5/20/2010	
Field Sample ID					MW-907DR-05182010		DUP-GW-05192010-#1		MW-907M-05192010		MW-908D-05202010		MW-909D-05202010		MW-910S-06072010		MWL-303-05202010		MWL-304-05242010		MWL-307-05242010		MWL-309-05202010	
Well Group					R		R		R		C		C		C		C		N		N		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	10	U	10	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**190**	--	10	U	0.5	U	0.5	U	**3400**	--	0.5	U	0.5	U	**350**	--	**3900**	--	1	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	10	U	10	U	0.5	U	0.5	U	**15**	--	0.5	U	0.5	U	**3.4**	J	500	U	1	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**6.5**	J	10	U	0.5	U	**0.99**	--	**78**	--	0.5	U	0.5	U	**410**	--	**19000**	--	**2.4**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**85**	--	10	U	0.5	U	0.5	U	**790**	--	0.5	U	0.5	U	**17**	--	**1600**	--	1	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	10	U	10	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	10	U	10	U	**0.58**	J	0.5	U	**2.2**	J	0.5	U	0.5	U	10	U	500	U	1	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	10	U	10	U	0.5	U	0.5	U	**18**	--	0.5	U	0.5	U	**6.7**	J	500	U	**8.3**	--
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	10	U	10	U	**0.94**	J	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	40	U	40	U	2	U	2	UJ	40	UJ	2	U	2	UJ	40	U	**9100**	J	4	U
2-Hexanone	591-78-6	ug/L	140	5	40	U	40	U	2	U	2	U	40	U	2	U	2	U	40	U	2000	U	4	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	**48**	--	40	U	2	U	2	U	**110**	--	**0.4**	J	2	U	**68**	--	**6100**	J	4	U
Acetone	67-64-1	ug/L	700	5	**41**	J	40	U	2	U	2	UJ	**23**	J	2.4	UJ	2	UJ	40	U	3800	UJ	4	U
Benzene	71-43-2	ug/L	1	0.5	**6.8**	J	**63**	--	**62**	--	**3.3**	--	**43**	--	0.5	U	0.5	U	**11**	--	**190**	J	**2.8**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	20	U	20	U	1	U	1	UJ	20	UJ	1	U	1	UJ	20	U	1000	U	2	U
Carbon disulfide	75-15-0	ug/L	700	0.5	10	U	10	U	**0.16**	J	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	10	U	10	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
Chlorobenzene	108-90-7	ug/L	100	0.5	10	U	**26**	J	**28**	--	**1.4**	--	10	U	0.5	U	0.5	U	**3.1**	J	500	U	**14**	--
Chloroethane	75-00-3	ug/L	12.1	0.5	20	UJ	**190**	J	**180**	J	**58**	--	20	U	1	UJ	1	U	**29**	J	**25000**	--	**76**	J
Chloroform	67-66-3	ug/L	6	0.5	**4**	J	10	U	0.5	U	0.5	U	**15**	--	0.5	U	0.5	U	10	U	500	U	1	U
Chloromethane	74-87-3	ug/L	2.7	0.5	10	U	10	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**19**	--	10	U	0.5	U	**0.31**	J	**81000**	--	**0.24**	J	0.5	U	**2700**	--	**110000**	--	**1.7**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	**63**	--	**24**	--	**28**	--	**0.37**	J	**1200**	--	0.5	U	0.5	U	**280**	--	**16000**	--	1	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	10	UJ	10	UJ	0.5	UJ	0.5	UJ	10	UJ	0.5	UJ	0.5	UJ	10	UJ	2000	UJ	1	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	40	U	40	U	2	U	2	U	40	U	2	U	2	U	40	U	**5300**	--	4	U
Naphthalene	91-20-3	ug/L	280	0.5	10	U	**4.2**	J	**4.7**	--	0.5	UJ	**6.3**	J	0.5	UJ	0.5	UJ	**2.2**	J	500	UJ	1	U
Styrene	100-42-5	ug/L	100	0.5	**35**	--	10	U	0.5	U	0.5	U	**15**	--	0.5	U	0.5	U	10	U	500	U	1	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**940**	--	10	U	0.5	U	0.5	U	**50**	--	**0.22**	J	0.5	U	10	U	500	U	1	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	40	U	**3900**	--	**3500**	--	**4.6**	--	40	U	2	U	2	U	**57**	--	2000	U	**300**	--
Toluene	108-88-3	ug/L	1000	0.5	**750**	--	10	U	**1.8**	J	**0.29**	J	**5000**	--	**0.29**	J	0.5	U	**1100**	--	**79000**	--	**0.54**	J
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	10	U	10	U	0.5	U	0.5	U	**6.4**	J	0.5	U	0.5	U	10	U	500	U	1	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	10	U	10	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U	10	U	500	U	1	U
Trichloroethene	79-01-6	ug/L	5	0.5	**13000**	--	10	U	0.5	U	0.5	U	**300**	--	**1.6**	--	0.5	U	10	U	**240**	J	**0.33**	J
Vinyl chloride	75-01-4	ug/L	2	0.5	10	U	10	U	0.5	U	0.5	U	**140**	--	0.5	U	0.5	U	**1800**	--	**2500**	--	**0.35**	J
Xylenes, Total	1330-20-7	ug/L	530	0.5	**190**	--	**98**	J	**160**	J	**1.7**	--	**4400**	--	1	UJ	1	U	**400**	--	**10000**	--	2	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	1	U	**2200**	--	**2100**	J	**98**	--	1	U	1	U	1	U	**7**	--	**90**	J	**2600**	--

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
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Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MWL-312		MWL-313		P-3A		P-3B		P-5B		P-6		P-11A		P-11B		P-13		P-101A	
Sample Date					5/20/2010		5/14/2010		5/26/2010		5/18/2010		5/21/2010		5/20/2010		5/13/2010		5/17/2010		5/12/2010		5/17/2010	
Field Sample ID					MWL-312-05202010		MWL-313-05142010		P-3A-05262010		P-3B-05182010		P-5B-05212010		P-6-05202010		P-11A-05132010		P-11B-05172010		P-13-05122010		DUP-GW-05172010-#1	
Well Group					C		C		C		C		C		C		R		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	0.5	U	**0.67**	--	**100**	--	0.5	U	0.5	U	50	U	**150**	--	0.5	U	**3.7**	--	**2.4**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	**0.52**	--	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	0.5	U	0.5	U	**37**	--	**4.4**	--	**0.36**	J	50	U	**8**	--	0.5	U	**0.7**	--	**14**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	0.5	U	0.5	U	**9.5**	J	**3.4**	--	0.5	U	50	U	**14**	--	0.5	U	**0.34**	J	**0.55**	--
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	0.5	U	12	U	**0.37**	J	0.5	U	50	U	**0.63**	--	0.5	U	0.5	U	0.5	UJ
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	UJ	2	U	50	U	2	U	2	UJ	200	UJ	2	U	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	UJ	50	U	2	U	2	U	200	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	50	U	2	U	2	U	200	U	2	U	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	2	UJ	2	U	**17**	J	2	UJ	2	UJ	**62**	J	2	U	2	U	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	0.5	U	0.5	U	**17**	--	**0.76**	--	**0.25**	J	**120**	--	**5.5**	--	**10**	--	0.5	U	**3.5**	--
Bromomethane	74-83-9	ug/L	9.8	0.5	1	UJ	1	U	25	U	1	U	1	UJ	100	UJ	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	0.5	U	12	U	**0.94**	--	**0.16**	J	**40**	J	**0.96**	--	**3.6**	--	0.5	U	**1.1**	--
Chloroethane	75-00-3	ug/L	12.1	0.5	1	U	1	U	**18**	J	1	UJ	**1.1**	--	**230**	--	**3.7**	J	**21**	J	1	UJ	**6.6**	J
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	**0.64**	--	0.5	U	**0.18**	J	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	0.5	U	12	U	0.5	UJ	0.5	U	50	U	0.5	U	0.5	UJ	0.5	U	0.5	UJ
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	0.5	U	0.5	U	**1700**	--	**23**	--	**0.24**	J	50	U	**1800**	--	**0.37**	J	**0.85**	--	**27**	J
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	0.5	U	**28**	--	**0.25**	J	0.5	U	**520**	--	**35**	--	0.5	U	0.5	U	**0.44**	J
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	0.5	UJ	12	UJ	0.5	UJ	0.5	UJ	50	UJ	0.5	UJ	0.5	UJ	--	--	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	50	U	2	U	2	U	200	U	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	UJ	0.5	UJ	12	U	0.5	U	0.5	UJ	50	UJ	**0.28**	J	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	**3.7**	--	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	**0.4**	J	12	U	0.5	U	0.5	U	50	U	**150**	--	0.5	U	**0.4**	J	**1.8**	J
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	2	U	**360**	--	**2.4**	--	2	U	**13000**	--	**40**	--	**260**	--	2	U	**14**	--
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	0.5	U	**4.6**	J	**0.23**	J	0.5	U	**65**	--	**140**	--	**0.45**	J	0.5	U	**0.21**	J
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	0.5	U	**12**	--	**0.47**	J	0.5	U	50	U	**6.7**	--	0.5	U	0.5	U	**0.35**	J
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	12	U	0.5	U	0.5	U	50	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	0.5	U	0.5	U	**15**	--	**12**	--	0.5	U	50	U	**620**	--	**0.13**	J	**0.23**	J	**14**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	0.5	U	**360**	--	**17**	--	0.5	U	50	U	**180**	--	**0.19**	J	0.5	U	**22**	J
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	1	U	**26**	J	1	U	1	U	**530**	--	**100**	--	**3.5**	--	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**1.5**	--	1	U	**490**	J	**25**	--	1	U	**4300**	--	**140**	--	**380**	--	1	U	**100**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
E = Analyte exceeded calibration range
B = Analyte was found in an associated blank, as well as in the sample
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

de maximis, inc. ARCADIS ddms, inc.

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					P-101A		P-101B		P-101C		P-102A		P-102B		P-102C		PZO-2D		PZO-2M		PZO-3D		PZO-3M	
Sample Date					5/17/2010		5/13/2010		5/13/2010		5/17/2010		5/17/2010		5/18/2010		5/11/2010		5/11/2010		5/14/2010		5/13/2010	
Field Sample ID					P-101A-05172010		P-101B-05132010		P-101C-05132010		P-102A-05172010		P-102B-05172010		P-102C-05182010		PZO-2D-05112010		PZO-2M-05112010		PZO-3D-05142010		PZO-3M-05132010	
Well Group					C		R		R		C		C		C		R		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**2.1**	--	0.5	U	0.5	U	**0.9**	--	**12**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**13**	--	**2.1**	--	**10**	--	**0.57**	--	**23**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**0.51**	--	0.5	U	0.5	U	**0.61**	--	**7.6**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	**0.13**	J	**0.12**	J	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	**0.58**	J	0.5	U	**0.63**	--	0.5	U	**1.7**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	2	U	2	U	2	U	10	U	2	U	2	U	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	U	2	U	2	U	10	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	2	U	**0.44**	J	10	U	2	U	2	U	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	2.1	U	2	U	2	U	2.2	U	10	U	2	U	2	U	2	U	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	**4.2**	--	**7.5**	--	**4.9**	--	**0.17**	J	**1.1**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	1	U	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	**1.1**	--	**2.3**	--	**1.8**	--	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	**9.2**	J	**34**	J	**9.2**	J	1	UJ	**12**	J	1	UJ	1	U	1	U	1	UJ	1	UJ
Chloroform	67-66-3	ug/L	6	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	UJ	0.5	U	0.5	U	0.5	U	2.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**25**	J	**2**	--	**4.5**	--	**6.7**	--	**330**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/L	700	0.5	**0.58**	--	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	2.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	2	U	2	U	10	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**1.1**	J	0.5	U	0.5	U	**1.1**	--	**8.4**	--	0.5	U	0.5	U	**0.11**	J	0.5	U	0.5	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	**18**	--	**8.8**	--	**7.9**	--	**1.4**	J	**46**	--	2	U	2	U	2	U	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	**0.21**	J	**0.18**	J	0.5	U	**0.47**	J	2.5	U	**0.32**	J	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	**0.32**	J	0.5	U	**0.59**	--	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**11**	--	0.5	U	**0.24**	J	**47**	--	**86**	--	**1.2**	--	**0.29**	J	**0.59**	--	**0.32**	J	**0.42**	J
Vinyl chloride	75-01-4	ug/L	2	0.5	**23**	J	**4.6**	--	**14**	--	**1.6**	--	**38**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	**0.73**	J	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	**130**	--	**190**	--	**150**	--	**1.6**	J	**52**	J	1	U	1	U	1	U	1	U	1	UJ

Notes:
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N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					PZO-4D		PZO-4M		PZO-204M		PZR-2DR		PZR-2R		PZR-3R		PZR-4DR		PZR-4R		PZR-5R		SRS-1	
Sample Date					5/11/2010		5/12/2010		5/17/2010		5/11/2010		5/12/2010		5/12/2010		5/11/2010		5/11/2010		5/15/2010		5/18/2010	
Field Sample ID					PZO-4D-05112010		PZO-4M-05122010		PZO-204M-05172010		PZR-2DR-05112010		PZR-2R-05122010		PZR-3R-05122010		PZR-4DR-05112010		PZR-4R-05112010		PZR-5R-05152010		SRS-1-05182010	
Well Group					C		C		C		C		R		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
VOCs (8260B)																								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**0.69**	--	0.5	U	0.5	U	0.5	U	**0.73**	--	0.5	U	0.5	U	**7.6**	--	**4.9**	--	**1.6**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**0.18**	J	0.5	U	**0.69**	--	0.5	U	**0.83**	--	0.5	U	0.5	U	**3.6**	--	**8.9**	--	**0.4**	J
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.5**	--	**7.1**	--	**0.32**	J
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U	2	UJ	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	3.6	UJ	1.6	UJ	2	U	2	U	2.8	UJ	2	U	2	UJ	2	U	2	U	2	U
Benzene	71-43-2	ug/L	1	0.5	0.5	U	0.5	U	**2.3**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	0.5	U	**8.8**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	1	U	1	U	**13**	--	1	U	1	U	1	UJ	1	U	1	U	1	U	1	UJ
Chloroform	67-66-3	ug/L	6	0.5	**0.19**	J	**0.15**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.24**	J	0.5	U	**0.28**	J
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**0.24**	J	0.5	U	**2.2**	--	0.5	U	0.5	U	0.5	U	0.5	U	**3.7**	--	**4.1**	--	**0.72**	J
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	UJ	0.5	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
Styrene	100-42-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	**1.2**	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.13**	J	**0.23**	J	**0.15**	J
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	2	U	**5.8**	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	0.5	U	0.5	U	**0.26**	J	0.65	U	0.81	U	0.5	U	0.5	U	**0.29**	J	**0.27**	J	**0.53**	--
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	0.5	U	0.5	U	**0.82**	--	**0.12**	J	**0.11**	J	**0.29**	J	0.5	U	**0.24**	J	**0.78**	--	**0.12**	J
Vinyl chloride	75-01-4	ug/L	2	0.5	0.5	U	0.5	U	**0.19**	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.78**	J	**0.31**	J
VOCs (8260C)																								
1,4-Dioxane	123-91-1	ug/L	20	--	1	U	1	U	**450**	J	**1.4**	--	**9.6**	--	1	UJ	1	U	1	U	**1.2**	--	1	U

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

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Table 3 – Groundwater Data Summary – VOCs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location					SRS-3		TW-08A		TW-08B		TW-08D	
Sample Date					5/18/2010		5/25/2010		5/24/2010		5/24/2010	
Field Sample ID					SRS-3-05182010		TW-08A-05252010		TW-08B-05242010		TW-08D-05242010	
Well Group					C		N		N		N	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**								
VOCs (8260B)												
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	0.5	U	120	U	1200	U	500	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**12**	--	**350**	--	**6700**	--	**1500**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	0.5	U	120	U	1200	U	500	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	**22**	--	**4100**	--	**7100**	--	**2200**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**0.88**	--	**190**	--	**1600**	--	**480**	J
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	0.5	U	120	U	1200	U	500	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	0.5	U	120	U	1200	U	500	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	0.5	U	120	U	1200	U	500	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	0.5	U	120	U	1200	U	500	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	2	U	**1500**	--	**7500**	--	**1300**	J
2-Hexanone	591-78-6	ug/L	140	5	2	U	500	U	5000	U	2000	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	2	U	**810**	J	**3600**	J	**1700**	J
Acetone	67-64-1	ug/L	700	5	2	U	**1200**	J	**4300**	J	2100	UJ
Benzene	71-43-2	ug/L	1	0.5	0.5	U	**36**	J	**360**	J	**140**	J
Bromomethane	74-83-9	ug/L	9.8	0.5	1	U	250	U	2500	U	1000	U
Carbon disulfide	75-15-0	ug/L	700	0.5	0.5	U	120	U	1200	U	500	U
Carbon tetrachloride	56-23-5	ug/L	5	0.5	0.5	U	120	U	1200	U	500	U
Chlorobenzene	108-90-7	ug/L	100	0.5	0.5	U	**41**	J	1200	U	500	U
Chloroethane	75-00-3	ug/L	12.1	0.5	**0.44**	J	**940**	J	**5600**	J	**2000**	--
Chloroform	67-66-3	ug/L	6	0.5	**0.2**	J	120	U	1200	U	500	U
Chloromethane	74-87-3	ug/L	2.7	0.5	0.5	UJ	**75**	J	1200	U	500	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**2.6**	J	**16000**	--	**200000**	--	**50000**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	0.5	U	**2700**	--	**4500**	--	**3400**	--
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	0.5	UJ	120	UJ	1200	UJ	2000	UJ
Methylene Chloride	75-09-2	ug/L	5	0.5	2	U	500	U	**1800**	J	**3200**	--
Naphthalene	91-20-3	ug/L	280	0.5	0.5	U	**34**	J	1200	U	500	UJ
Styrene	100-42-5	ug/L	100	0.5	0.5	U	120	U	**3100**	--	500	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**0.61**	--	120	U	**5600**	--	500	U
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	2	U	500	U	5000	U	2000	U
Toluene	108-88-3	ug/L	1000	0.5	**0.26**	J	**11000**	--	**47000**	--	**21000**	--
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	0.5	U	120	U	1200	U	500	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	0.5	U	120	U	1200	U	500	U
Trichloroethene	79-01-6	ug/L	5	0.5	**2.3**	--	**60**	J	**120000**	--	500	U
Vinyl chloride	75-01-4	ug/L	2	0.5	**2.2**	J	**4000**	--	**19000**	--	**27000**	--
Xylenes, Total	1330-20-7	ug/L	530	0.5	1	U	**6300**	J	**8500**	--	**7100**	--
VOCs (8260C)												
1,4-Dioxane	123-91-1	ug/L	20	--	**5**	--	**41**	--	**190**	--	**98**	J

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
VOCs = volatile organic compounds
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					CPZ-1		CPZ-1R		CPZ-2A		CPZ-2R		CPZ-3		CPZ-3		CPZ-3R		CPZ-4A		CPZ-4R		CPZ-5	
Sample Date					5/18/2010		5/20/2010		5/20/2010		5/18/2010		5/21/2010		5/21/2010		5/24/2010		5/19/2010		5/19/2010		5/24/2010	
Field Sample ID					CPZ-1-05182010		CPZ-1R-05202010		CPZ-2A-05202010		CPZ-2R-05182010		CPZ-3-05212010		DUP-GW-05212010-#1		CPZ-3R-05242010		CPZ-4A-05192010		CPZ-4R-05192010		CPZ-5-05242010	
Well Group					C		C		C		C		C		C		C		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.2	U	4.3	UJ	4	UJ	4.2	U	**7**	--	**6.8**	--	4.2	U	4.3	U	4.3	U	**2.2**	J
2-Methylphenol	95-48-7	ug/L	350	10	4.2	U	4.3	UJ	4	UJ	4.2	U	**6.5**	--	**6.7**	--	4.2	U	4.3	U	4.3	U	**1.3**	J
4-Methylphenol	106-44-5	ug/L	35	10	4.2	U	4.3	UJ	4	UJ	4.2	U	**6.4**	--	**6.6**	--	4.2	U	4.3	U	4.3	U	**0.46**	J
Benzoic acid	65-85-0	ug/L	50000	10	52	UJ	54	UJ	50	UJ	52	UJ	52	U	52	U	53	UJ	53	UJ	54	UJ	50	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.2	U	4.3	UJ	4	UJ	**4.6**	--	4.2	U	4.2	U	**1.3**	J	4.3	U	4.3	U	**0.63**	J
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.2	U	--	UJ	--	UJ	4.2	U	**1.3**	J	**1.4**	J	4.2	U	4.3	U	4.3	U	**0.88**	J
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.2	U	4.3	UJ	4	UJ	4.2	U	4.2	U	4.2	U	4.2	U	4.3	U	4.3	U	4	U
Isophorone	78-59-1	ug/L	37	10	4.2	U	4.3	UJ	4	UJ	4.2	U	**0.58**	J	**0.44**	J	4.2	U	4.3	U	4.3	U	**0.73**	J
Phenol	108-95-2	ug/L	4000	10	4.2	U	4.3	UJ	4	UJ	4.2	U	4.2	U	4.2	U	**0.25**	J	4.3	U	4.3	U	4	U

Notes:
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					CPZ-5R		CPZ-6		CPZ-6A		CPZ-6R		CPZ-7		CPZ-7R		CPZ-8		CPZ-10		CPZ-10R		DN-3	
Sample Date					5/21/2010		5/24/2010		5/20/2010		5/19/2010		5/21/2010		5/25/2010		5/19/2010		5/18/2010		5/18/2010		5/18/2010	
Field Sample ID					CPZ-5R-05212010		CPZ-6-05242010		CPZ-6A-05202010		CPZ-6R-05192010		CPZ-7-05212010		CPZ-7R-05252010		CPZ-8-05192010		CPZ-10-05182010		CPZ-10R-05182010		DN-3-05182010	
Well Group					C		C		C		C		C		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4	U	4.2	U	**7.3**	--	4.2	U	4.4	U	4.2	U	4.3	U	4	U	4.2	U	4.3	U
2-Methylphenol	95-48-7	ug/L	350	10	**0.66**	J	4.2	U	4.3	U	4.2	U	4.4	U	4.2	U	4.3	U	4	U	4.2	U	4.3	U
4-Methylphenol	106-44-5	ug/L	35	10	**1.1**	J	4.2	U	4.3	U	4.2	U	4.4	U	4.2	U	4.3	U	4	U	4.2	U	4.3	U
Benzoic acid	65-85-0	ug/L	50000	10	50	U	53	U	54	UJ	52	UJ	55	U	**12**	J	54	UJ	50	UJ	53	U	53	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4	U	4.2	U	4.3	U	4.2	U	4.4	U	**5.1**	--	4.3	U	4	U	4.2	U	4.3	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	**0.73**	J	4.2	U	4.3	U	4.2	U	4.4	U	4.2	U	4.3	U	4	U	**0.37**	J	4.3	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4	U	4.2	U	4.3	U	4.2	U	4.4	U	4.2	U	4.3	U	4	U	4.2	U	4.3	U
Isophorone	78-59-1	ug/L	37	10	4	U	4.2	U	4.3	U	4.2	U	4.4	U	**91**	--	4.3	U	4	U	4.2	U	4.3	U
Phenol	108-95-2	ug/L	4000	10	4	U	4.2	U	4.3	U	4.2	U	4.4	U	4.2	U	4.3	U	4	U	4.2	U	4.3	U

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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-03		MW-05		MW-121A		MW-121B		MW-121C		MW-121M		MW-124C		MW-125C		MW-127B		MW-127C	
Sample Date					5/13/2010		5/19/2010		5/18/2010		5/19/2010		5/17/2010		5/17/2010		5/13/2010		5/19/2010		5/19/2010		5/13/2010	
Field Sample ID					MW-03-05132010		MW-05-05192010		MW-121A-05182010		MW-121B-05192010		MW-121C-05172010		MW-121M-05172010		MW-124C-05132010		MW-125C-05192010		MW-127B-05192010		MW-127C-05132010	
Well Group					R		C		C		R		R		R		R		C		C		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	4.2	U	4.4	U	4.5	U
2-Methylphenol	95-48-7	ug/L	350	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	**5.1**	--	4.4	U	4.5	U
4-Methylphenol	106-44-5	ug/L	35	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	**13**	--	4.4	U	4.5	U
Benzoic acid	65-85-0	ug/L	50000	10	50	UJ	56	UJ	53	UJ	54	UJ	53	U	51	U	50	UJ	**5.5**	J	56	UJ	57	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	4.2	U	4.4	U	4.5	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	**0.57**	J	4	U	**4.3**	--	4.4	U	4.5	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	4.2	U	4.4	U	4.5	U
Isophorone	78-59-1	ug/L	37	10	4	U	**0.7**	J	4.3	U	**0.6**	J	4.3	U	4.1	U	4	U	**4.7**	--	4.4	U	4.5	U
Phenol	108-95-2	ug/L	4000	10	4	U	4.4	U	4.3	U	4.3	U	4.3	U	4.1	U	4	U	4.2	U	4.4	U	4.5	U

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Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-128		MW-204A		MW-204B		MW-205B		MW-413		MW-415		MW-415		MW-416		MW-501A		MW-501B	
Sample Date					5/19/2010		5/15/2010		5/17/2010		5/14/2010		6/29/2010		5/25/2010		5/25/2010		5/25/2010		5/21/2010		5/24/2010	
Field Sample ID					MW-128-05192010		MW-204A-05152010		MW-204B-05172010		MW-205B-05142010		MW-413-06292010		DUP-GW-05252010-#1		MW-415-05252010		MW-416-05252010		MW-501A-05212010		MW-501B-05242010	
Well Group					C		C		C		C		N		N		N		N		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.3	U	4	U	4.1	U	4.4	U	**16**	J	**15**	--	**17**	--	**2.3**	J	4.2	U	4.2	U
2-Methylphenol	95-48-7	ug/L	350	10	4.3	U	4	U	4.1	U	4.4	U	**12**	J	**17**	--	**18**	--	**2.4**	J	4.2	U	4.2	U
4-Methylphenol	106-44-5	ug/L	35	10	4.3	U	4	U	4.1	U	4.4	U	**87**	J	**130**	--	**140**	--	**7.1**	--	4.2	U	4.2	U
Benzoic acid	65-85-0	ug/L	50000	10	53	UJ	50	UJ	51	UJ	56	UJ	--	R	**210**	J	**230**	J	50	UJ	52	U	52	U
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.3	U	4	U	4.1	U	4.4	U	8	U	4	U	4.2	U	4	U	4.2	U	4.2	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.3	U	4	U	4.1	U	4.4	U	8	U	**0.48**	J	**0.55**	J	**0.6**	J	4.2	U	4.2	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.3	U	4	U	4.1	U	4.4	U	8	U	4	U	4.2	U	4	U	4.2	U	4.2	U
Isophorone	78-59-1	ug/L	37	10	4.3	U	4	U	4.1	U	4.4	U	**10**	--	**16**	--	**16**	--	**0.31**	J	4.2	U	4.2	U
Phenol	108-95-2	ug/L	4000	10	4.3	U	4	U	4.1	U	4.4	U	**77**	J	**71**	--	**73**	--	4	U	4.2	U	4.2	U

Notes:
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J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-501C		MW-502		MW-703D		MW-703DR		MW-703S		MW-704D		MW-704D		MW-704DR		MW-704M		MW-704R	
Sample Date					5/21/2010		5/20/2010		5/12/2010		5/12/2010		5/11/2010		5/12/2010		5/12/2010		5/19/2010		5/14/2010		5/12/2010	
Field Sample ID					MW-501C-05212010		MW-502-05202010		MW-703D-05122010		MW-703DR-05122010		MW-703S-05112010		DUP-GW-05122010-#1		MW-704D-05122010		MW-704DR-05192010		MW-704M-05142010		MW-704R-05122010	
Well Group					C		R		C		C		C		R		R		R		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.2	U	4.2	UJ	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
2-Methylphenol	95-48-7	ug/L	350	10	4.2	U	4.2	UJ	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
4-Methylphenol	106-44-5	ug/L	35	10	4.2	U	4.2	UJ	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
Benzoic acid	65-85-0	ug/L	50000	10	53	U	52	UJ	56	UJ	56	UJ	56	UJ	50	UJ	50	UJ	53	UJ	55	UJ	50	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.2	U	4.2	U	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.2	U	4.2	U	4.5	U	4.4	U	4.5	U	**0.35**	J	4	U	4.3	U	4.4	U	4	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.2	U	4.2	U	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
Isophorone	78-59-1	ug/L	37	10	4.2	U	4.2	U	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U
Phenol	108-95-2	ug/L	4000	10	4.2	U	4.2	UJ	4.5	U	4.4	U	4.5	U	4	U	4	U	4.3	U	4.4	U	4	U

Notes:
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J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-704S		MW-705D		MW-705DR		MW-705R		MW-705R		MW-706DR		MW-707D		MW-707DR		MW-707M		MW-707R	
Sample Date					5/13/2010		5/17/2010		6/7/2010		5/14/2010		5/14/2010		5/18/2010		5/13/2010		5/13/2010		5/12/2010		5/14/2010	
Field Sample ID					MW-704S-05132010		MW-705D-05172010		MW-705DR-06072010		DUP-GW-05142010-#1		MW-705R-05142010		MW-706DR-05182010		MW-707D-05132010		MW-707DR-05132010		MW-707M-05122010		MW-707R-05142010	
Well Group					C		C		R		C		C		R		C		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.4	U	4.3	U	4.2	U	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U
2-Methylphenol	95-48-7	ug/L	350	10	4.4	U	4.3	U	**2.3**	J	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U
4-Methylphenol	106-44-5	ug/L	35	10	4.4	U	4.3	U	**10**	--	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U
Benzoic acid	65-85-0	ug/L	50000	10	56	UJ	53	UJ	**75**	J	54	UJ	54	UJ	57	UJ	52	UJ	50	UJ	53	UJ	55	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.4	U	4.3	U	**80**	--	4.3	U	4.3	U	**1.4**	J	4.2	U	4	U	4.3	U	4.4	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.4	U	4.3	U	**21**	B	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.4	U	4.3	U	**6.2**	--	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U
Isophorone	78-59-1	ug/L	37	10	4.4	U	4.3	U	**530**	--	4.3	U	4.3	U	**6.1**	--	4.2	U	4	U	4.3	U	4.4	U
Phenol	108-95-2	ug/L	4000	10	4.4	U	4.3	U	4.2	U	4.3	U	4.3	U	4.6	U	4.2	U	4	U	4.3	U	4.4	U

Notes:
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B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-707S		MW-709DR		MW-709R		MW-710DR		MW-710R		MW-902D		MW-902M		MW-902M		MW-903D		MW-903M	
Sample Date					5/12/2010		5/15/2010		5/17/2010		5/13/2010		5/13/2010		5/24/2010		5/24/2010		5/24/2010		5/25/2010		5/25/2010	
Field Sample ID					MW-707S-05122010		MW-709DR-05152010		MW-709R-05172010		MW-710DR-05132010		MW-710R-05132010		MW-902D-05242010		DUP-GW-05242010-#1		MW-902M-05242010		MW-903D-05252010		MW-903M-05252010	
Well Group					C		C		C		C		C		N		N		N		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	**33**	J	**3.8**	J	**3.8**	J	4	U	4	U
2-Methylphenol	95-48-7	ug/L	350	10	4.3	U	**0.35**	J	4.3	U	4.4	U	4	U	**24**	J	**2.8**	J	**3.1**	J	4	U	**1.9**	J
4-Methylphenol	106-44-5	ug/L	35	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	**110**	J	**3.1**	J	**3.4**	J	4	U	4	U
Benzoic acid	65-85-0	ug/L	50000	10	53	UJ	54	UJ	54	UJ	55	UJ	50	UJ	--	R	53	UJ	53	UJ	50	UJ	**6.6**	J
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	4.3	UJ	4.3	U	4.3	U	4	U	4	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	4.3	UJ	**8.2**	--	**7.4**	--	4	U	**0.42**	J
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	4.3	UJ	4.3	U	4.3	U	4	U	4	U
Isophorone	78-59-1	ug/L	37	10	4.3	U	**1.3**	J	4.3	U	4.4	U	4	U	**8.2**	J	4.3	U	4.3	U	4	U	**6.9**	--
Phenol	108-95-2	ug/L	4000	10	4.3	U	4.3	U	4.3	U	4.4	U	4	U	**76**	J	4.3	U	4.3	U	4	U	4	U

Notes:
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-903R		MW-903S		MW-904D		MW-904D		MW-904S		MW-905M		MW-906D		MW-906M		MW-906R		MW-907D	
Sample Date					6/8/2010		5/25/2010		6/7/2010		6/7/2010		5/26/2010		5/14/2010		6/7/2010		5/21/2010		6/8/2010		5/18/2010	
Field Sample ID					MW-903R-06082010		MW-903S-05252010		DUP-GW-06072010-#1		MW-904D-06072010		MW-904S-05262010		MW-905M-05142010		MW-906D-06072010		MW-906M-05212010		MW-906R-06082010		MW-907D-05182010	
Well Group					C		C		C		C		C		C		C		C		C		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.4	U	4.2	U	4.2	U	4.3	U	4	U	4.4	U	4.2	U	4.2	U	4.3	U	**0.95**	J
2-Methylphenol	95-48-7	ug/L	350	10	4.4	U	4.2	U	4.2	U	4.3	U	4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.2	U
4-Methylphenol	106-44-5	ug/L	35	10	4.4	U	4.2	U	4.2	U	4.3	U	4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.2	U
Benzoic acid	65-85-0	ug/L	50000	10	27	UJ	53	UJ	26	UJ	27	UJ	50	UJ	55	UJ	26	UJ	53	UJ	27	UJ	52	U
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.4	U	4.2	U	4.2	U	4.3	U	4	U	**1.4**	J	4.2	U	4.2	U	4.3	U	4.2	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	0.43	U	4.2	U	4.2	U	4.3	U	4	U	4.4	U	0.41	U	4.2	U	0.45	U	4.2	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.4	U	4.2	U	4.2	U	4.3	U	4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.2	U
Isophorone	78-59-1	ug/L	37	10	**0.44**	J	4.2	U	4.2	U	4.3	U	4	U	4.4	U	**0.52**	J	4.2	U	4.3	U	4.2	U
Phenol	108-95-2	ug/L	4000	10	**0.82**	J	4.2	U	4.2	U	4.3	U	4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.2	U

Notes:
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J = Analyte result is estimated
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location					MW-907DR		MW-907M		MW-907M		MW-908D		MW-909D		MW-910S		MWL-303		MWL-304		MWL-307		MWL-309	
Sample Date					5/18/2010		5/19/2010		5/19/2010		5/20/2010		5/20/2010		6/7/2010		5/20/2010		5/24/2010		5/24/2010		5/20/2010	
Field Sample ID					MW-907DR-05182010		DUP-GW-05192010-#1		MW-907M-05192010		MW-908D-05202010		MW-909D-05202010		MW-910S-06072010		MWL-303-05202010		MWL-304-05242010		MWL-307-05242010		MWL-309-05202010	
Well Group					R		R		R		C		C		C		C		N		N		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.2	U	4.2	U	**3.1**	J	4	U	4	U	4	U	4.3	U	**0.6**	J	**68**	--	4.2	U
2-Methylphenol	95-48-7	ug/L	350	10	4.2	U	4.2	U	4.3	U	4	U	4	U	4	U	4.3	U	**0.72**	J	**27**	--	4.2	U
4-Methylphenol	106-44-5	ug/L	35	10	4.2	U	4.2	U	4.3	U	4	U	4	U	4	U	4.3	U	**1.7**	J	**210**	--	4.2	U
Benzoic acid	65-85-0	ug/L	50000	10	52	UJ	52	UJ	53	UJ	50	UJ	50	UJ	25	UJ	54	UJ	52	U	50	UJ	52	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.2	U	4.2	U	4.3	U	**3.6**	J	4	U	**7.8**	--	4.3	U	4.2	U	4	U	4.2	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.2	U	4.2	U	4.3	U	4	U	4	U	4	U	4.3	U	4.2	U	**2.4**	J	4.2	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.2	U	4.2	U	4.3	U	4	U	4	U	4	U	4.3	U	4.2	U	4	U	4.2	U
Isophorone	78-59-1	ug/L	37	10	**2.7**	J	4.2	U	4.3	U	4	U	**9.7**	--	4	U	4.3	U	**0.71**	J	**21**	--	4.2	U
Phenol	108-95-2	ug/L	4000	10	4.2	U	4.2	U	4.3	U	4	U	4	U	4	U	4.3	U	4.2	U	**160**	--	4.2	U

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

				Sample Location	MWL-312		MWL-313		P-3A		P-3B		P-5B		P-6		P-11A		P-11B		P-13		P-101A	
				Sample Date	5/20/2010		5/14/2010		5/26/2010		5/18/2010		5/21/2010		5/20/2010		5/13/2010		5/17/2010		5/12/2010		5/17/2010	
				Field Sample ID	MWL-312-05202010		MWL-313-05142010		P-3A-05262010		P-3B-05182010		P-5B-05212010		P-6-05202010		P-11A-05132010		P-11B-05172010		P-13-05122010		DUP-GW-05172010-#1	
				Well Group	C		C		C		C		C		C		R		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	**5**	--	4.3	U	4.4	U	4.2	U	4.3	U
2-Methylphenol	95-48-7	ug/L	350	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	**1.3**	J	4.4	U	4.2	U	4.3	U
4-Methylphenol	106-44-5	ug/L	35	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	4.3	U	4.4	U	4.2	U	4.3	U
Benzoic acid	65-85-0	ug/L	50000	10	57	UJ	54	UJ	52	UJ	54	UJ	52	U	53	UJ	53	UJ	55	U	52	UJ	54	U
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	4.3	U	4.4	U	4.2	U	4.3	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.5	U	4.3	U	4.2	U	4.3	U	**0.64**	J	4.2	U	**0.47**	J	**0.58**	J	4.2	U	4.3	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	4.3	U	4.4	U	4.2	U	4.3	U
Isophorone	78-59-1	ug/L	37	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	4.3	U	4.4	U	4.2	U	4.3	U
Phenol	108-95-2	ug/L	4000	10	4.5	U	4.3	U	4.2	U	4.3	U	4.2	U	4.2	U	4.3	U	4.4	U	4.2	U	4.3	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					P-101A		P-101B		P-101C		P-102A		P-102B		P-102C		PZO-2D		PZO-2M		PZO-3D		PZO-3M	
Sample Date					5/17/2010		5/13/2010		5/13/2010		5/17/2010		5/17/2010		5/18/2010		5/11/2010		5/11/2010		5/14/2010		5/13/2010	
Field Sample ID					P-101A-05172010		P-101B-05132010		P-101C-05132010		P-102A-05172010		P-102B-05172010		P-102C-05182010		PZO-2D-05112010		PZO-2M-05112010		PZO-3D-05142010		PZO-3M-05132010	
Well Group					C		R		R		C		C		C		R		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
2-Methylphenol	95-48-7	ug/L	350	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
4-Methylphenol	106-44-5	ug/L	35	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
Benzoic acid	65-85-0	ug/L	50000	10	53	U	55	UJ	56	UJ	59	UJ	55	UJ	56	UJ	52	UJ	53	UJ	54	UJ	55	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
Isophorone	78-59-1	ug/L	37	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U
Phenol	108-95-2	ug/L	4000	10	4.2	U	4.4	U	4.4	U	4.7	U	4.4	U	4.4	U	4.2	U	4.2	U	4.3	U	4.4	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					PZO-4D		PZO-4M		PZO-204M		PZR-2DR		PZR-2R		PZR-3R		PZR-4DR		PZR-4R		PZR-5R		SRS-1	
Sample Date					5/11/2010		5/12/2010		5/17/2010		5/11/2010		5/12/2010		5/12/2010		5/11/2010		5/11/2010		5/15/2010		5/18/2010	
Field Sample ID					PZO-4D-05112010		PZO-4M-05122010		PZO-204M-05172010		PZR-2DR-05112010		PZR-2R-05122010		PZR-3R-05122010		PZR-4DR-05112010		PZR-4R-05112010		PZR-5R-05152010		SRS-1-05182010	
Well Group					C		C		C		C		R		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																				
PAHs (8270C)																								
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
2-Methylphenol	95-48-7	ug/L	350	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
4-Methylphenol	106-44-5	ug/L	35	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
Benzoic acid	65-85-0	ug/L	50000	10	50	UJ	50	UJ	54	UJ	56	UJ	57	UJ	56	UJ	55	UJ	53	UJ	56	UJ	54	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
Isophorone	78-59-1	ug/L	37	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U
Phenol	108-95-2	ug/L	4000	10	4	U	4	U	4.3	U	4.5	U	4.5	U	4.5	U	4.4	U	4.3	U	4.5	U	4.3	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

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Table 4 – Groundwater Data Summary – PAHs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location					SRS-3		TW-08A		TW-08B		TW-08D	
Sample Date					5/18/2010		5/25/2010		5/24/2010		5/24/2010	
Field Sample ID					SRS-3-05182010		TW-08A-05252010		TW-08B-05242010		TW-08D-05242010	
Well Group					C		N		N		N	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**								
PAHs (8270C)												
2,4-Dimethylphenol	105-67-9	ug/L	140	10	4.3	U	**3.9**	J	**11**	J	**3**	J
2-Methylphenol	95-48-7	ug/L	350	10	4.3	U	**3.8**	J	**7.9**	J	**4.5**	--
4-Methylphenol	106-44-5	ug/L	35	10	4.3	U	**22**	--	**66**	J	**29**	--
Benzoic acid	65-85-0	ug/L	50000	10	54	U	52	UJ	--	R	53	UJ
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	2	10	4.3	U	4.2	U	**5.6**	--	4.3	U
Di-n-butyl phthalate	84-74-2	ug/L	700	10	4.3	U	4.2	U	**9.4**	--	**2.7**	J
Di-n-octyl phthalate	117-84-0	ug/L	100	10	4.3	U	4.2	U	4.2	U	4.3	U
Isophorone	78-59-1	ug/L	37	10	4.3	U	**5.7**	--	**67**	--	**4.8**	--
Phenol	108-95-2	ug/L	4000	10	4.3	U	**15**	J	**51**	J	**23**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
B = Analyte was found in an associated blank, as well as in the sample
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
PAHs = polycyclic aromatic hydrocarbons
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				CPZ-1		CPZ-1R		CPZ-2A		CPZ-2R		CPZ-3		CPZ-3		CPZ-3R		CPZ-4A		CPZ-4R		CPZ-5		CPZ-5R	
Sample Date				5/18/2010		5/20/2010		5/20/2010		5/18/2010		5/21/2010		5/21/2010		5/24/2010		5/19/2010		5/19/2010		5/24/2010		5/21/2010	
Field Sample ID				CPZ-1-05182010		CPZ-1R-05202010		CPZ-2A-05202010		CPZ-2R-05182010		CPZ-3-05212010		DUP-GW-05212010-#1		CPZ-3R-05242010		CPZ-4A-05192010		CPZ-4R-05192010		CPZ-5-05242010		CPZ-5R-05212010	
Well Group				C		C		C		C		C		C		C		R		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	U	250	UJ	**23**	J	250	U	250	U	250	U	250	UJ	**16.5**	J	250	UJ	250	U
Aluminum (Total)	7429-90-5	ug/L	--	250	UJ	250	U	250	UJ	**452**	--	250	U	250	U	**1010**	--	**165**	J	**398**	--	**153**	J	**324**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	UJ
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	UJ
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	U	15	UJ	15	U	15	U	15	UJ	**4.1**	J	15	UJ	15	U	15	U	15	U	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	U	15	U	15	UJ	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**180**	--	**95.4**	--	**169**	--	**51.5**	--	**686**	--	**668**	--	**13.5**	--	**445**	--	**7.5**	--	**954**	--	**72.8**	--
Barium (Total)	7440-39-3	ug/L	1000	**184**	--	**93.2**	--	**183**	--	**70.9**	--	**670**	--	**679**	--	**25.9**	--	**443**	--	**17.3**	--	**948**	--	**78.4**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	5	U	5	U	5	U	5	U	5	U	5	U	**0.86**	J	5	U	5	U	**1.1**	J	5	U
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	UJ	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	UJ	5	UJ	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	**0.57**	J	5	U	5	UJ	5	UJ	5	U	5	U	5	U	**0.62**	J	5	UJ	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	**1.6**	J	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	10	U	10	U	**3.6**	J	10	U	10	U	10	U	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	**943**	--	**16.1**	J	**259**	J	125	U	**16000**	--	**16800**	--	125	U	**11500**	--	125	U	**9310**	--	**158**	--
Iron (Total)	7439-89-6	ug/L	--	**1100**	--	125	U	**374**	J	**387**	--	**17400**	--	**17400**	--	**647**	--	**12000**	--	**289**	--	**9730**	--	**674**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U	15	U	15	UJ	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U	15	U	15	UJ	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**1780**	--	**0.33**	J	**190**	--	**4.1**	J	**3220**	--	**3250**	--	**46.8**	--	**2720**	--	**66.8**	--	**3860**	--	**197**	--
Manganese (Total)	7439-96-5	ug/L	500	**1830**	--	**0.38**	J	**159**	--	**27.2**	--	**3270**	--	**3280**	--	**68.6**	--	**2740**	--	**75.6**	--	**3890**	--	**178**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	UJ	5	U	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	U	5	UJ
Nickel (Total)	7440-02-0	ug/L	100	**31.5**	--	5	UJ	5	U	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	U	5	UJ
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	**0.72**	J	**0.67**	J	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	**0.81**	J	**0.75**	J	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	**1.2**	J	**8.7**	--	5	UJ	**4.6**	J	**1.9**	J	**2.3**	J	**2**	J	**1.3**	J	5	UJ	**1.9**	J	**4.6**	J
Vanadium (Total)	7440-62-2	ug/L	50	**1.8**	J	**8.8**	--	5	UJ	**8.9**	--	**1.9**	J	**2.6**	J	**3.8**	J	**1.6**	J	5	UJ	**2**	J	**10.7**	--
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

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Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				CPZ-6		CPZ-6A		CPZ-6R		CPZ-7		CPZ-7R		CPZ-8		CPZ-10		CPZ-10R		DN-3		MW-03		MW-05	
Sample Date				5/24/2010		5/20/2010		5/19/2010		5/21/2010		5/25/2010		5/19/2010		5/18/2010		5/18/2010		5/18/2010		5/13/2010		5/19/2010	
Field Sample ID				CPZ-6-05242010		CPZ-6A-05202010		CPZ-6R-05192010		CPZ-7-05212010		CPZ-7R-05252010		CPZ-8-05192010		CPZ-10-05182010		CPZ-10R-05182010		DN-3-05182010		MW-03-05132010		MW-05-05192010	
Well Group				C		C		C		C		C		C		C		C		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	UJ	250	UJ	250	U	250	UJ	250	UJ	250	UJ	250	UJ	250	UJ	500	UJ	250	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**28200**	--	250	U	**345**	--	250	U	**140**	J	250	UJ	**880**	--	250	UJ	250	UJ	500	UJ	**97.5**	J
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	UJ	**9.9**	J	15	U	15	UJ	15	UJ	**4.4**	J	15	UJ	15	UJ	15	U	15	U	15	U
Arsenic (Total)	7440-38-2	ug/L	10	15	U	**4.2**	J	15	U	**4.4**	J	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	U
Barium (Dissolved)	7440-39-3	ug/L	--	**414**	--	**1130**	--	**856**	--	**678**	--	**73.7**	--	**366**	--	**363**	--	**231**	--	**215**	--	**242**	--	**634**	--
Barium (Total)	7440-39-3	ug/L	1000	**858**	--	**1170**	--	**834**	--	**700**	--	**74.7**	--	**388**	--	**381**	--	**232**	--	**219**	--	**264**	--	**633**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	**2**	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**0.7**	J	5	U
Chromium (Total)	7440-47-3	ug/L	100	**44.2**	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	**4**	J	5	UJ	5	U	5	U	**1.1**	J	5	UJ	5	UJ	5	UJ	5	U	5	UJ
Cobalt (Total)	7440-48-4	ug/L	10	**21.2**	--	**4.5**	J	5	UJ	5	U	5	U	**1**	J	5	UJ	5	UJ	5	UJ	5	U	5	UJ
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	**2.5**	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	**52.1**	--	**2.8**	J	**2**	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	**3170**	--	**21800**	J	**8130**	J	**26500**	--	**91.3**	J	**7190**	--	125	U	125	U	125	U	125	U	**951**	--
Iron (Total)	7439-89-6	ug/L	--	**48700**	--	**22800**	J	**8490**	J	**26800**	--	**245**	--	**7850**	--	**883**	--	125	U	125	U	125	U	**1160**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	U	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	**18.1**	J	15	U	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**3010**	--	**1530**	--	**3500**	--	**3590**	--	**332**	--	**7330**	--	**1.5**	J	**0.58**	J	**19.7**	--	**633**	--	**1530**	--
Manganese (Total)	7439-96-5	ug/L	500	**4300**	--	**1580**	--	**3420**	--	**3660**	--	**330**	--	**7420**	--	**40.9**	--	**6.2**	J	**184**	--	**992**	--	**1530**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	UJ	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	**46.4**	--	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	**1**	J	5	U	**1.8**	J	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	**0.95**	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ
Vanadium (Dissolved)	7440-62-2	ug/L	--	**2.3**	J	**3**	J	**2**	J	**1.1**	J	**1.5**	J	**2.6**	J	**1.1**	J	5	UJ	**1.3**	J	**1.7**	J	**1.1**	J
Vanadium (Total)	7440-62-2	ug/L	50	**88**	--	**3.6**	J	**2.7**	J	**1.7**	J	**2.5**	J	**2.7**	J	**3.1**	J	5	UJ	**2.2**	J	**2.2**	J	**1.6**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	**128**	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

de maximis, inc. ARCADIS ddms, inc.

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				MW-121A		MW-121B		MW-121C		MW-121M		MW-124C		MW-125C		MW-126B		MW-126C		MW-127B		MW-127C		MW-128	
Sample Date				5/18/2010		5/19/2010		5/17/2010		5/17/2010		5/13/2010		5/19/2010		5/20/2010		5/20/2010		5/19/2010		5/13/2010		5/19/2010	
Field Sample ID				MW-121A-05182010		MW-121B-05192010		MW-121C-05172010		MW-121M-05172010		MW-124C-05132010		MW-125C-05192010		MW-126B-05202010		MW-126C-05202010		MW-127B-05192010		MW-127C-05132010		MW-128-05192010	
Well Group				C		R		R		R		R		C		M		B		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	UJ	250	U	250	UJ	500	UJ	250	UJ	250	UJ	250	UJ	250	UJ	500	UJ	250	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**30.1**	J	**20.4**	J	**72.7**	J	**1450**	--	**931**	--	250	UJ	250	UJ	**192**	J	**163**	J	**1190**	--	**373**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	U	**7.8**	J	**6.3**	J	**7.5**	J	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Total)	7440-38-2	ug/L	10	15	U	**8.1**	J	15	UJ	**5.7**	J	15	U	**5.6**	J	15	U	15	U	15	U	**5**	J	**5.3**	J
Barium (Dissolved)	7440-39-3	ug/L	--	**58.6**	--	**904**	--	**548**	--	**238**	--	**54.7**	--	**589**	--	**426**	--	**360**	--	**165**	--	**52.7**	--	**10.1**	--
Barium (Total)	7440-39-3	ug/L	1000	**62.1**	--	**934**	--	**552**	--	**270**	--	**63.9**	--	**598**	--	**412**	--	**369**	--	**163**	--	**64.2**	--	**17.7**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	5	U	5	U	5	U	**4.4**	J	**1.1**	J	5	U	5	U	5	U	5	U	**0.83**	J	5	U
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	UJ	5	UJ	5	UJ	**0.52**	J	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	UJ
Cobalt (Total)	7440-48-4	ug/L	10	5	UJ	5	UJ	5	UJ	**1.7**	J	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	UJ
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	**2.4**	J	10	U	10	U	**2.7**	J
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	10	U	10	U	10	U	**1.8**	J	10	U	**4.2**	J	**3.2**	J
Iron (Dissolved)	7439-89-6	ug/L	--	**174**	--	**2920**	--	**2640**	--	**1370**	--	125	U	125	U	125	UJ	**17.4**	J	125	UJ	125	U	**32.4**	J
Iron (Total)	7439-89-6	ug/L	--	**925**	--	**3090**	--	**2710**	--	**3510**	--	**1010**	--	**360**	--	**25.9**	J	**213**	J	**204**	J	**936**	--	**370**	J
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**527**	--	**2720**	--	**2260**	--	**7680**	--	**3.5**	J	**279**	--	**55.7**	--	**0.46**	J	**0.25**	J	**0.77**	J	**110**	--
Manganese (Total)	7439-96-5	ug/L	500	**702**	--	**2830**	--	**2270**	--	**8070**	--	**37.8**	--	**280**	--	**80**	--	**8.9**	--	**8.5**	--	**28.5**	--	**121**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	5	UJ	**1.5**	J	**1.7**	J	**3.5**	J	**4.2**	J	5	UJ	**1.6**	J	**1.1**	J	**1.4**	J	**2.4**	J	**5.9**	J
Vanadium (Total)	7440-62-2	ug/L	50	**1.1**	J	**2**	J	**1.6**	J	**8.6**	J	**7.4**	J	5	UJ	5	UJ	**2.4**	J	**1.5**	J	**4.9**	J	**6.2**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	25	U	25	U	**11**	J	25	U	25	U	**5.5**	J	25	U	25	U	**5.1**	J	25	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				MW-204A		MW-204B		MW-205B		MW-209A		MW-209B		MW-413		MW-415		MW-415		MW-416		MW-501A		MW-501B	
Sample Date				5/15/2010		5/17/2010		5/14/2010		5/18/2010		5/18/2010		6/29/2010		5/25/2010		5/25/2010		5/25/2010		5/21/2010		5/24/2010	
Field Sample ID				MW-204A-05152010		MW-204B-05172010		MW-205B-05142010		MW-209A-05182010		MW-209B-05182010		MW-413-06292010		DUP-GW-05252010-#1		MW-415-05252010		MW-416-05252010		MW-501A-05212010		MW-501B-05242010	
Well Group				C		C		C		B		B		N		N		N		N		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	UJ	500	UJ	250	UJ	**3520**	--	250	U	250	UJ	250	UJ	250	UJ	250	U	250	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**417**	--	**24.3**	J	500	UJ	250	UJ	**15300**	--	250	U	250	UJ	250	UJ	**182**	J	**261**	--	**4280**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	UJ	15	UJ	15	U	15	UJ	15	UJ	**8.3**	J	15	UJ	15	U	15	UJ	15	UJ	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	15	UJ	15	UJ	15	U	15	UJ	**5.9**	J	**6.5**	J	15	U	15	U	15	UJ	15	UJ	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**105**	--	**262**	--	**277**	--	**257**	--	**175**	--	**607**	--	**247**	--	**245**	--	**83**	--	**150**	--	**301**	--
Barium (Total)	7440-39-3	ug/L	1000	**101**	--	**263**	--	**271**	--	**257**	--	**654**	--	**608**	--	**247**	--	**244**	--	**85**	--	**156**	--	**399**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	**0.44**	J	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	**2.1**	J	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	**0.63**	J	5	U	5	U	5	U	**4**	J	**4.3**	J	**11.6**	--	**11.8**	--	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	**1.4**	J	5	U	5	U	5	U	**21.1**	--	**4.6**	J	**12.3**	--	**12**	--	5	U	5	U	**6.6**	--
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	U	5	U	5	UJ	**1.8**	J	5	UJ	5	U	5	U	5	U	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	5	U	5	U	5	U	5	UJ	**9.5**	--	5	UJ	5	U	5	U	5	U	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	UJ	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	**27.9**	--	**1.5**	J	10	U	**1.8**	J	10	U	10	U	**7.2**	J
Iron (Dissolved)	7439-89-6	ug/L	--	125	U	125	U	125	U	125	U	**2650**	--	**30700**	--	**21700**	--	**21900**	--	**1300**	--	125	U	125	U
Iron (Total)	7439-89-6	ug/L	--	**394**	--	125	U	125	U	125	U	**14200**	--	**30500**	--	**21800**	--	**21800**	--	**1440**	--	**273**	--	**4970**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	U	15	UJ
Lead (Total)	7439-92-1	ug/L	15	15	UJ	15	UJ	15	U	15	UJ	**18.7**	--	15	U	15	UJ	15	UJ	15	UJ	15	U	15	UJ
Manganese (Dissolved)	7439-96-5	ug/L	--	**0.46**	J	8	U	8	U	8	U	**581**	--	**6100**	--	**5020**	--	**5030**	--	**949**	--	**0.32**	J	**0.64**	J
Manganese (Total)	7439-96-5	ug/L	500	**13.5**	--	**7.3**	J	8	U	**0.62**	J	**705**	--	**6010**	--	**5020**	--	**5000**	--	**929**	--	**7.1**	J	**135**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	U	5	U	5	U	**6.6**	--	5	U	5	U	5	U	5	U	5	UJ	5	UJ
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	U	5	U	5	U	**27.8**	--	5	U	5	U	5	U	6.4	U	5	UJ	6.5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	**1.6**	J	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	**1.7**	J	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	UJ	**4.4**	J	15	UJ	15	U	15	UJ
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ
Vanadium (Dissolved)	7440-62-2	ug/L	--	**5.9**	J	**4**	J	**4.6**	J	**2.3**	J	**8.4**	J	**2.9**	J	**6.2**	J	**6.4**	J	**9**	J	**19.3**	--	**6.7**	--
Vanadium (Total)	7440-62-2	ug/L	50	**6.2**	J	**4.2**	J	**4**	J	**2.4**	J	**30.6**	--	**3**	J	**6.6**	J	**6.3**	J	**10**	J	**19.8**	--	**16.9**	--
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	**14.9**	J	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	25	U	25	U	25	U	**68.8**	--	25	U	25	U	25	U	25	U	25	U	25	U

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Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				MW-501C		MW-502		MW-701DR		MW-703D		MW-703DR		MW-703S		MW-704D		MW-704D		MW-704DR		MW-704M		MW-704R	
Sample Date				5/21/2010		5/20/2010		5/18/2010		5/12/2010		5/12/2010		5/11/2010		5/12/2010		5/12/2010		5/19/2010		5/14/2010		5/12/2010	
Field Sample ID				MW-501C-05212010		MW-502-05202010		MW-701DR-05182010		MW-703D-05122010		MW-703DR-05122010		MW-703S-05112010		DUP-GW-05122010-#1		MW-704D-05122010		MW-704DR-05192010		MW-704M-05142010		MW-704R-05122010	
Well Group				C		R		M		C		C		C		R		R		R		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	U	250	UJ	250	UJ	500	U	**29.4**	J	500	U	500	U	500	U	250	UJ	500	UJ	**200**	J
Aluminum (Total)	7429-90-5	ug/L	--	250	U	**2790**	--	**128**	J	**1320**	--	**659**	--	**325**	J	**44.5**	J	**127**	J	**1140**	--	500	UJ	**2650**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	UJ	15	U	**5.1**	J	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	15	UJ	**4.6**	J	15	UJ	15	U	15	UJ	15	U	15	U	15	U	**5.1**	J	15	U	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**43.2**	J	**1030**	--	**90.3**	--	**219**	--	7.9	U	**226**	--	**704**	--	**692**	--	**74.1**	--	**591**	--	**338**	--
Barium (Total)	7440-39-3	ug/L	1000	**35.3**	J	**1070**	--	**93**	--	**290**	--	12.4	U	**231**	--	**702**	--	**707**	--	**81.1**	--	**577**	--	**441**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**0.33**	J
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	**0.64**	J	5	U	5	U	**0.51**	J	5	U
Chromium (Total)	7440-47-3	ug/L	100	5	U	**5.6**	--	5	U	**2.1**	J	5	U	**1.1**	J	**0.61**	J	**0.86**	J	5	U	5	U	**5.3**	--
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	5	U	**2.4**	J	5	UJ	**0.51**	J	5	U	5	U	5	U	5	U	5	UJ	5	U	**7.1**	--
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	**2**	J	**3.7**	J	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	**5.5**	J	10	U	**2**	J	10	U	10	U	10	U	10	U	**2.7**	J	10	U	**13**	--
Iron (Dissolved)	7439-89-6	ug/L	--	**9490**	--	**4640**	J	125	U	125	U	**35.1**	J	125	U	**471**	--	**454**	--	**776**	J	125	U	**309**	--
Iron (Total)	7439-89-6	ug/L	--	**10100**	--	**8130**	J	**115**	J	**1180**	--	**540**	--	**386**	--	**558**	--	**654**	--	**1070**	J	**161**	--	**4930**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	U	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	U	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**873**	--	**1710**	--	**1.6**	J	8	U	**21.6**	--	**0.32**	J	**2540**	--	**2530**	--	**526**	--	**2550**	--	**568**	--
Manganese (Total)	7439-96-5	ug/L	500	**954**	--	**1800**	--	**8.2**	--	**36.3**	--	**35.6**	--	**15.3**	--	**2570**	--	**2600**	--	**514**	--	**2510**	--	**1500**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	UJ	**6**	--	5	U	**2.2**	J	5	U	5	U	5	U	**1.1**	J	5	U	5	U	**6.6**	--
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	**1.1**	J	**1.9**	J	**7.8**	J	5	UJ	5	UJ	**3.7**	J	5	UJ	**1.1**	J	**1.1**	J	**1.1**	J	**3**	J
Vanadium (Total)	7440-62-2	ug/L	50	**1.5**	J	**9.8**	--	**8**	J	**4.1**	J	**1.2**	J	**4.3**	J	**1.1**	J	**1.4**	J	**4.1**	J	**1.2**	J	**19.5**	--
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	**9.8**	J	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	**12.9**	J	25	U	**8.8**	J	25	U	25	U	25	U	25	U	**5.4**	J	**11.8**	J	**15.2**	J

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location				MW-704S		MW-705D		MW-705DR		MW-705R		MW-705R		MW-706DR		MW-707D		MW-707DR		MW-707M		MW-707R		MW-707S	
Sample Date				5/13/2010		5/17/2010		6/7/2010		5/14/2010		5/14/2010		5/18/2010		5/13/2010		5/13/2010		5/12/2010		5/14/2010		5/12/2010	
Field Sample ID				MW-704S-05132010		MW-705D-05172010		MW-705DR-06072010		DUP-GW-05142010-#1		MW-705R-05142010		MW-706DR-05182010		MW-707D-05132010		MW-707DR-05132010		MW-707M-05122010		MW-707R-05142010		MW-707S-05122010	
Well Group				C		C		R		C		C		R		C		R		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	500	UJ	**129**	J	**31.9**	J	**126**	J	**91**	J	250	UJ	500	UJ	**10**	J	500	UJ	500	UJ	500	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**327**	J	**29900**	--	**652**	--	**5320**	--	**5750**	--	**742**	--	500	UJ	**1190**	--	**326**	J	**646**	--	**34.2**	J
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	U	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	**5.2**	J	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	15	U	**4.5**	J	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	15	U	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**15.3**	--	**137**	--	**21.2**	--	**129**	--	**128**	--	**7.5**	--	**265**	--	**25.7**	--	**279**	--	**170**	--	**280**	--
Barium (Total)	7440-39-3	ug/L	1000	**17.8**	--	**618**	--	**31.8**	--	**221**	--	**227**	--	**11.2**	--	**263**	--	**34.8**	--	**291**	--	**184**	--	**281**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	**2.3**	J	5	U	**1.2**	J	**1.2**	J	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	5	U	**48**	--	**0.74**	J	**6.8**	--	**7.5**	--	5	U	5	U	**1.3**	J	**0.68**	J	**1.3**	J	5	U
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	5	U	**22.7**	--	5	U	**3.9**	J	**4.3**	J	5	UJ	5	U	5	U	5	U	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	**2**	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	**46.9**	--	**3.4**	J	**5.7**	J	**6.1**	J	10	U	10	U	**5.3**	J	10	U	10	U	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	125	U	**164**	--	125	U	**142**	--	**107**	J	125	U	**73.4**	J	125	U	125	U	125	U	125	U
Iron (Total)	7439-89-6	ug/L	--	**337**	--	**33100**	--	**469**	--	**4960**	--	**5240**	--	**763**	--	**23**	J	**972**	--	**337**	--	**612**	--	**62.2**	J
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	20.8	U	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**27.5**	--	**189**	--	**6.8**	J	**96.5**	--	**100**	--	**30.5**	--	**0.5**	J	**3.2**	J	8	U	**0.32**	J	8	U
Manganese (Total)	7439-96-5	ug/L	500	**36.5**	--	**1400**	--	**17.9**	--	**371**	--	**353**	--	**56.4**	--	**1.2**	J	**28.6**	--	**15.3**	--	**45.9**	--	**2.8**	J
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	U	**50.4**	--	**93.8**	--	**8.8**	--	**10.1**	--	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	U	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	U	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	5	UJ	**2.1**	J	**17.6**	--	**3.1**	J	**3.7**	J	**3**	J	**3.4**	J	**7.7**	J	**5.4**	J	**4.6**	J	**5.9**	J
Vanadium (Total)	7440-62-2	ug/L	50	5	UJ	**76.5**	--	**19.3**	--	**16.3**	--	**17.4**	--	**7.1**	J	**3.8**	J	**9.4**	--	**6.2**	J	**6.1**	J	**5.9**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	**18.5**	J	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	**124**	--	**39.9**	--	**20.7**	J	**22.2**	J	**7.6**	J	25	U	**5.4**	J	25	U	25	U	25	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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			Sample Location	MW-709DR		MW-709R		MW-710DR		MW-710R		MW-901R		MW-902D		MW-902M		MW-902M		MW-903D		MW-903M		MW-903R	
			Sample Date	5/15/2010		5/17/2010		5/13/2010		5/13/2010		5/20/2010		5/24/2010		5/24/2010		5/24/2010		5/25/2010		5/25/2010		6/8/2010	
			Field Sample ID	MW-709DR-05152010		MW-709R-05172010		MW-710DR-05132010		MW-710R-05132010		MW-901R-05202010		MW-902D-05242010		DUP-GW-05242010-#1		MW-902M-05242010		MW-903D-05252010		MW-903M-05252010		MW-903R-06082010	
			Well Group	C		C		C		C		M		N		N		N		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	UJ	500	UJ	500	UJ	250	UJ	250	U	250	UJ	250	UJ	250	UJ	250	UJ	**847**	--
Aluminum (Total)	7429-90-5	ug/L	--	**156**	J	**185**	J	**888**	--	**102**	J	**424**	--	250	U	**88.3**	J	**119**	J	**749**	--	**782**	--	**8390**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	7.7	U
Barium (Dissolved)	7440-39-3	ug/L	--	**39**	--	**36.9**	--	**39.3**	--	**624**	--	**197**	--	**1290**	--	**757**	--	**764**	--	**255**	--	**153**	--	**53.2**	--
Barium (Total)	7440-39-3	ug/L	1000	**41.2**	--	**48.1**	--	**46.4**	--	**612**	--	**203**	--	**1230**	--	**752**	--	**754**	--	**273**	--	**170**	--	**105**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**0.73**	J
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	UJ
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	UJ
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	**2.7**	J	5	U	**3.9**	J	**1**	J	**1.1**	J	**4.7**	J	5	U	**135**	--
Chromium (Total)	7440-47-3	ug/L	100	5	U	5	U	**1**	J	**2.4**	J	5	U	**4.2**	J	**1.3**	J	**1.1**	J	**6.8**	--	**0.91**	J	**143**	--
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	U	5	U	5	U	5	UJ	**10.5**	--	5	U	5	U	5	U	5	U	5	UJ
Cobalt (Total)	7440-48-4	ug/L	10	5	U	5	U	5	U	5	U	5	UJ	**10.9**	--	5	U	5	U	5	U	5	U	**5.3**	--
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	**1.7**	J	10	U	10	U	10	U	**5.6**	J
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	**1.5**	J	10	U	**1.6**	J	10	U	**1.8**	J	10	U	**13.4**	--
Iron (Dissolved)	7439-89-6	ug/L	--	**2430**	--	125	U	125	U	125	U	125	UJ	**40900**	--	**17600**	--	**17800**	--	125	U	125	U	**506**	--
Iron (Total)	7439-89-6	ug/L	--	**3300**	--	**249**	--	**846**	--	**120**	J	**364**	J	**41500**	--	**17800**	--	**17800**	--	**817**	--	**570**	--	**7200**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Lead (Total)	7439-92-1	ug/L	15	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**234**	--	**2.9**	J	**131**	--	**8.3**	--	**2.8**	J	**6680**	--	**3730**	--	**3750**	--	**12.9**	--	**29.4**	--	**21.1**	--
Manganese (Total)	7439-96-5	ug/L	500	**243**	--	**13.3**	--	**153**	--	**13**	--	**21**	--	**6700**	--	**3750**	--	**3740**	--	**37.3**	--	**43.1**	--	**346**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	U	5	U	5	U	5	U	5.5	U	5	U	5	U	5	U	5	U	5	UJ
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	U	5	U	5	U	5	U	5.3	U	5	U	5	U	5	U	5	U	**12.8**	--
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Vanadium (Dissolved)	7440-62-2	ug/L	--	5	UJ	**12.2**	--	5	UJ	**11.3**	--	**1.1**	J	**4.8**	J	**1.7**	J	**2.2**	J	**5.7**	J	**9**	J	**27.4**	--
Vanadium (Total)	7440-62-2	ug/L	50	**3.1**	J	**13.5**	--	**2.1**	J	**10.4**	--	**2.2**	J	**3.7**	J	**2.1**	J	**2.1**	J	**7.9**	J	**11.3**	--	**55.2**	--
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	**5.1**	J	25	U	**13.4**	J	25	U	25	U	25	U	25	U	25	U	25	U	25	U	**31.8**	--

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location				MW-903S		MW-904D		MW-904D		MW-904S		MW-905M		MW-906D		MW-906M		MW-906R		MW-907D		MW-907DR		MW-907M	
Sample Date				5/25/2010		6/7/2010		6/7/2010		5/26/2010		5/14/2010		6/7/2010		5/21/2010		6/8/2010		5/18/2010		5/18/2010		5/19/2010	
Field Sample ID				MW-903S-05252010		DUP-GW-06072010-#1		MW-904D-06072010		MW-904S-05262010		MW-905M-05142010		MW-906D-06072010		MW-906M-05212010		MW-906R-06082010		MW-907D-05182010		MW-907DR-05182010		DUP-GW-05192010-#1	
Well Group				C		C		C		C		C		C		C		C		R		R		R	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	UJ	250	UJ	250	UJ	500	UJ	250	U	250	U	**580**	--	250	UJ	**13.9**	J	250	U
Aluminum (Total)	7429-90-5	ug/L	--	**73.5**	J	**500**	--	**581**	--	**34.9**	J	**404**	J	**1550**	--	250	U	**635**	--	**1320**	--	**173**	J	**490**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	U	**5.3**	J
Arsenic (Total)	7440-38-2	ug/L	10	15	UJ	15	U	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	**4.6**	J	15	U	**6.7**	J
Barium (Dissolved)	7440-39-3	ug/L	--	**648**	--	**177**	--	**176**	--	**254**	--	**137**	--	**339**	--	**179**	--	**114**	--	**1560**	--	**4.8**	J	**1800**	--
Barium (Total)	7440-39-3	ug/L	1000	**645**	--	**183**	--	**184**	--	**252**	--	**141**	--	**372**	--	**177**	--	**120**	--	**1650**	--	**6.1**	--	**1860**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	**2.1**	J	5	U	5	U	**1.5**	J	5	U	5	UJ	5	U	**7**	--	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	**2**	J	**1.1**	J	**1.3**	J	**1.6**	J	**0.63**	J	**2.5**	J	5	U	**7.4**	--	5	U	5	U	5	U
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	U	5	U	**0.87**	J	5	U	5	UJ	5	U	5	U	5	UJ	5	UJ	**0.67**	J
Cobalt (Total)	7440-48-4	ug/L	10	5	U	5	U	5	U	**0.95**	J	5	U	5	UJ	5	U	5	UJ	5	UJ	5	UJ	**1.3**	J
Copper (Dissolved)	7440-50-8	ug/L	--	**1.8**	J	10	U	10	U	**1.6**	J	10	U	10	U	10	U	**36.5**	--	10	U	10	U	**1.6**	J
Copper (Total)	7440-50-8	ug/L	1300	**1.6**	J	10	U	**1.7**	J	**1.9**	J	10	U	10	U	10	U	**40.4**	--	10.9	U	10	U	**2.9**	J
Iron (Dissolved)	7439-89-6	ug/L	--	**51800**	--	125	U	125	U	**27200**	--	125	U	125	U	**118**	J	**49.2**	J	**6560**	--	125	U	**12800**	J
Iron (Total)	7439-89-6	ug/L	--	**51300**	--	**524**	--	**642**	--	**24800**	--	**392**	--	**1420**	--	125	U	**74.3**	J	**7580**	--	**155**	--	**13000**	J
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	UJ	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**7630**	--	**37.1**	--	**36.7**	--	**3220**	--	**36.1**	--	**217**	--	**13.3**	--	8	U	**2930**	--	**44.4**	--	**3020**	--
Manganese (Total)	7439-96-5	ug/L	500	**7680**	--	**50.1**	--	**56.3**	--	**2990**	--	**49**	--	**271**	--	**9.4**	--	**0.96**	J	**2960**	--	**49.9**	--	**3080**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	UJ	5	UJ	5	U	5	U	5	UJ	5	UJ	5	UJ	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	UJ	5	UJ	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	**5.9**	J	**4.5**	J	**4.2**	J	**2.5**	J	5	UJ	**2.4**	J	**4.2**	J	**29.8**	--	**1.5**	J	5	UJ	**2.3**	J
Vanadium (Total)	7440-62-2	ug/L	50	**6.7**	J	**5.2**	--	**5.4**	--	**2.9**	J	**1.4**	J	**6.8**	--	**3.7**	J	**30**	--	**4.3**	J	**1.2**	J	**3.9**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	**6.2**	J	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	25	U	**7.8**	J	25	U	25	U	**6.5**	J	25	U	25	U	**9.7**	J	25	U	25	U

Notes:
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Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location				MW-907M		MW-908D		MW-909D		MW-910S		MWL-303		MWL-304		MWL-307		MWL-309		MWL-312		MWL-313		P-3A	
Sample Date				5/19/2010		5/20/2010		5/20/2010		6/7/2010		5/20/2010		5/24/2010		5/24/2010		5/20/2010		5/20/2010		5/14/2010		5/26/2010	
Field Sample ID				MW-907M-05192010		MW-908D-05202010		MW-909D-05202010		MW-910S-06072010		MWL-303-05202010		MWL-304-05242010		MWL-307-05242010		MWL-309-05202010		MWL-312-05202010		MWL-313-05142010		P-3A-05262010	
Well Group				R		C		C		C		C		N		N		R		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	U	250	U	250	U	250	U	250	UJ	250	U	**1530**	--	250	U	**13.9**	J	250	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**817**	--	**724**	--	**1410**	--	250	U	**1940**	--	250	U	**217**	J	**23400**	--	250	U	**332**	J	**80.6**	J
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	UJ	15	UJ	15	U	15	UJ	15	U	15	U	15	U	15	UJ	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	UJ	15	UJ	15	U	15	UJ	15	U	15	U	15	U	15	UJ	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	**4.5**	J	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	**10.2**	J	15	UJ	15	UJ	15	UJ	15	UJ	15	U	15	U	**5.1**	J	15	UJ	15	U	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**1780**	--	**587**	--	**314**	--	**114**	--	**71.7**	--	**383**	--	**392**	--	**557**	--	**21.8**	--	**111**	--	**545**	--
Barium (Total)	7440-39-3	ug/L	1000	**1800**	--	**616**	--	**345**	--	**116**	--	**91.7**	--	**377**	--	**393**	--	**836**	--	**22.1**	--	**118**	--	**561**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.5**	J	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	**7.9**	--	5	U	5	U	5	U	**0.64**	J
Chromium (Total)	7440-47-3	ug/L	100	5	U	5	U	**3.1**	J	5	U	**3.2**	J	5	U	**8.8**	--	**38.3**	--	5	U	5	U	**0.63**	J
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	UJ	5	U	5	U	5	UJ	5	U	5	U	**5.8**	--	**1.1**	J	5	U	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	**1.2**	J	5	U	5	U	5	UJ	5	U	5	U	**6.1**	--	**17.7**	--	5	U	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	**3.7**	J	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	10	U	10	U	**3.1**	J	**49.9**	--	10	U	10	U	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	**12700**	--	**2800**	--	**2190**	--	125	U	**92.8**	J	**14100**	--	**25400**	--	**6000**	J	125	U	125	U	**1490**	--
Iron (Total)	7439-89-6	ug/L	--	**13500**	--	**3800**	--	**3500**	--	**71.2**	J	**3140**	--	**14100**	--	**25400**	--	**35100**	J	125	U	**435**	--	**1860**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**2990**	--	**1390**	--	**1700**	--	**44.5**	--	**56.2**	--	**3160**	--	**5130**	--	**3490**	--	**2.8**	J	**1.8**	J	**2450**	--
Manganese (Total)	7439-96-5	ug/L	500	**3080**	--	**1450**	--	**1740**	--	**50.2**	--	**106**	--	**3070**	--	**4990**	--	**4340**	--	**3.2**	J	**12.1**	--	**2500**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	UJ	5	UJ	5	UJ	5	U	5	UJ	5	U	5	U	5	UJ	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	U	5	U	5	U	**3.9**	J	5	UJ	5	U	**38**	--	5	UJ	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	**0.25**	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	UJ
Vanadium (Dissolved)	7440-62-2	ug/L	--	**1.8**	J	**1.2**	J	**1.2**	J	**1.1**	J	**1.1**	J	**1.3**	J	**6.5**	J	**7.5**	J	5	UJ	5	UJ	5	UJ
Vanadium (Total)	7440-62-2	ug/L	50	**3.9**	J	**3.7**	J	**4.8**	J	**1.4**	J	**6**	J	**1.7**	J	**7.6**	J	**73.1**	--	5	UJ	5	UJ	**1.1**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	**9.8**	J	25	U	25	U	**8**	J	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	25	U	**6.1**	J	25	U	**14.8**	J	25	U	25	U	**95.3**	--	25	U	25	U	25	U

Notes:
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TAL = Target Analyte List
ug/L = micrograms per liter

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

			Sample Location	P-3B		P-5B		P-6		P-11A		P-11B		P-12		P-13		P-101A		P-101A		P-101B		P-101C	
			Sample Date	5/18/2010		5/21/2010		5/20/2010		5/13/2010		5/17/2010		5/25/2010		5/12/2010		5/17/2010		5/17/2010		5/13/2010		5/13/2010	
			Field Sample ID	P-3B-05182010		P-5B-05212010		P-6-05202010		P-11A-05132010		P-11B-05172010		P-12-05252010		P-13-05122010		DUP-GW-05172010-#1		P-101A-05172010		P-101B-05132010		P-101C-05132010	
			Well Group	C		C		C		R		C		M		R		C		C		R		R	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	250	UJ	250	U	250	U	500	UJ	250	UJ	**84.9**	J	500	UJ	250	UJ	250	UJ	500	UJ	500	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**1340**	--	**1660**	--	**238**	J	**831**	--	**67.7**	J	**3470**	--	**208**	J	**2900**	--	**1120**	--	**38.2**	J	**1750**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	U	**5.7**	J	15	UJ	15	UJ	**4.8**	J	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Arsenic (Total)	7440-38-2	ug/L	10	**4.5**	J	**13.3**	J	**6.6**	J	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Barium (Dissolved)	7440-39-3	ug/L	--	**574**	--	**328**	--	**1730**	--	**488**	--	**762**	--	**149**	--	**99.2**	--	**333**	--	**341**	--	**1020**	--	**530**	--
Barium (Total)	7440-39-3	ug/L	1000	**597**	--	**407**	--	**1780**	--	**509**	--	**752**	--	**195**	--	**103**	--	**400**	--	**365**	--	**1020**	--	**554**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**0.26**	J	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Total)	7440-47-3	ug/L	100	5	U	**3.4**	J	5	U	**1**	J	5	U	**5.1**	--	**0.59**	J	**7.2**	--	5	U	5	U	**2.7**	J
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	UJ	5	U	5	U	5	U	5	UJ	5	U	5	U	5	UJ	5	UJ	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	5	UJ	5	U	5	U	5	U	5	UJ	5	U	5	U	**1.2**	J	5	UJ	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	10	U	10	U	10	U	**5.2**	J	10	U	17.3	U	10	U	10	U	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	**356**	--	**20300**	--	**14300**	--	**1190**	--	**616**	--	**122**	J	125	U	**269**	--	**271**	--	**1650**	--	**60.3**	J
Iron (Total)	7439-89-6	ug/L	--	**1960**	--	**28500**	--	**15200**	--	**1940**	--	**793**	--	**4330**	--	**256**	--	**3910**	--	**1420**	--	**1760**	--	**2070**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U
Lead (Total)	7439-92-1	ug/L	15	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	U	**6**	J	15	UJ	15	U	15	U
Manganese (Dissolved)	7439-96-5	ug/L	--	**1310**	--	**1860**	--	**5790**	--	**1500**	--	**2650**	--	**6.2**	J	**0.33**	J	**486**	--	**502**	--	**1090**	--	**1340**	--
Manganese (Total)	7439-96-5	ug/L	500	**1340**	--	**1950**	--	**5900**	--	**1530**	--	**2660**	--	**128**	--	**11.8**	--	**562**	--	**522**	--	**1090**	--	**1390**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	5	U	5	U	5	U	5	U	5	U	6.1	U	5	U	**5.2**	--	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	**0.56**	J	**0.63**	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	**0.47**	J	**0.45**	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	U	15	U	15	U	15	U	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	U	15	U	15	U	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	**1.1**	J	**1.1**	J	**3.7**	J	5	UJ	**1.8**	J	**1.4**	J	**1.2**	J	**1.1**	J	**1.5**	J	5	UJ	**1.6**	J
Vanadium (Total)	7440-62-2	ug/L	50	**4.9**	J	**6.6**	--	**4.8**	J	**1.9**	J	**1.7**	J	**11.1**	--	**1.6**	J	**11.5**	--	**3.7**	J	5	UJ	**5.8**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	**9**	J	**8.5**	J	25	U	25	U	25	U	25	U	25	U	**32**	--	**8.6**	J	25	U	**8.6**	J

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

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Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location				P-102A		P-102B		P-102C		PZO-2D		PZO-2M		PZO-3D		PZO-3M		PZO-4D		PZO-4M		PZO-204M		PZR-2DR	
Sample Date				5/17/2010		5/17/2010		5/18/2010		5/11/2010		5/11/2010		5/14/2010		5/13/2010		5/11/2010		5/12/2010		5/17/2010		5/11/2010	
Field Sample ID				P-102A-05172010		P-102B-05172010		P-102C-05182010		PZO-2D-05112010		PZO-2M-05112010		PZO-3D-05142010		PZO-3M-05132010		PZO-4D-05112010		PZO-4M-05122010		PZO-204M-05172010		PZR-2DR-05112010	
Well Group				C		C		C		R		R		C		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**																						
Metals (6010B)																									
Aluminum (Dissolved)	7429-90-5	ug/L	--	**31.6**	J	250	U	250	UJ	500	U	500	U	**433**	J	500	UJ	500	U	500	U	**146**	J	500	U
Aluminum (Total)	7429-90-5	ug/L	--	**3740**	--	**1340**	--	**13.4**	J	**102**	J	**52**	J	**10400**	--	**321**	J	**206**	J	**43.9**	J	**1710**	--	**1630**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	**5.8**	J	**4.2**	J	15	U	15	U	15	U	15	U	15	U	15	U	15	U	**5.7**	J	15	U
Arsenic (Total)	7440-38-2	ug/L	10	15	UJ	**5.1**	J	15	U	15	U	15	U	15	U	15	U	15	U	15	U	**9.5**	J	15	U
Barium (Dissolved)	7440-39-3	ug/L	--	**13.4**	--	**233**	--	**186**	--	**229**	--	**311**	--	**102**	--	**274**	--	**101**	--	**89.6**	--	**562**	--	**31.5**	--
Barium (Total)	7440-39-3	ug/L	1000	**32.1**	--	**255**	--	**188**	--	**235**	--	**315**	--	**302**	--	**280**	--	**107**	--	**91.1**	--	**589**	--	**75.4**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	**0.26**	J	5	U	5	U	5	U	5	U	**0.69**	J	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	**1.1**	J	5	U	5	U	5	U	**0.69**	J	5	U
Chromium (Total)	7440-47-3	ug/L	100	**4.8**	J	5	U	5	U	5	U	5	U	**19.8**	--	**0.77**	J	5	U	5	U	**3.2**	J	**2.4**	J
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	**2.5**	J	5	UJ	5	UJ	5	U	5	U	**7.8**	--	5	U	5	U	5	U	5	U	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	**5.7**	J	10	U	10	U	10	U	10	U	**16.1**	--	10	U	10	U	10	U	**4.9**	J	10	U
Iron (Dissolved)	7439-89-6	ug/L	--	125	U	125	U	**427**	--	125	U	125	U	**460**	--	125	U	125	U	125	U	**1290**	--	**30.8**	J
Iron (Total)	7439-89-6	ug/L	--	**3450**	--	**1550**	--	**903**	--	**122**	J	**72.5**	J	**10900**	--	**330**	--	**253**	--	125	U	**3410**	--	**1280**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ
Lead (Total)	7439-92-1	ug/L	15	15	UJ	15	UJ	15	U	15	UJ	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ
Manganese (Dissolved)	7439-96-5	ug/L	--	**17.1**	--	**29.5**	--	**110**	--	8	U	8	U	**20.8**	--	**0.29**	J	**4.1**	J	**0.33**	J	**2200**	--	**20**	--
Manganese (Total)	7439-96-5	ug/L	500	**88**	--	**69.4**	--	**116**	--	**4.2**	J	**4.1**	J	**555**	--	**9.2**	--	**15.3**	--	**4.8**	J	**2250**	--	**63.5**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Nickel (Total)	7440-02-0	ug/L	100	**6.7**	--	5	U	5	U	5	U	5	U	**17.8**	--	5	U	5	U	5	U	5	U	5	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	UJ	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U
Thallium (Total)	7440-28-0	ug/L	2	15	UJ	15	UJ	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ	15	U
Vanadium (Dissolved)	7440-62-2	ug/L	--	**19.9**	--	**13.5**	--	5	UJ	5	U	5	U	**14.4**	--	**12.5**	--	5	UJ	5	UJ	**1.9**	J	**3**	J
Vanadium (Total)	7440-62-2	ug/L	50	**34.4**	--	**17.2**	--	**1.1**	J	5	U	5	U	**41**	--	**13.6**	--	**1.1**	J	5	UJ	**6.4**	J	6.4	U
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	**19.7**	J	**6.9**	J	**5.5**	J	25	U	25	U	**43.8**	--	25	U	25	U	25	U	**8.6**	J	25	U

Notes:
U = Analyte not detected above the laboratory reporting limit
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

de maximis, inc. ARCADIS ddms, inc.

Table 5 – Groundwater Data Summary – TAL Metals
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location				PZR-2R		PZR-3R		PZR-4DR		PZR-4R		PZR-5R		SRS-1		SRS-3		TW-08A		TW-08B		TW-08D	
Sample Date				5/12/2010		5/12/2010		5/11/2010		5/11/2010		5/15/2010		5/18/2010		5/18/2010		5/25/2010		5/24/2010		5/24/2010	
Field Sample ID				PZR-2R-05122010		PZR-3R-05122010		PZR-4DR-05112010		PZR-4R-05112010		PZR-5R-05152010		SRS-1-05182010		SRS-3-05182010		TW-08A-05252010		TW-08B-05242010		TW-08D-05242010	
Well Group				R		C		C		C		C		C		C		N		N		N	
Analyte	**CAS No.**	**Unit**	**Standard**																				
Metals (6010B)																							
Aluminum (Dissolved)	7429-90-5	ug/L	--	500	U	500	UJ	500	U	500	U	**11.7**	J	**69.3**	J	250	UJ	250	UJ	250	UJ	250	UJ
Aluminum (Total)	7429-90-5	ug/L	--	**158**	J	**1450**	--	**143**	J	**290**	J	**358**	--	**1590**	--	**1340**	--	**192**	J	**1360**	--	**314**	--
Antimony (Dissolved)	7440-36-0	ug/L	--	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	UJ
Antimony (Total)	7440-36-0	ug/L	6	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Arsenic (Dissolved)	7440-38-2	ug/L	--	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	U	15	U	**7.3**	J
Arsenic (Total)	7440-38-2	ug/L	10	15	U	15	UJ	15	U	15	U	15	UJ	15	UJ	15	UJ	15	U	15	U	15	U
Barium (Dissolved)	7440-39-3	ug/L	--	**28**	--	**171**	--	**8.5**	--	**204**	--	**7.8**	--	**144**	--	**487**	--	**288**	--	**1330**	--	**1360**	--
Barium (Total)	7440-39-3	ug/L	1000	**29.9**	--	**195**	--	**11.3**	--	**204**	--	**11.9**	--	**169**	--	**509**	--	**290**	--	**1310**	--	**1340**	--
Beryllium (Dissolved)	7440-41-7	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Beryllium (Total)	7440-41-7	ug/L	4	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Dissolved)	7440-43-9	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cadmium (Total)	7440-43-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chromium (Dissolved)	7440-47-3	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**6.5**	--	**3.5**	J	**2.9**	J
Chromium (Total)	7440-47-3	ug/L	100	5	U	**3**	J	5	U	5	U	5	U	5	U	5	U	**10.3**	--	**7.8**	--	**12.1**	--
Cobalt (Dissolved)	7440-48-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	UJ	5	UJ	5	U	5	U	5	U
Cobalt (Total)	7440-48-4	ug/L	10	5	U	5	U	5	U	5	U	5	U	5	UJ	5	UJ	5	U	**3.1**	J	5	U
Copper (Dissolved)	7440-50-8	ug/L	--	10	U	10	U	**1.9**	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Copper (Total)	7440-50-8	ug/L	1300	10	U	10	U	**2.1**	J	10	U	10	U	10	U	10	U	10	U	10	U	**3.6**	J
Iron (Dissolved)	7439-89-6	ug/L	--	125	U	125	U	125	U	125	U	125	U	**110**	J	**163**	--	**15300**	--	**13100**	--	**24500**	--
Iron (Total)	7439-89-6	ug/L	--	**165**	--	**1390**	--	125	U	**260**	--	**324**	--	**1790**	--	**1580**	--	**15700**	--	**14100**	--	**24300**	--
Lead (Dissolved)	7439-92-1	ug/L	--	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Lead (Total)	7439-92-1	ug/L	15	15	UJ	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Manganese (Dissolved)	7439-96-5	ug/L	--	**18.7**	--	**0.35**	J	**25.3**	--	**1.7**	J	**13.2**	--	**39.7**	--	**1490**	--	**4060**	--	**11600**	--	**10000**	--
Manganese (Total)	7439-96-5	ug/L	500	**17.7**	--	**46.5**	--	**44.3**	--	**12.5**	--	**61**	--	**98**	--	**1550**	--	**4140**	--	**11400**	--	**9750**	--
Nickel (Dissolved)	7440-02-0	ug/L	--	**8.2**	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**8.7**	--	5	U
Nickel (Total)	7440-02-0	ug/L	100	**9.2**	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**10.5**	--	6	U
Silver (Dissolved)	7440-22-4	ug/L	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver (Total)	7440-22-4	ug/L	36	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Thallium (Dissolved)	7440-28-0	ug/L	--	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Thallium (Total)	7440-28-0	ug/L	2	15	U	15	U	15	U	15	U	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ	15	UJ
Vanadium (Dissolved)	7440-62-2	ug/L	--	**1.1**	J	**8.4**	J	5	UJ	**1.3**	J	**8.9**	J	5	UJ	5	UJ	**2**	J	**5.1**	--	**4.2**	J
Vanadium (Total)	7440-62-2	ug/L	50	**1.1**	J	**11.7**	--	5	UJ	5	U	**10.7**	--	**5.4**	J	**4.4**	J	**2.2**	J	**9.2**	--	**5.5**	J
Zinc (Dissolved)	7440-66-6	ug/L	--	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Zinc (Total)	7440-66-6	ug/L	5000	25	U	**10.2**	J	25	U	25	U	25	U	**6.1**	J	**6.2**	J	25	U	25	U	25	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
TAL = Target Analyte List
ug/L = micrograms per liter

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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				Sample Location	CPZ-1		CPZ-1R		CPZ-2A		CPZ-2R		CPZ-3		CPZ-3		CPZ-3R		CPZ-4A		CPZ-4R		CPZ-5		CPZ-5R	
				Sample Date	5/18/2010		5/20/2010		5/20/2010		5/18/2010		5/21/2010		5/21/2010		5/24/2010		5/19/2010		5/19/2010		5/24/2010		5/21/2010	
				Field Sample ID	CPZ-1-05182010		CPZ-1R-05202010		CPZ-2A-05202010		CPZ-2R-05182010		CPZ-3-05212010		DUP-GW-05212010-#1		CPZ-3R-05242010		CPZ-4A-05192010		CPZ-4R-05192010		CPZ-5-05242010		CPZ-5R-05212010	
				Well Group	C		C		C		C		C		C		C		R		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	U
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	U
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.54	U	0.55	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.52	U	0.53	U	0.54	U	0.5	UJ	0.54	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.54	U	0.55	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.52	U	0.53	U	0.54	U	0.5	UJ	0.54	U

				Sample Location	CPZ-6		CPZ-6A		CPZ-6R		CPZ-7		CPZ-7R		CPZ-8		CPZ-10		CPZ-10R		DN-3		MW-03		MW-03	
				Sample Date	5/24/2010		5/20/2010		5/19/2010		5/21/2010		5/25/2010		5/19/2010		5/18/2010		5/18/2010		5/18/2010		5/13/2010		8/31/2010	
				Field Sample ID	CPZ-6-05242010		CPZ-6A-05202010		CPZ-6R-05192010		CPZ-7-05212010		CPZ-7R-05252010		CPZ-8-05192010		CPZ-10-05182010		CPZ-10R-05182010		DN-3-05182010		MW-03-05132010		MW-03-08312010	
				Well Group	C		C		C		C		C		C		C		C		C		R		R	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R	--	R	1	UJ	1	UJ	--	--
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ	--	R	--	R	1	UJ	1	UJ	--	--
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R	--	R	1	UJ	1	UJ	--	--
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ	--	R	--	R	1	UJ	1	UJ	--	--
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.52	UJ	0.53	U	0.5	U	0.53	U	0.52	U	0.56	U	0.52	U	0.5	U	0.54	U	**0.49**	J	0.5	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.52	UJ	0.53	U	0.5	U	0.53	U	0.52	U	0.56	U	0.52	U	0.5	U	0.54	U	**0.13**	J	0.5	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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Sample Location					MW-05		MW-121A		MW-121B		MW-121C		MW-121M		MW-124C		MW-125C		MW-127B		MW-127C		MW-128		MW-204A	
Sample Date					5/19/2010		5/18/2010		5/19/2010		5/17/2010		5/17/2010		5/13/2010		5/19/2010		5/19/2010		5/13/2010		5/19/2010		5/15/2010	
Field Sample ID					MW-05-05192010		MW-121A-05182010		MW-121B-05192010		MW-121C-05172010		MW-121M-05172010		MW-124C-05132010		MW-125C-05192010		MW-127B-05192010		MW-127C-05132010		MW-128-05192010		MW-204A-05152010	
Well Group					C		C		R		R		R		R		C		C		R		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	**3.6**	J	1	UJ	--	R	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	28	UJ	1	UJ	--	R	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	**2.1**	J	1	UJ	--	R	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.54	UJ	0.52	U	0.52	U	0.5	U	0.52	U	0.5	U	0.52	U	0.57	U	0.55	U	0.52	U	0.53	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.54	UJ	0.52	U	0.52	U	0.5	U	0.52	U	0.5	U	0.52	U	0.57	U	0.55	U	0.52	U	0.53	U

Sample Location					MW-204B		MW-205B		MW-413		MW-415		MW-415		MW-416		MW-501A		MW-501B		MW-501C		MW-502		MW-703D	
Sample Date					5/17/2010		5/14/2010		6/29/2010		5/25/2010		5/25/2010		5/25/2010		5/21/2010		5/24/2010		5/21/2010		5/20/2010		5/12/2010	
Field Sample ID					MW-204B-05172010		MW-205B-05142010		MW-413-06292010		DUP-GW-05252010-#1		MW-415-05252010		MW-416-05252010		MW-501A-05212010		MW-501B-05242010		MW-501C-05212010		MW-502-05202010		MW-703D-05122010	
Well Group					C		C		N		N		N		N		C		C		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	26	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.53	U	0.54	U	0.5	U	0.54	U	0.52	U	0.52	U	0.54	U	0.52	UJ	0.53	U	0.5	UJ	0.56	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.53	U	0.54	U	0.5	U	0.54	U	0.52	U	0.52	U	0.54	U	0.52	UJ	0.53	U	0.5	UJ	0.56	U

Notes:
U = Analyte not detected above the laboratory reporting limit
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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				Sample Location	MW-703DR		MW-703S		MW-704D		MW-704D		MW-704DR		MW-704M		MW-704R		MW-704S		MW-705D		MW-705DR		MW-705R	
				Sample Date	5/12/2010		5/11/2010		5/12/2010		5/12/2010		5/19/2010		5/14/2010		5/12/2010		5/13/2010		5/17/2010		6/7/2010		5/14/2010	
				Field Sample ID	MW-703DR-05122010		MW-703S-05112010		DUP-GW-05122010-#1		MW-704D-05122010		MW-704DR-05192010		MW-704M-05142010		MW-704R-05122010		MW-704S-05132010		MW-705D-05172010		MW-705DR-06072010		DUP-GW-05142010-#1	
				Well Group	C		C		R		R		R		R		C		C		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	**11**	J	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	**6.4**	J	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.56	U	0.56	U	0.52	U	0.5	U	0.54	U	0.62	U	0.52	U	0.56	U	0.53	U	**16**	J	0.53	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.56	U	0.56	U	0.52	U	0.5	U	0.54	U	0.62	U	0.52	U	0.56	U	0.53	U	**5.9**	--	0.53	U

				Sample Location	MW-705R		MW-706DR		MW-707D		MW-707DR		MW-707M		MW-707R		MW-707S		MW-709DR		MW-709R		MW-710DR		MW-710R	
				Sample Date	5/14/2010		5/18/2010		5/13/2010		5/13/2010		5/12/2010		5/14/2010		5/12/2010		5/15/2010		5/17/2010		5/13/2010		5/13/2010	
				Field Sample ID	MW-705R-05142010		MW-706DR-05182010		MW-707D-05132010		MW-707DR-05132010		MW-707M-05122010		MW-707R-05142010		MW-707S-05122010		MW-709DR-05152010		MW-709R-05172010		MW-710DR-05132010		MW-710R-05132010	
				Well Group	C		R		C		R		C		C		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.54	U	0.56	U	0.52	U	0.5	U	0.55	U	0.56	U	0.56	U	0.55	U	0.54	U	0.54	U	0.54	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.54	U	0.56	U	0.52	U	0.5	U	0.55	U	0.56	U	0.56	U	0.55	U	0.54	U	0.54	U	0.54	U

Notes:
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Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location					MW-902D		MW-902M		MW-902M		MW-903D		MW-903M		MW-903R		MW-903S		MW-904D		MW-904D		MW-904S		MW-905M	
Sample Date					5/24/2010		5/24/2010		5/24/2010		5/25/2010		5/25/2010		6/8/2010		5/25/2010		6/7/2010		6/7/2010		5/26/2010		5/14/2010	
Field Sample ID					MW-902D-05242010		DUP-GW-05242010-#1		MW-902M-05242010		MW-903D-05252010		MW-903M-05252010		MW-903R-06082010		MW-903S-05252010		DUP-GW-06072010-#1		MW-904D-06072010		MW-904S-05262010		MW-905M-05142010	
Well Group					N		N		N		C		C		C		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.5	U	0.54	U	0.52	U	0.5	U	0.53	U	0.52	U	0.54	U	0.53	U	0.54	U	0.5	U	0.56	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.5	U	0.54	U	0.52	U	0.5	U	0.53	U	0.52	U	0.54	U	0.53	U	0.54	U	0.5	U	0.56	U

Sample Location					MW-906D		MW-906M		MW-906R		MW-907D		MW-907DR		MW-907M		MW-907M		MW-908D		MW-909D		MW-910S		MWL-303	
Sample Date					6/7/2010		5/21/2010		6/8/2010		5/18/2010		5/18/2010		5/19/2010		5/19/2010		5/20/2010		5/20/2010		6/7/2010		5/20/2010	
Field Sample ID					MW-906D-06072010		MW-906M-05212010		MW-906R-06082010		MW-907D-05182010		MW-907DR-05182010		DUP-GW-05192010-#1		MW-907M-05192010		MW-908D-05202010		MW-909D-05202010		MW-910S-06072010		MWL-303-05202010	
Well Group					C		C		C		R		R		R		R		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.53	U	0.52	U	0.55	U	0.5	U	0.5	U	0.52	UJ	0.52	U	0.53	U	0.5	U	0.5	U	0.54	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.53	U	0.52	U	0.55	U	0.5	U	0.5	U	0.52	UJ	0.52	U	0.53	U	**0.47**	J	0.5	U	0.54	U

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location					MWL-304		MWL-307		MWL-309		MWL-312		MWL-313		P-3A		P-3B		P-5B		P-6		P-11A		P-11B	
Sample Date					5/24/2010		5/24/2010		5/20/2010		5/20/2010		5/14/2010		5/26/2010		5/18/2010		5/21/2010		5/20/2010		5/13/2010		5/17/2010	
Field Sample ID					MWL-304-05242010		MWL-307-05242010		MWL-309-05202010		MWL-312-05202010		MWL-313-05142010		P-3A-05262010		P-3B-05182010		P-5B-05212010		P-6-05202010		P-11A-05132010		P-11B-05172010	
Well Group					N		N		R		C		C		C		C		C		C		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	U	1	UJ	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.52	U	0.53	UJ	0.5	U	0.55	U	0.55	U	0.5	U	0.53	U	0.52	U	0.52	U	0.55	U	0.56	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.52	U	0.53	UJ	0.5	U	0.55	U	0.55	U	0.5	U	0.53	U	0.52	U	0.52	U	0.55	U	0.56	U

Sample Location					P-13		P-101A		P-101A		P-101B		P-101C		P-102A		P-102B		P-102C		PZO-2D		PZO-2M		PZO-3D	
Sample Date					5/12/2010		5/17/2010		5/17/2010		5/13/2010		5/13/2010		5/17/2010		5/17/2010		5/18/2010		5/11/2010		5/11/2010		5/14/2010	
Field Sample ID					P-13-05122010		DUP-GW-05172010-#1		P-101A-05172010		P-101B-05132010		P-101C-05132010		P-102A-05172010		P-102B-05172010		P-102C-05182010		PZO-2D-05112010		PZO-2M-05112010		PZO-3D-05142010	
Well Group					R		C		C		R		R		C		C		C		R		R		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.52	U	0.55	UJ	0.52	U	0.57	U	0.52	UJ	0.57	UJ	0.55	UJ	0.57	U	0.54	U	0.54	U	0.54	UJ
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.52	U	0.55	UJ	0.52	U	0.57	U	0.52	UJ	0.57	UJ	0.55	UJ	0.57	U	0.54	U	0.54	U	0.54	U

Notes:
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 6 – Groundwater Data Summary – Alcohols/PCBs
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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				Sample Location	PZO-3M		PZO-4D		PZO-4M		PZO-204M		PZR-2DR		PZR-2R		PZR-3R		PZR-4DR		PZR-4R		PZR-5R		SRS-1	
				Sample Date	5/13/2010		5/11/2010		5/12/2010		5/17/2010		5/11/2010		5/12/2010		5/12/2010		5/11/2010		5/11/2010		5/15/2010		5/18/2010	
				Field Sample ID	PZO-3M-05132010		PZO-4D-05112010		PZO-4M-05122010		PZO-204M-05172010		PZR-2DR-05112010		PZR-2R-05122010		PZR-3R-05122010		PZR-4DR-05112010		PZR-4R-05112010		PZR-5R-05152010		SRS-1-05182010	
				Well Group	C		C		C		C		C		R		C		C		C		C		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**																						
Alcohols (8015B)																										
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	R
PCBs (8082)																										
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.57	U	0.5	U	0.52	U	0.54	U	0.56	U	0.57	U	0.53	U	0.53	U	0.54	U	0.57	U	0.53	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.57	U	0.5	U	0.52	U	0.54	U	0.56	U	0.57	U	0.53	U	0.53	U	0.54	U	0.57	U	0.53	U

				Sample Location	SRS-3		TW-08A		TW-08B		TW-08D	
				Sample Date	5/18/2010		5/25/2010		5/24/2010		5/24/2010	
				Field Sample ID	SRS-3-05182010		TW-08A-05252010		TW-08B-05242010		TW-08D-05242010	
				Well Group	C		N		N		N	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**								
Alcohols (8015B)												
Ethanol	64-17-5	mg/L	0.4	1	1	UJ	1	UJ	1	UJ	1	UJ
Isopropanol	67-63-0	mg/L	2.3	1	1	UJ	1	UJ	1	UJ	1	UJ
Methanol	67-56-1	mg/L	1	1	1	UJ	1	UJ	1	UJ	1	UJ
sec-Butanol	78-92-2	mg/L	0.1	1	1	UJ	1	UJ	1	UJ	1	UJ
PCBs (8082)												
PCB-1254	11097-69-1	ug/L	0.5	0.5	0.54	U	0.53	UJ	5	U	0.54	U
PCB-1260	11096-82-5	ug/L	0.5	0.5	0.54	U	0.53	UJ	5	U	0.54	U

Notes:
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R = Rejected, the reported result is unusable
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on Table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level
mg/L = milligrams per liter
ug/L = micrograms per liter
PCBs = polychlorinated biphenyls

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Table 7 – Groundwater Data Summary – MNA Parameters
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location			CPZ-4A		MW-03		MW-121B		MW-121C		MW-121M		MW-124C		MW-126B		MW-127C		MW-413		MW-415	
Sample Date			5/19/2010		5/13/2010		5/19/2010		5/17/2010		5/17/2010		5/13/2010		5/20/2010		5/13/2010		6/29/2010		5/25/2010	
Field Sample ID			CPZ-4A-05192010		MW-03-05132010		MW-121B-05192010		MW-121C-05172010		MW-121M-05172010		MW-124C-05132010		MW-126B-05202010		MW-127C-05132010		MW-413-06292010		DUP-GW-05252010-#1	
Well Group			R		R		R		R		R		R		M		R		N		N	
Analyte	**CAS No.**	**Unit**																				
MNA (Water)																						
Alkalinity	--	mg/L	**180**	--	**107**	--	**233**	--	**186**	--	**174**	--	**110**	--	**78.6**	--	**110**	--	**121**	--	**94.1**	--
Chloride	16887-00-6	mg/L	**11.1**	--	**13.1**	--	**65.5**	--	**54.9**	--	**64.5**	--	**11.5**	--	**114**	--	**19.8**	--	**74.4**	--	**62.3**	--
Nitrate as N	14797-55-8	mg/L	**0.11**	--	**0.13**	--	0.1	U	0.1	U	**0.054**	J	**1.1**	--	**0.43**	--	**1.6**	--	0.1	U	0.1	U
Nitrite as N	14797-65-0	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Sulfate	14808-79-8	mg/L	**11.4**	--	**9.4**	--	**0.69**	J	**12.8**	--	**1.4**	--	**31.2**	--	**13.8**	--	**16.2**	--	1	U	**0.55**	J
Sulfide	18496-25-8	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.01	U	0.04	U
Iron (Dissolved)	7439-89-6	ug/L	**11500**	--	125	U	**2920**	--	**2640**	--	**1370**	--	125	U	125	UJ	125	U	**30700**	--	**21700**	--
Manganese (Dissolved)	7439-96-5	ug/L	**2720**	--	**633**	--	**2720**	--	**2260**	--	**7680**	--	**3.5**	J	**55.7**	--	**0.77**	J	**6100**	--	**5020**	--
Total Organic Carbon - Quad	7440-44-0	mg/L	**2.9**	--	**0.28**	J	**3.2**	J	**2.1**	J	**3.1**	J	**0.28**	J	1	U	**0.47**	J	**38.5**	--	**38.1**	--
MNA (Water Gas)																						
Ethane	74-84-0	ug/L	**330**	--	**0.2**	--	**490**	--	**210**	--	**420**	--	**0.006**	J	**0.015**	J	**0.046**	--	**49**	--	**11**	--
Ethene	74-85-1	ug/L	**130**	--	**0.018**	J	**0.93**	--	**0.73**	--	**0.89**	--	**0.016**	J	**0.013**	J	**0.017**	J	**1000**	J	**180**	--
Methane	74-82-8	ug/L	**21000**	--	**2.6**	J	**18000**	--	**5500**	--	**14000**	--	**0.51**	J	**240**	J	**1.5**	J	**930**	--	**250**	J

Notes:
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mg/L = milligrams per liter
ug/L = micrograms per liter
MNA = monitored natural attenuation

Table 7 – Groundwater Data Summary – MNA Parameters
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

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	Sample Location	MW-415		MW-416		MW-502		MW-701DR		MW-704D		MW-704D		MW-704DR		MW-704M		MW-705DR		MW-706DR	
	Sample Date	5/25/2010		5/25/2010		5/20/2010		5/18/2010		5/12/2010		5/12/2010		5/19/2010		5/14/2010		6/7/2010		5/18/2010	
	Field Sample ID	MW-415-05252010		MW-416-05252010		MW-502-05202010		MW-701DR-05182010		DUP-GW-05122010-#1		MW-704D-05122010		MW-704DR-05192010		MW-704M-05142010		MW-705DR-06072010		MW-706DR-05182010	
	Well Group	N		N		R		M		R		R		R		R		R		R	
Analyte	**CAS No.**	**Unit**																			
MNA (Water)																					
Alkalinity	--	mg/L	**92.2**	--	**188**	--	**233**	--	**88.3**	--	**158**	--	**167**	--	**119**	--	**151**	--	**54.4**	--	**14**	--
Chloride	16887-00-6	mg/L	**59.8**	--	**28.1**	--	**62**	--	**8.1**	--	**28.8**	--	**30.4**	--	**61.4**	--	**22.9**	--	**44.9**	--	**13.8**	--
Nitrate as N	14797-55-8	mg/L	0.21	U	**0.26**	--	0.1	U	**0.48**	--	0.1	U	0.1	U	**0.06**	J	**0.068**	J	0.1	U	**0.048**	J
Nitrite as N	14797-65-0	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Sulfate	14808-79-8	mg/L	**0.36**	J	**28.7**	--	1	U	**52**	--	**3**	--	**3.1**	--	**110**	--	**3.8**	--	**138**	--	**821**	--
Sulfide	18496-25-8	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
Iron (Dissolved)	7439-89-6	ug/L	**21900**	--	**1300**	--	**4640**	J	125	U	**471**	--	**454**	--	**776**	J	125	U	125	U	125	U
Manganese (Dissolved)	7439-96-5	ug/L	**5030**	--	**949**	--	**1710**	--	**1.6**	J	**2540**	--	**2530**	--	**526**	--	**2550**	--	**6.8**	J	**30.5**	--
Total Organic Carbon - Quad	7440-44-0	mg/L	**35.9**	--	**6.8**	--	**3.2**	J	**0.25**	J	**0.78**	J	**2**	J	1	U	**2.3**	J	**31.6**	--	**0.24**	J
MNA (Water Gas)																					
Ethane	74-84-0	ug/L	**13**	--	**290**	--	**400**	--	**0.047**	--	**220**	--	**230**	--	**47**	--	**61**	--	**7**	--	**0.051**	--
Ethene	74-85-1	ug/L	**210**	--	**670**	J	**17**	--	0.025	U	**0.089**	--	**0.091**	--	**1.4**	--	**0.061**	--	**40**	--	**0.41**	--
Methane	74-82-8	ug/L	**300**	--	**1700**	--	**21000**	--	**15**	J	**6800**	--	**7300**	J	**1800**	--	**3300**	--	**270**	J	**2**	J

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ug/L = micrograms per liter
MNA = monitored natural attenuation

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Table 7 – Groundwater Data Summary – MNA Parameters
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location			MW-707DR		MW-901R		MW-902D		MW-902M		MW-902M		MW-907D		MW-907DR		MW-907M		MW-907M		MWL-304	
Sample Date			5/13/2010		5/20/2010		5/24/2010		5/24/2010		5/24/2010		5/18/2010		5/18/2010		5/19/2010		5/19/2010		5/24/2010	
Field Sample ID			MW-707DR-05132010		MW-901R-05202010		MW-902D-05242010		DUP-GW-05242010-#1		MW-902M-05242010		MW-907D-05182010		MW-907DR-05182010		DUP-GW-05192010-#1		MW-907M-05192010		MWL-304-05242010	
Well Group			R		M		N		N		N		R		R		R		R		N	
Analyte	**CAS No.**	**Unit**																				
MNA (Water)																						
Alkalinity	--	mg/L	**52.5**	--	**72**	--	**153**	--	**190**	--	**185**	--	**259**	--	**11.1**	--	**361**	--	**360**	--	**76.1**	--
Chloride	16887-00-6	mg/L	**183**	--	**12.8**	--	**83.7**	--	**14.9**	--	**15**	--	**105**	--	**123**	--	**173**	--	**177**	--	**16**	--
Nitrate as N	14797-55-8	mg/L	**0.24**	--	**0.96**	--	0.1	U	**0.038**	J	0.1	U	**0.036**	J	0.1	U	0.1	U	0.1	U	**0.03**	J
Nitrite as N	14797-65-0	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Sulfate	14808-79-8	mg/L	**154**	--	**7.8**	--	**0.55**	J	**0.42**	J	1	U	**3.7**	--	**1390**	--	**0.44**	J	**0.78**	J	**3.2**	--
Sulfide	18496-25-8	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
Iron (Dissolved)	7439-89-6	ug/L	125	U	125	UJ	**40900**	--	**17600**	--	**17800**	--	**6560**	--	125	U	**12800**	J	**12700**	--	**14100**	--
Manganese (Dissolved)	7439-96-5	ug/L	**3.2**	J	**2.8**	J	**6680**	--	**3730**	--	**3750**	--	**2930**	--	**44.4**	--	**3020**	--	**2990**	--	**3160**	--
Total Organic Carbon - Quad	7440-44-0	mg/L	**0.3**	J	**0.31**	J	**47.3**	--	**5.6**	--	**4.8**	--	**6**	J	**0.23**	J	**11.2**	--	**11.1**	--	1	U
MNA (Water Gas)																						
Ethane	74-84-0	ug/L	**0.016**	J	**0.008**	J	**58**	--	**950**	J	**1100**	J	**560**	J	**0.028**	--	**460**	--	**490**	--	**33**	--
Ethene	74-85-1	ug/L	**0.045**	--	**0.042**	--	**1500**	J	**270**	--	**280**	--	**8.2**	--	**0.11**	--	**0.96**	--	**1.1**	--	**900**	J
Methane	74-82-8	ug/L	**0.24**	J	**0.098**	J	**950**	--	**9200**	--	**10000**	--	**20000**	--	**1.9**	J	**24000**	--	**26000**	--	**500**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Bold = Analyte detected above the laboratory reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
MNA = monitored natural attenuation

Table 7 – Groundwater Data Summary – MNA Parameters
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

DRAFT

Sample Location			MWL-307		MWL-309		P-11A		P-12		P-13		P-101B		P-101C		PZO-2D		PZO-2M		PZR-2R	
Sample Date			5/24/2010		5/20/2010		5/13/2010		5/25/2010		5/12/2010		5/13/2010		5/13/2010		5/11/2010		5/11/2010		5/12/2010	
Field Sample ID			MWL-307-05242010		MWL-309-05202010		P-11A-05132010		P-12-05252010		P-13-05122010		P-101B-05132010		P-101C-05132010		PZO-2D-05112010		PZO-2M-05112010		PZR-2R-05122010	
Well Group			N		R		R		M		R		R		R		R		R		R	
Analyte	**CAS No.**	**Unit**																				
MNA (Water)																						
Alkalinity	--	mg/L	**96.5**	--	**408**	--	**124**	--	**79.5**	--	**56**	--	**174**	--	**132**	--	**93.3**	--	**91.1**	--	**39.8**	--
Chloride	16887-00-6	mg/L	**69.2**	--	**202**	--	**28.5**	--	**35.5**	--	**11.5**	--	**33.8**	--	**24.1**	--	**29**	--	**13.4**	--	**161**	--
Nitrate as N	14797-55-8	mg/L	0.1	U	0.1	U	0.1	U	**0.19**	--	**0.46**	--	0.1	U	0.1	U	**1.2**	--	**1.1**	--	**0.044**	J
Nitrite as N	14797-65-0	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Sulfate	14808-79-8	mg/L	**0.62**	J	**2.7**	--	**19.1**	--	**5.7**	--	**7.3**	--	**6.3**	--	**10.7**	--	**15.9**	--	**10.4**	--	**212**	--
Sulfide	18496-25-8	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
Iron (Dissolved)	7439-89-6	ug/L	**25400**	--	**6000**	J	**1190**	--	**122**	J	125	U	**1650**	--	**60.3**	J	125	U	125	U	125	U
Manganese (Dissolved)	7439-96-5	ug/L	**5130**	--	**3490**	--	**1500**	--	**6.2**	J	**0.33**	J	**1090**	--	**1340**	--	8	U	8	U	**18.7**	--
Total Organic Carbon - Quad	7440-44-0	mg/L	**48.6**	--	**5.6**	J	**0.76**	J	**0.78**	J	**0.38**	J	**0.74**	J	**0.53**	J	1	U	1	U	1	U
MNA (Water Gas)																						
Ethane	74-84-0	ug/L	**39**	--	**96**	--	**160**	--	**0.012**	J	0.025	U	**450**	--	**290**	--	**0.01**	J	0.025	U	**0.44**	--
Ethene	74-85-1	ug/L	**450**	--	**0.86**	--	**27**	--	**0.029**	--	**0.014**	J	**35**	--	**40**	--	**0.016**	J	**0.019**	J	**0.086**	--
Methane	74-82-8	ug/L	**860**	--	**2700**	--	**2900**	--	**0.15**	J	**0.032**	J	**7700**	--	**2300**	--	**0.094**	J	**0.085**	J	**27**	J

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Bold = Analyte detected above the laboratory reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
MNA = monitored natural attenuation

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Table 7 – Groundwater Data Summary – MNA Parameters
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
May-June 2010

Sample Location			TW-08A		TW-08B		TW-08D	
Sample Date			5/25/2010		5/24/2010		5/24/2010	
Field Sample ID			TW-08A-05252010		TW-08B-05242010		TW-08D-05242010	
Well Group			N		N		N	
Analyte	**CAS No.**	**Unit**						
MNA (Water)								
Alkalinity	--	mg/L	**107**	--	**207**	--	**181**	--
Chloride	16887-00-6	mg/L	**31.4**	--	**181**	--	**117**	--
Nitrate as N	14797-55-8	mg/L	0.1	U	**0.04**	J	0.1	U
Nitrite as N	14797-65-0	mg/L	0.1	U	0.1	U	0.1	U
Sulfate	14808-79-8	mg/L	1	U	**7.5**	--	**0.55**	J
Sulfide	18496-25-8	mg/L	0.04	U	0.04	U	0.04	U
Iron (Dissolved)	7439-89-6	ug/L	**15300**	--	**13100**	--	**24500**	--
Manganese (Dissolved)	7439-96-5	ug/L	**4060**	--	**11600**	--	**10000**	--
Total Organic Carbon - Quad	7440-44-0	mg/L	**14.2**	--	**42.4**	--	**32.2**	--
MNA (Water Gas)								
Ethane	74-84-0	ug/L	**50**	--	**67**	--	**72**	--
Ethene	74-85-1	ug/L	**1200**	J	**2500**	J	**6500**	J
Methane	74-82-8	ug/L	**930**	--	**2300**	--	**1700**	--

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
Bold = Analyte detected above the laboratory reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
MNA = monitored natural attenuation

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Table 8 – Additional VOC Sampling
Solvents Recovery Service of New England, Inc. (SRSNE) Superfund Site
Southington, Connecticut
December 2010

Sample Location					PZ-903DR		PZ-907R		PZ-907R		PZR-5R	
Sample Date					12/2/2010		12/3/2010		12/3/2010		12/3/2010	
Field Sample ID					PZ-903DR-12022010		DUP-GW-12032010-#1		PZ-907R-12032010		PZR-5R-12032010	
Well Group					--		--		--		C	
Analyte	**CAS No.**	**Unit**	**Standard**	**ICL**								
VOCs (8260B)												
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1	0.5	25	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/L	200	0.5	**13**	J	0.5	U	0.5	U	**3.8**	--
1,1,2-Trichloroethane	79-00-5	ug/L	5	0.5	25	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/L	70	0.5	25	U	0.5	U	0.5	U	**8**	--
1,1-Dichloroethene	75-35-4	ug/L	7	0.5	**38**	--	0.5	U	0.5	U	**5.8**	--
1,2,4-Trichlorobenzene	120-82-1	ug/L	70	2	25	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	ug/L	600	0.5	25	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/L	1	0.5	25	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	106-46-7	ug/L	75	0.5	25	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/L	400	5	100	U	**0.72**	J	2	U	2	U
2-Hexanone	591-78-6	ug/L	140	5	100	U	2	U	2	U	2	U
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	350	5	**190**	--	2	U	2	U	2	U
Acetone	67-64-1	ug/L	700	5	100	U	3	U	3.3	U	2	U
Benzene	71-43-2	ug/L	1	0.5	25	U	0.5	U	**0.14**	J	0.5	U
Bromomethane	74-83-9	ug/L	9.8	0.5	50	UJ	1	UJ	1	UJ	1	UJ
Carbon disulfide	75-15-0	ug/L	700	0.5	**7.9**	J	**14**	--	**14**	--	**0.12**	J
Carbon tetrachloride	56-23-5	ug/L	5	0.5	25	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/L	100	0.5	25	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/L	12.1	0.5	50	U	1	U	1	U	1	U
Chloroform	67-66-3	ug/L	6	0.5	25	U	**0.13**	J	0.5	U	0.5	U
Chloromethane	74-87-3	ug/L	2.7	0.5	25	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	70	0.5	**220**	--	0.5	U	0.5	U	**3.7**	--
Ethylbenzene	100-41-4	ug/L	700	0.5	25	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	87-68-3	ug/L	0.45	0.45	25	U	0.5	U	0.5	U	0.5	U
Methylene Chloride	75-09-2	ug/L	5	0.5	170	U	2	U	2	U	2	U
Naphthalene	91-20-3	ug/L	280	0.5	25	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/L	100	0.5	25	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/L	5	0.5	**65**	--	0.5	U	0.5	U	**0.21**	J
Tetrahydrofuran	109-99-9	ug/L	4.6	0.5	100	U	2	U	2	U	2	U
Toluene	108-88-3	ug/L	1000	0.5	**96**	--	**0.54**	--	**0.52**	--	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	100	0.5	25	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.5	0.5	25	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/L	5	0.5	**3500**	--	**0.7**	--	**0.67**	--	**0.84**	--
Vinyl chloride	75-01-4	ug/L	2	0.5	25	U	0.5	U	0.5	U	0.5	U
Xylenes, Total	1330-20-7	ug/L	530	0.5	50	U	**0.45**	J	**0.47**	J	1	U
VOCs (8260C)												
1,4-Dioxane	123-91-1	ug/L	20	--	**12**	--	1.5	UJ	2	U	**1.4**	JN

Notes:
U = Analyte not detected above the laboratory reporting limit
J = Analyte result is estimated
N = Analyte is presumed to be present
Standard = GW-SRSNE Action Level (ARARs-Based Limits)
ICL = Interim Cleanup Level based on table L-1 from Record of Decision Summary, September 2005
Bold = Analyte detected above the laboratory reporting limit
Shaded Cell = Analyte detected above the Standard/Action Level

de maximis, inc. ARCADIS ddms, inc.

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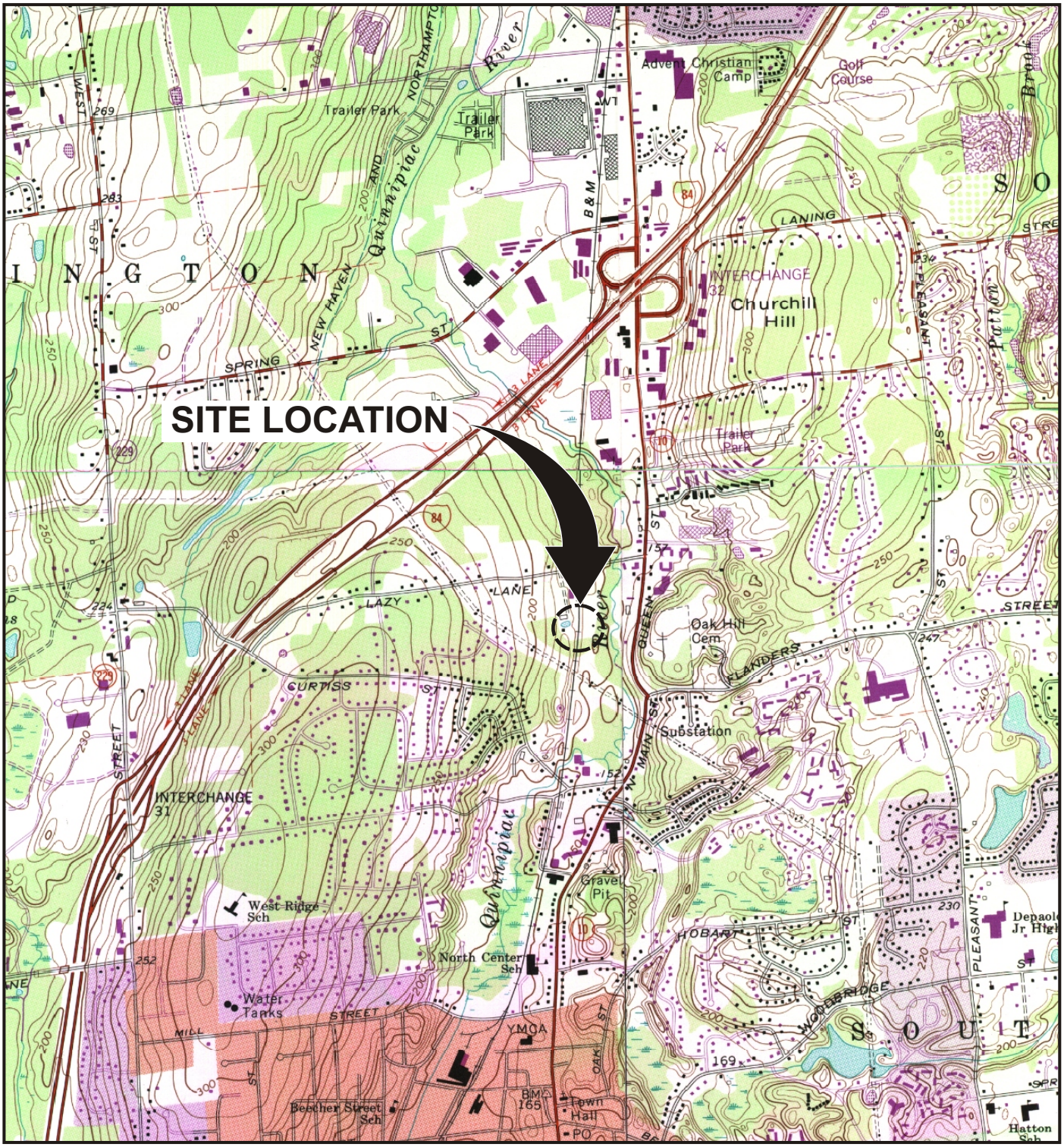
Figures



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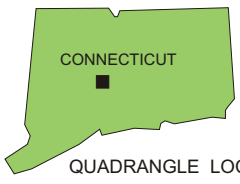
2000' 0 2000'

APPROX. SCALE: 1" = 2000'



QUADRANGLE LOCATION

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SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT

SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

SITE LOCATION MAP

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FIGURE
1

12/23/2010 SYRACUSE, NY-ENV/CAD DJHOWES
B0054634\0000\00500\CDR\54634N01.CDR

CITY: MANCHESTER, CT GROUP: ENVCAD DB: P. LISTER L.POSENAUER L. FORAKER B.SMALL PIC: G. CAMERON PM: J. HOLDEN TM: R.STEVENSON LYR: ON=*OFF=REF
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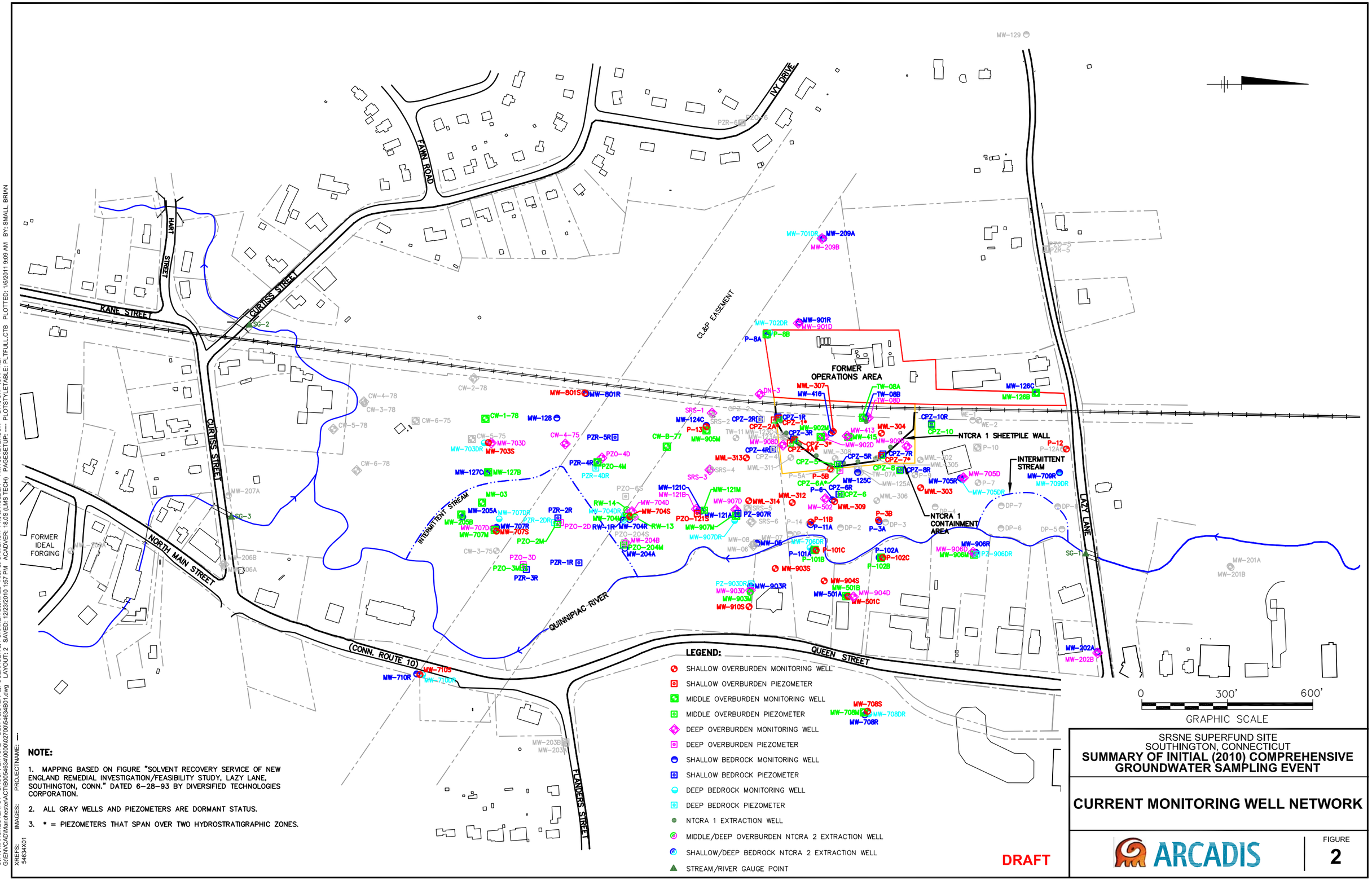

NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. ALL GRAY WELLS AND PIEZOMETERS ARE DORMANT STATUS.
3. * = PIEZOMETERS THAT SPAN OVER TWO HYDROSTRATIGRAPHIC ZONES.

LEGEND:

- SHALLOW OVERBURDEN MONITORING WELL
- SHALLOW OVERBURDEN PIEZOMETER
- MIDDLE OVERBURDEN MONITORING WELL
- MIDDLE OVERBURDEN PIEZOMETER
- DEEP OVERBURDEN MONITORING WELL
- DEEP OVERBURDEN PIEZOMETER
- SHALLOW BEDROCK MONITORING WELL
- SHALLOW BEDROCK PIEZOMETER
- DEEP BEDROCK MONITORING WELL
- DEEP BEDROCK PIEZOMETER
- NTCRA 1 EXTRACTION WELL
- MIDDLE/DEEP OVERBURDEN NTCRA 2 EXTRACTION WELL
- SHALLOW/DEEP BEDROCK NTCRA 2 EXTRACTION WELL
- STREAM/RIVER GAUGE POINT

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SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT

SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

CURRENT MONITORING WELL NETWORK

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FIGURE 2

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: J. HOLDEN TM/TR: M. GEFELL LYR: ON=*;OFF=REF, (FR2)
G:\ENVCAD\SYRACUSE\ACTIB005463400000026000DWG\54634W07.DWG LAYOUT: 3 SAVED: 1/5/2011 9:41 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:41 AM BY: LISTER, PAUL
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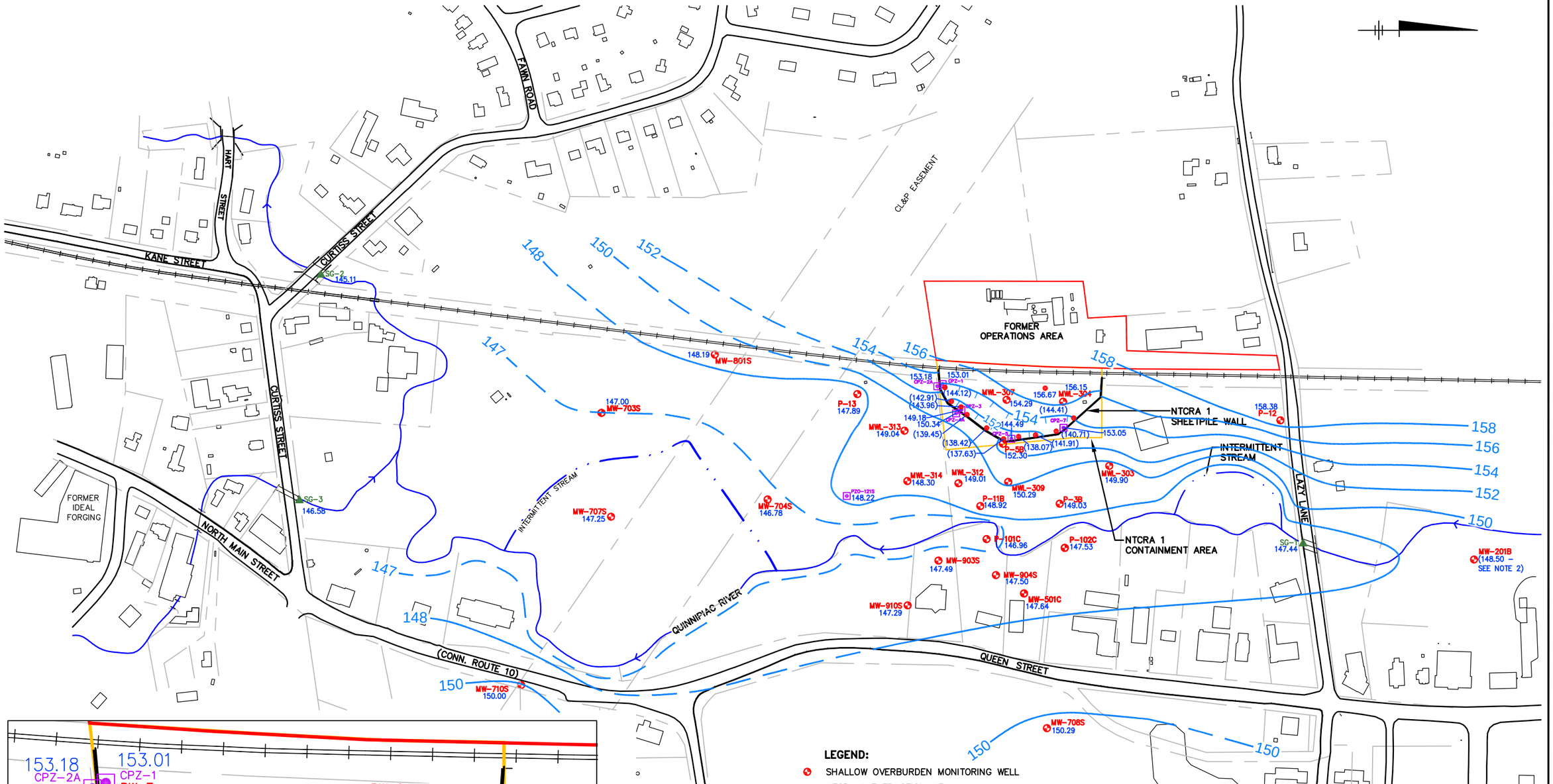

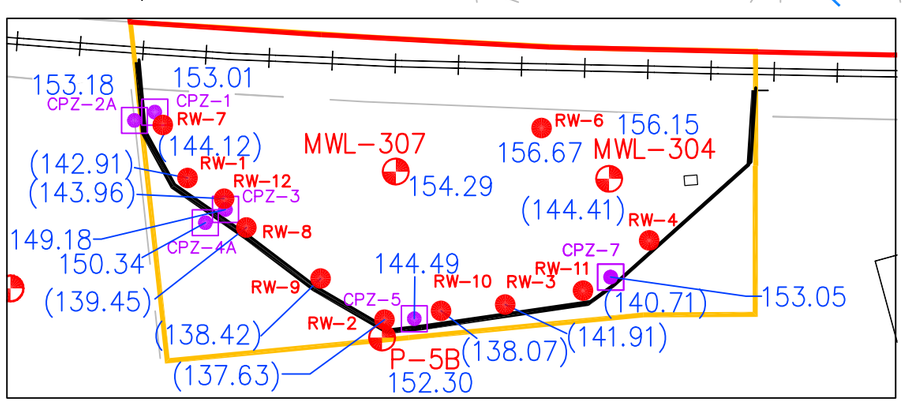

NTCRA 1 CONTAINMENT AREA
SCALE: 1" = 120'

LEGEND:

- SHALLOW OVERBURDEN MONITORING WELL
- NTCRA 1 EXTRACTION WELL
- PIEZOMETER
- STREAM/RIVER GAUGE POINT
- 150.29 HYDRAULIC HEAD VALUE
- 154 GROUNDWATER ELEVATION CONTOUR (FT–AMSL) CONTOUR INTERVAL = 2 FEET, UNLESS NOTED OTHERWISE

NOTES:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6–28–93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. GROUNDWATER ELEVATION AT MW–201B ESTIMATED BASED ON HISTORICAL MEASUREMENTS.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

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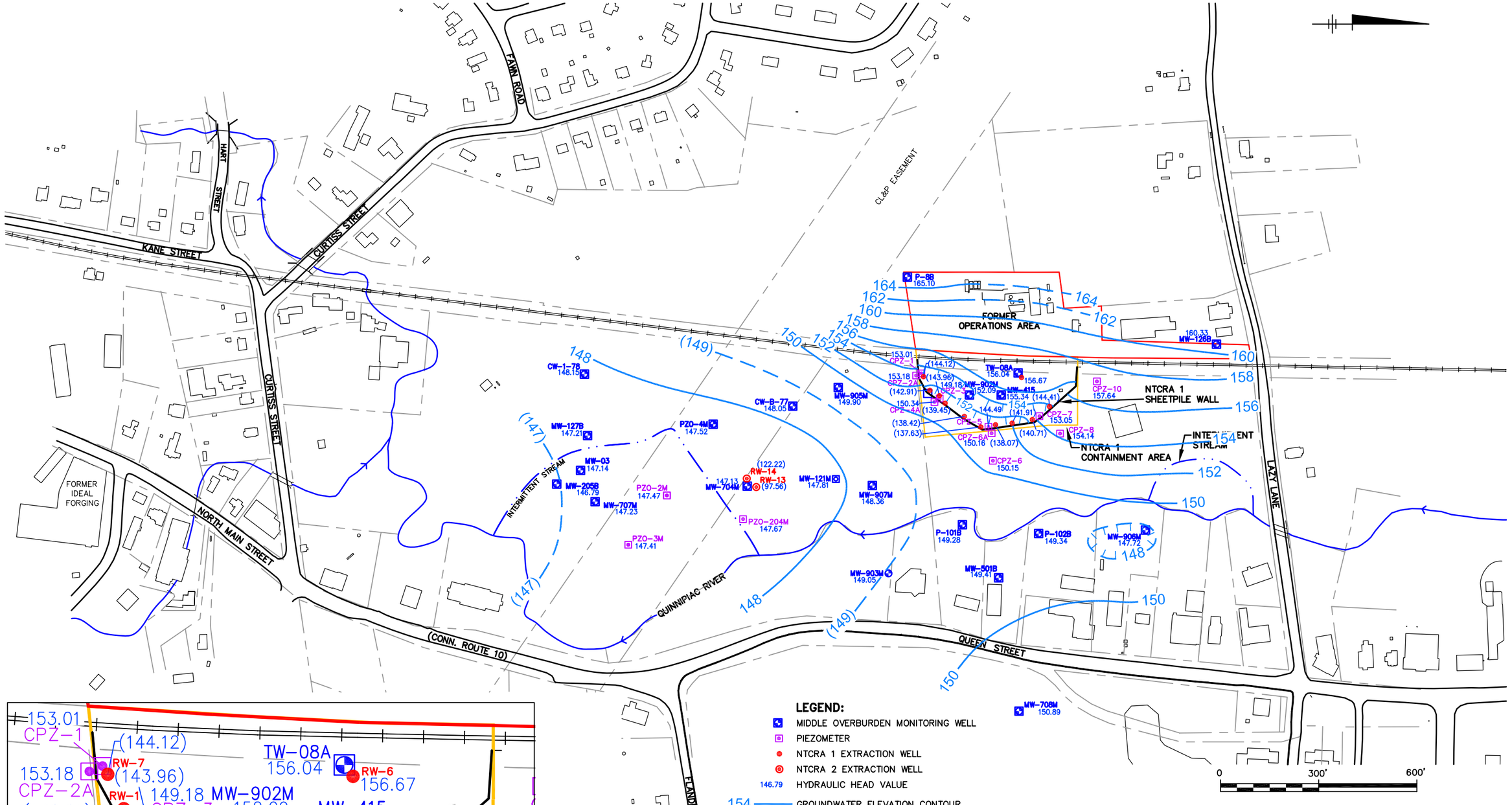
SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT

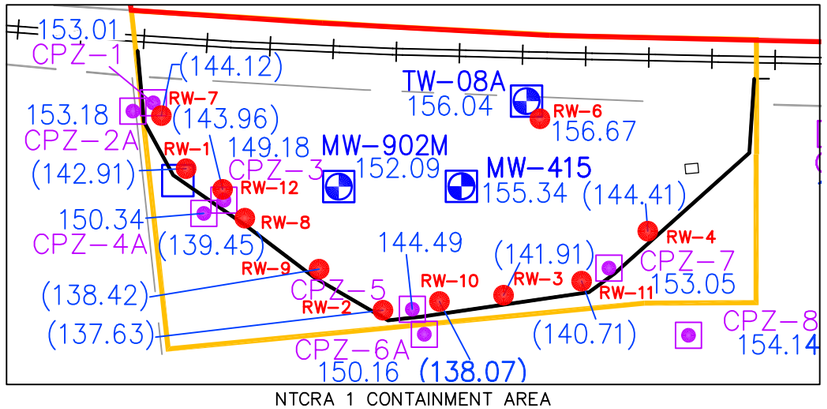
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

SHALLOW OVERBURDEN GROUNDWATER ELEVATION CONTOURS MAY 10-12, 2010

ARCADIS

FIGURE 3





NTCRA 1 CONTAINMENT AREA
SCALE: 1" = 120'

LEGEND:

- MIDDLE OVERBURDEN MONITORING WELL
- PIEZOMETER
- NTCRA 1 EXTRACTION WELL
- NTCRA 2 EXTRACTION WELL
- 146.79 HYDRAULIC HEAD VALUE
- 154 GROUNDWATER ELEVATION CONTOUR (FT-AMSL) CONTOUR INTERVAL = 2 FEET, UNLESS NOTED OTHERWISE (DASHED WHERE INFERRED)

NOTES:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

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SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

MIDDLE OVERBURDEN GROUNDWATER ELEVATION CONTOURS MAY 10-12, 2010

ARCADIS

FIGURE 4

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: J. HOLDEN TM/TR: M. GEFELL LYR: ON=*;OFF=REF*:(FRZ)
G:\ENV\CAD\SYRACUSE\ACT\B0054634\0000\02600\DWG\54634W08.DWG LAYOUT: 4 SAVED: 12/16/2010 11:46 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:47 AM BY: LISTER, PAUL
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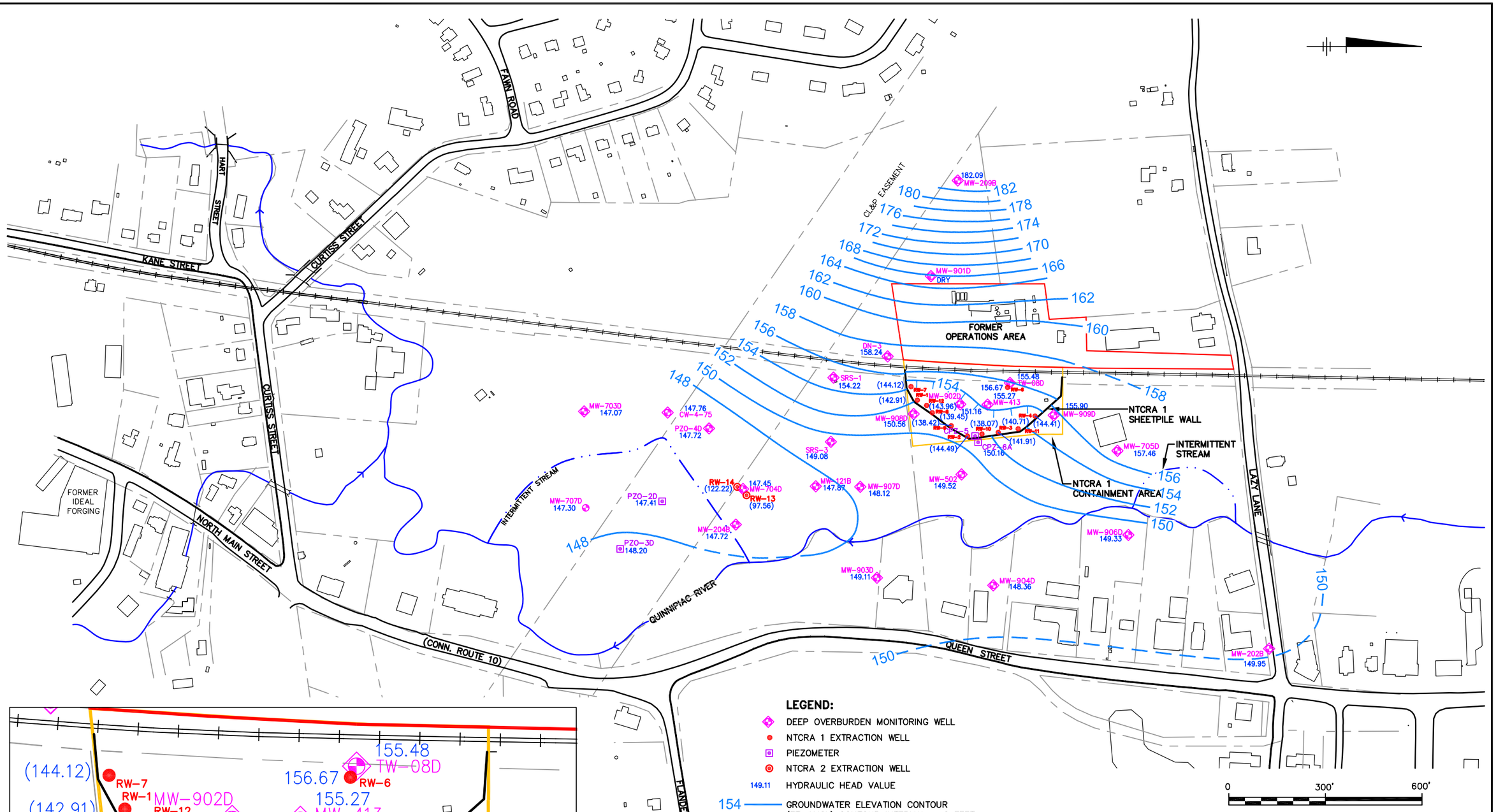

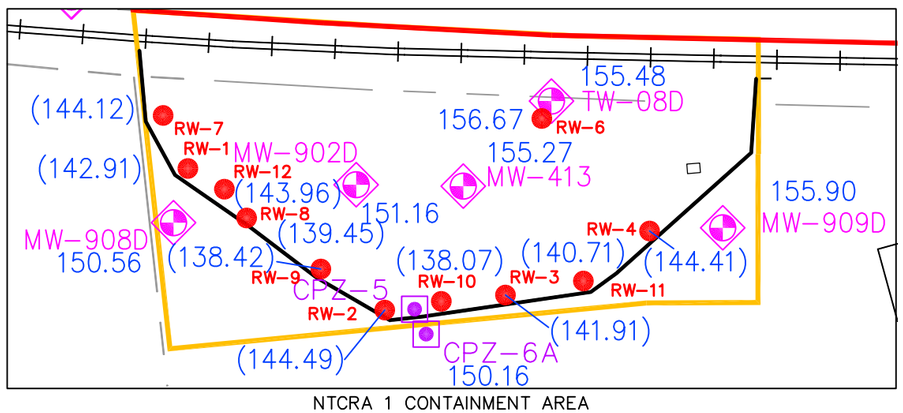

NTCRA 1 CONTAINMENT AREA
SCALE: 1" = 120'

LEGEND:

- DEEP OVERBURDEN MONITORING WELL
- NTCRA 1 EXTRACTION WELL
- PIEZOMETER
- NTCRA 2 EXTRACTION WELL
- 149.11 HYDRAULIC HEAD VALUE
- 154 GROUNDWATER ELEVATION CONTOUR (FT-AMSL) CONTOUR INTERVAL = 2 FEET, UNLESS NOTED OTHERWISE (DASHED WHERE INFERRED)

NOTES:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

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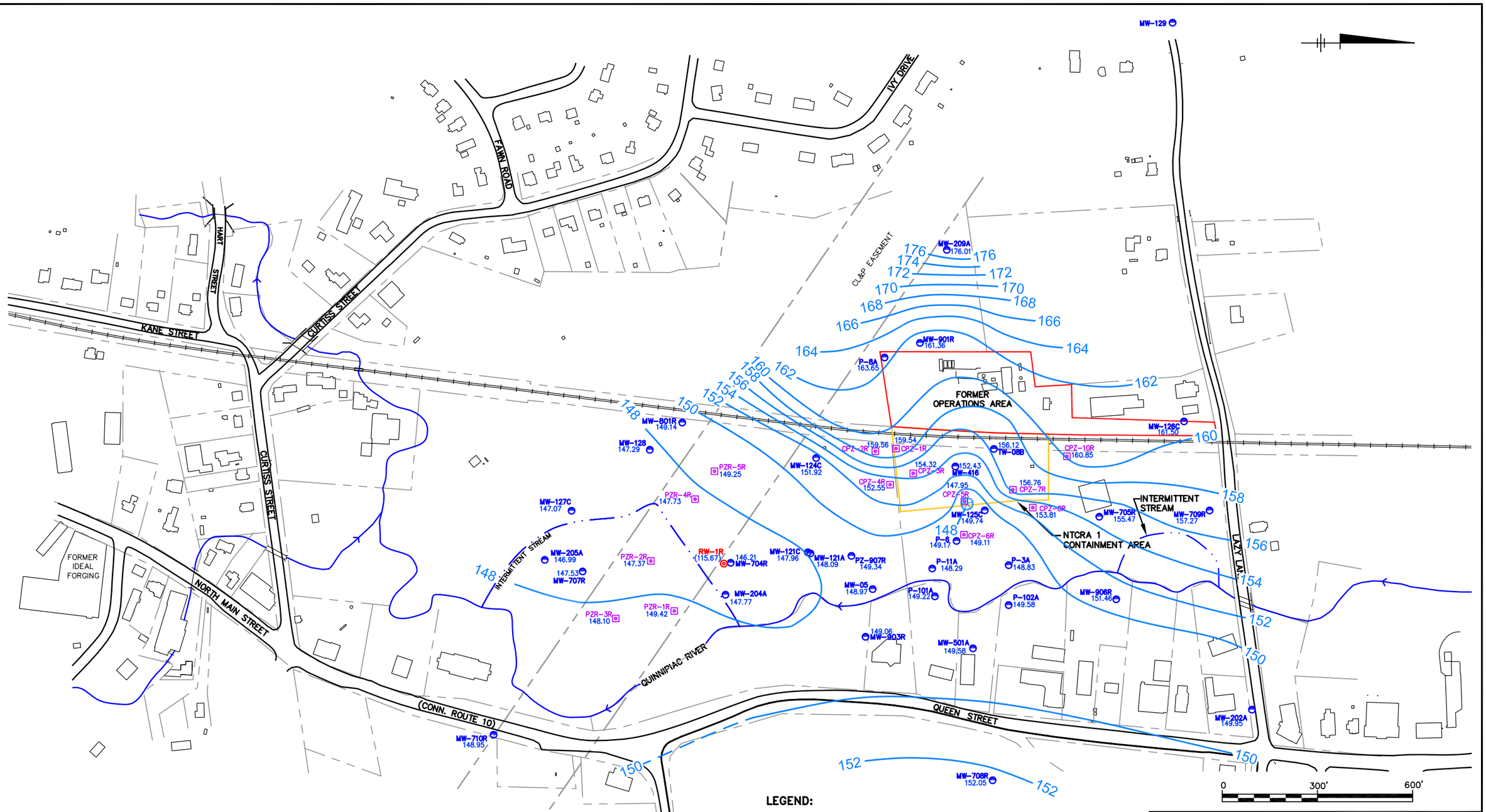
SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT

SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

DEEP OVERBURDEN GROUNDWATER ELEVATION CONTOURS MAY 10-12, 2010

ARCADIS

FIGURE 5



NOTES:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

LEGEND:

- SHALLOW BEDROCK MONITORING WELL
- PIEZOMETER
- NTCRA 2 EXTRACTION WELL
- 152.05 HYDRAULIC HEAD VALUE
- 154 GROUNDWATER ELEVATION CONTOUR (FT-AMSL) CONTOUR INTERVAL = 2 FEET, UNLESS NOTED OTHERWISE (DASHED WHERE INFERRED)

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SOUTHINGTON, CONNECTICUT

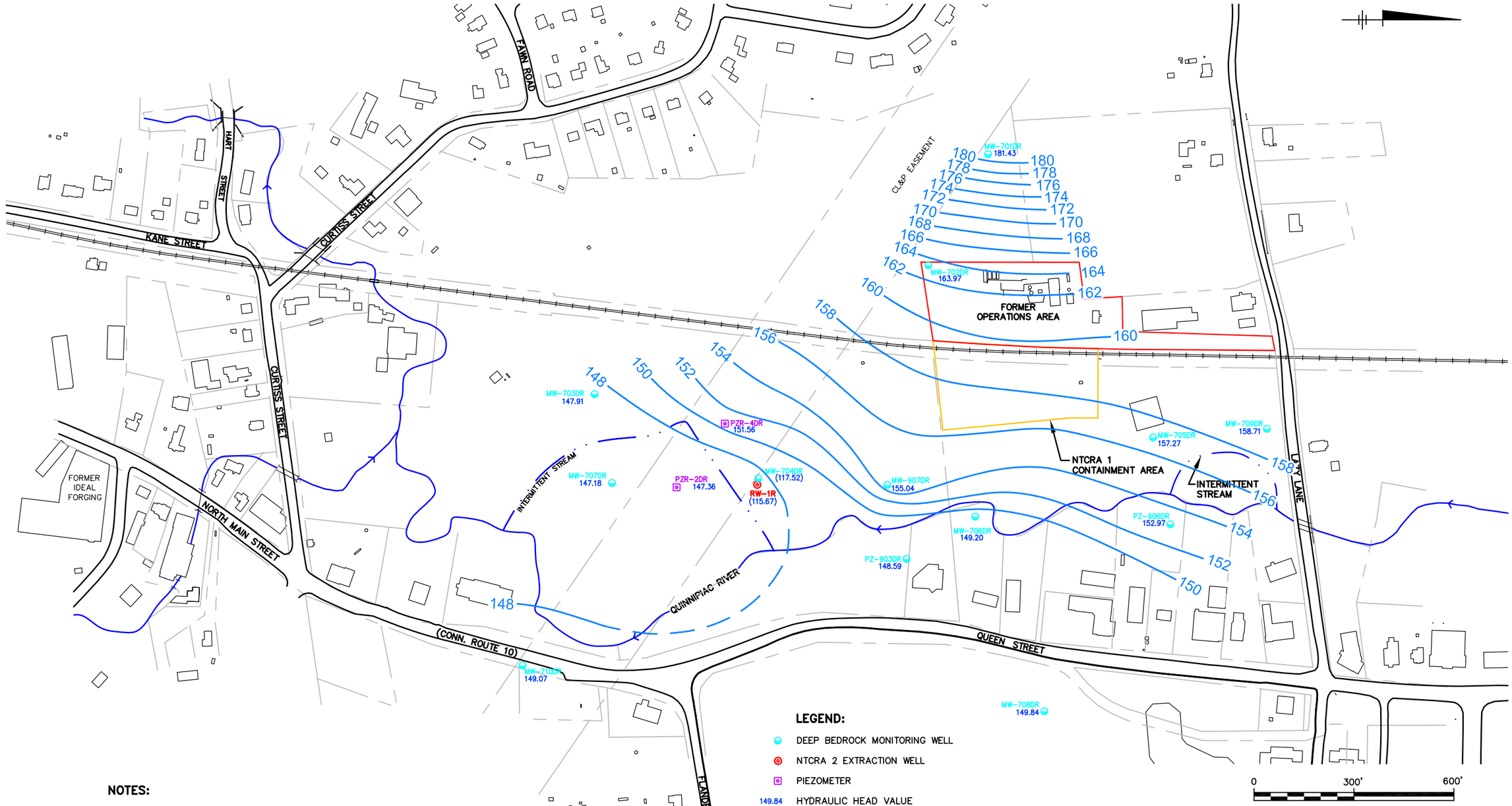
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

SHALLOW BEDROCK GROUNDWATER ELEVATION CONTOURS MAY 10-12, 2010

ARCADIS

FIGURE 6

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM/TM: M. GEFELL TR: M. SPURLIN LYR: ON=*;OFF=REF (FRZ)
G:\ENVCAD\SYRACUSE\ACTIB00\54634\0000\02600\DWG\54634W10.DWG LAYOUT: 6 SAVED: 12/16/2010 1:03 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:51 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01



NOTES:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

LEGEND:

- DEEP BEDROCK MONITORING WELL
- NTCRA 2 EXTRACTION WELL
- PIEZOMETER
- 149.84 HYDRAULIC HEAD VALUE
- 154 GROUNDWATER ELEVATION CONTOUR (FT-AMSL) CONTOUR INTERVAL = 2 FEET, UNLESS NOTED OTHERWISE (DASHED WHERE INFERRED)

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SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

DEEP BEDROCK GROUNDWATER ELEVATION CONTOURS MAY 10-12, 2010

ARCADIS

FIGURE 7

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: J. HOLDEN TM/TR: M. GEFELL LYR: ON=*;OFF=REF*;(FRZ)
G:\ENVCAD\SYRACUSE\ACTIB\005463400000026000IDWG\54634W11.DWG LAYOUT: 7 SAVED: 12/16/2010 3:28 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:52 AM BY: LISTER, PAUL
XREFS: 54634X01 IMAGES: PROJECTNAME: ---

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: M. GEFELL TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=*REF, (FRZ)
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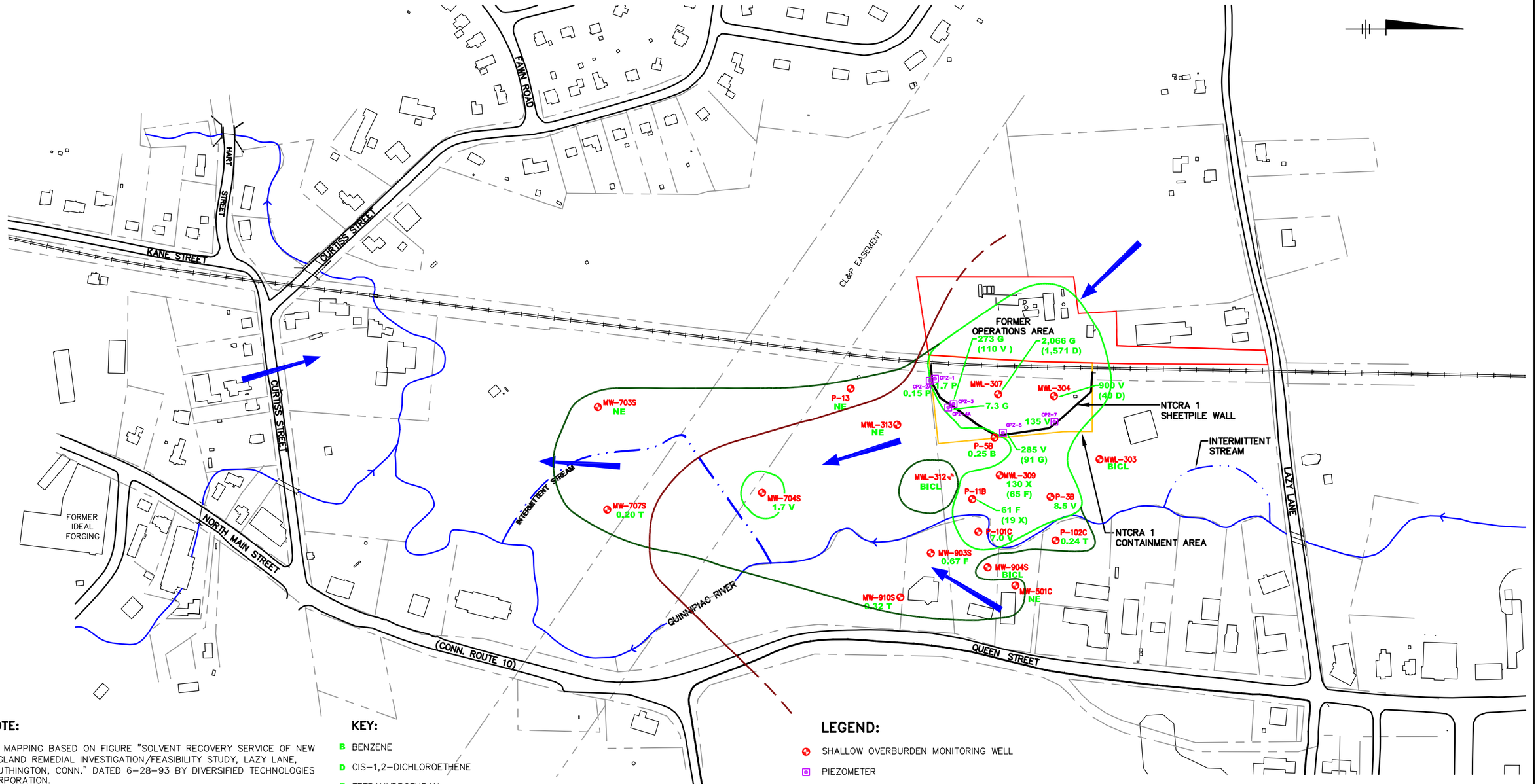
XREFS: 54634X01 IMAGES: PROJECTNAME: ---



NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

KEY:

- **B** BENZENE
- **D** CIS-1,2-DICHLOROETHENE
- **F** TETRAHYDROFURAN
- **G** CHLOROETHANE
- **P** TETRACHLOROETHENE
- **T** TRICHLOROETHENE
- **V** VINYL CHLORIDE
- **X** 1,4-DIOXANE
- **NE** EXCEEDANCE RATIO LESS THAN 0.10
- **BICL** BELOW INTERIM CLEANUP LEVELS

LEGEND:

- SHALLOW OVERBURDEN MONITORING WELL
- PIEZOMETER
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF MCLs OR CTDEP CLASS GA GWPCs (2010 SAMPLING RESULTS)
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF ROD TABLE L-1 INTERIM CLEANUP LEVELS
- ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- MWL-309 130 X (65 F) — WELL WITH REGULATORY EXCEEDANCE RATIO. NUMBERS >1.0 INDICATE GROUNDWATER REGULATORY LIMIT EXCEEDED. NUMBERS <1.0 INDICATE EXCEEDANCE RATIO FOR COMPOUNDS DETECTED BELOW REGULATORY LIMIT. FIRST NUMBER INDICATES MAXIMUM MULTIPLE OF A DETECTED VOC OVER REGULATORY LIMIT (e.g., 130 INDICATES 130 x LIMIT). LETTER INDICATES COMPOUND WITH INDICATED EXCEEDANCE RATIO (e.g., P = TETRACHLOROETHENE). NUMBERS IN PARENTHESES INDICATE OTHER EXCEEDANCE RATIOS FOR SELECT COMPOUNDS AND WELLS. COMPOUNDS DETECTED IN BLANK(S) ARE NOT INCLUDED IN THIS EVALUATION.

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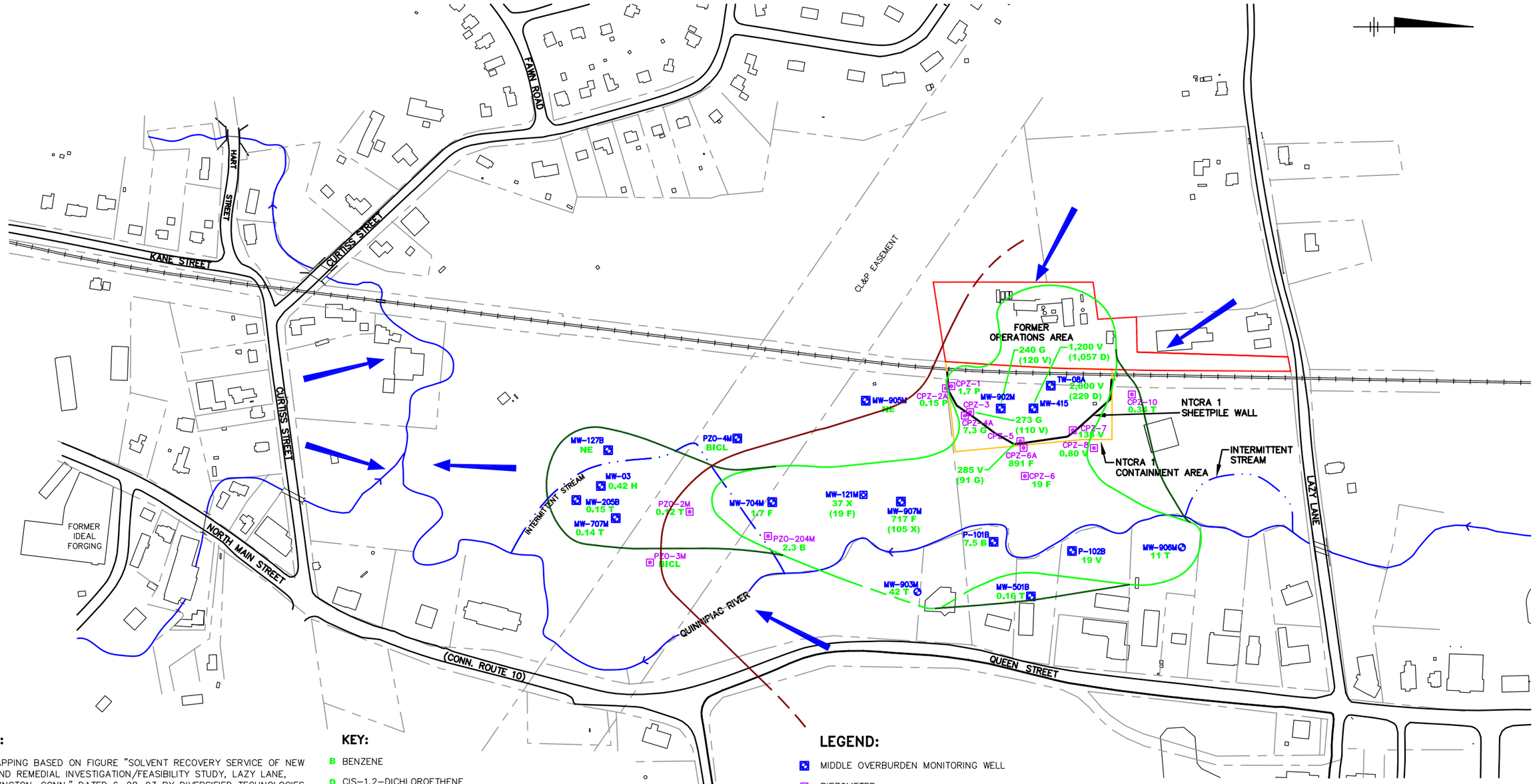
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

VOC EXCEEDANCE PLUME SHALLOW OVERBURDEN

ARCADIS

FIGURE 8

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: M. GEFELL TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=REF: (FRZ)
G:\ENVCAD\Manchester\ACTIVITY\00546340000\0027\00546340000027F09.dwg LAYOUT: 9 SAVED: 12/23/2010 12:02 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:11 AM BY: SMALL, BRIAN
XREFS: IMAGES: PROJECTNAME: ---
546340X01 Figure 28.jpg



NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

KEY:

- **B** BENZENE
- **D** CIS-1,2-DICHLOROETHENE
- **F** TETRAHYDROFURAN
- **G** CHLOROETHANE
- **H** HEXACHLOROBUTADIENE
- **P** TETRACHLOROETHENE
- **T** TRICHLOROETHENE
- **V** VINYL CHLORIDE
- **X** 1,4-DIOXANE
- **NE** EXCEEDANCE RATIO LESS THAN 0.10
- **BICL** BELOW INTERIM CLEANUP LEVELS

LEGEND:

- MIDDLE OVERBURDEN MONITORING WELL
- PIEZOMETER
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF MCLs OR CTDEP CLASS GA GWPCs (2010 SAMPLING RESULTS)
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF ROD TABLE L-1 INTERIM CLEANUP LEVELS
- ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY
- GENERALIZED GROUNDWATER FLOW DIRECTION

MW-907M 717 F (105 X) — WELL WITH REGULATORY EXCEEDANCE RATIO. NUMBERS >1.0 INDICATE GROUNDWATER REGULATORY LIMIT EXCEEDED. NUMBERS <1.0 INDICATE EXCEEDANCE RATIO FOR COMPOUNDS DETECTED BELOW REGULATORY LIMIT. FIRST NUMBER INDICATES MAXIMUM MULTIPLE OF A DETECTED VOC OVER REGULATORY LIMIT (e.g., 130 INDICATES 130 x LIMIT). LETTER INDICATES COMPOUND WITH INDICATED EXCEEDANCE RATIO (e.g., P = TETRACHLOROETHENE). NUMBERS IN PARENTHESES INDICATE OTHER EXCEEDANCE RATIOS FOR SELECT COMPOUNDS AND WELLS. COMPOUNDS DETECTED IN BLANK(S) ARE NOT INCLUDED IN THIS EVALUATION.

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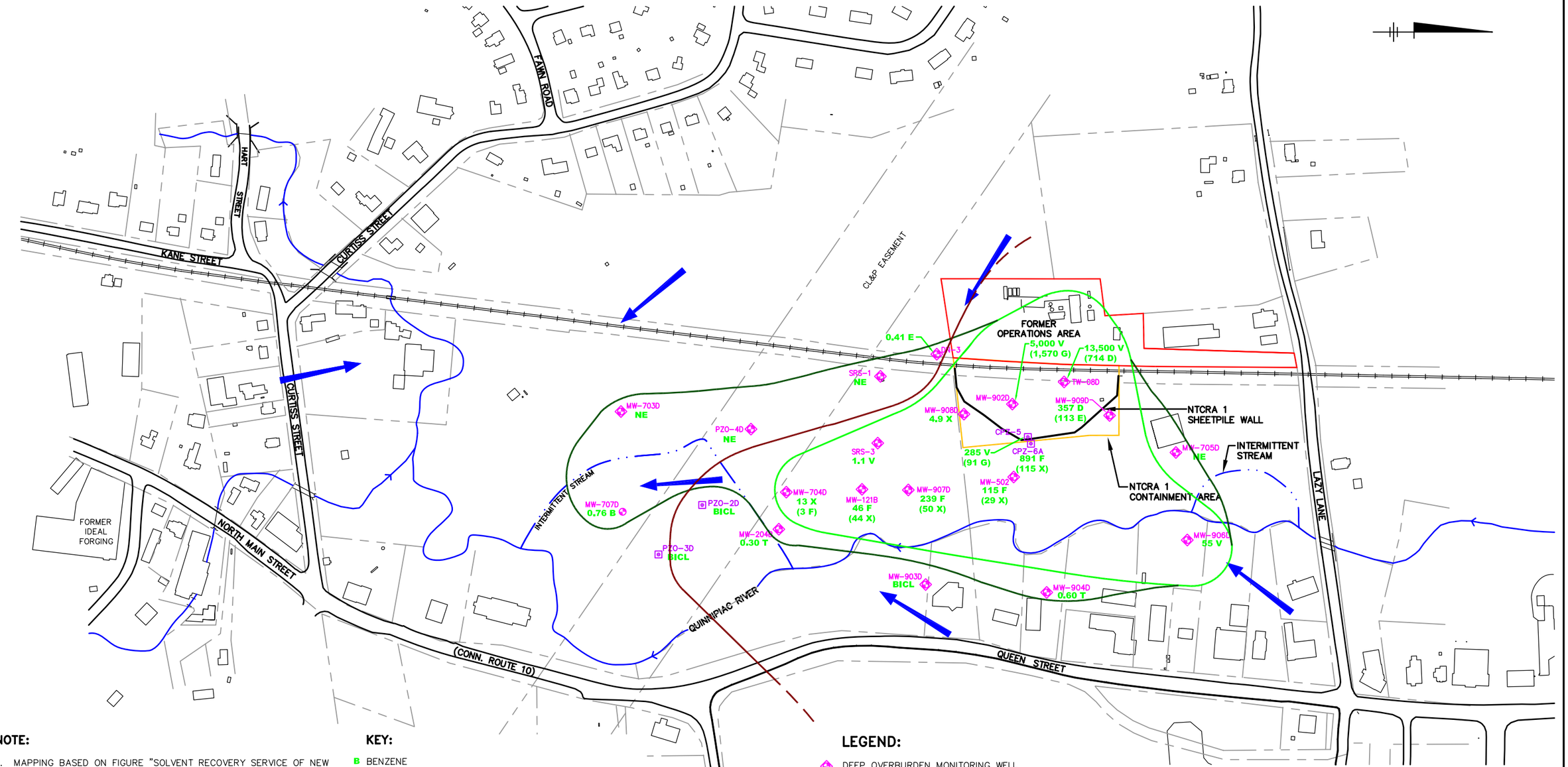
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

VOC EXCEEDANCE PLUME MIDDLE OVERBURDEN

ARCADIS

FIGURE 9



NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

KEY:

- **B** BENZENE
- **D** CIS-1,2-DICHLOROETHENE
- **E** 1,1-DICHLOROETHENE
- **F** TETRAHYDROFURAN
- **G** CHLOROETHANE
- **T** TRICHLOROETHENE
- **V** VINYL CHLORIDE
- **X** 1,4-DIOXANE
- **NE** EXCEEDANCE RATIO LESS THAN 0.10
- **BICL** BELOW INTERIM CLEANUP LEVELS

LEGEND:

- DEEP OVERBURDEN MONITORING WELL
- PIEZOMETER
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF MCLs OR CTDEP CLASS GA GWPCs (2010 SAMPLING RESULTS)
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF ROD TABLE L-1 INTERIM CLEANUP LEVELS
- ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- MW-502 115 F (29 X) — WELL WITH REGULATORY EXCEEDANCE RATIO. NUMBERS >1.0 INDICATE GROUNDWATER REGULATORY LIMIT EXCEEDED. NUMBERS <1.0 INDICATE EXCEEDANCE RATIO FOR COMPOUNDS DETECTED BELOW REGULATORY LIMIT. FIRST NUMBER INDICATES MAXIMUM MULTIPLE OF A DETECTED VOC OVER REGULATORY LIMIT (e.g., 130 INDICATES 130 x LIMIT). LETTER INDICATES COMPOUND WITH INDICATED EXCEEDANCE RATIO (e.g., P = TETRACHLOROETHENE). NUMBERS IN PARENTHESES INDICATE OTHER EXCEEDANCE RATIOS FOR SELECT COMPOUNDS AND WELLS. COMPOUNDS DETECTED IN BLANK(S) ARE NOT INCLUDED IN THIS EVALUATION.

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SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

VOC EXCEEDANCE PLUME DEEP OVERBURDEN

ARCADIS

FIGURE 10

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: M. GEFELL TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=REF (FRZ)
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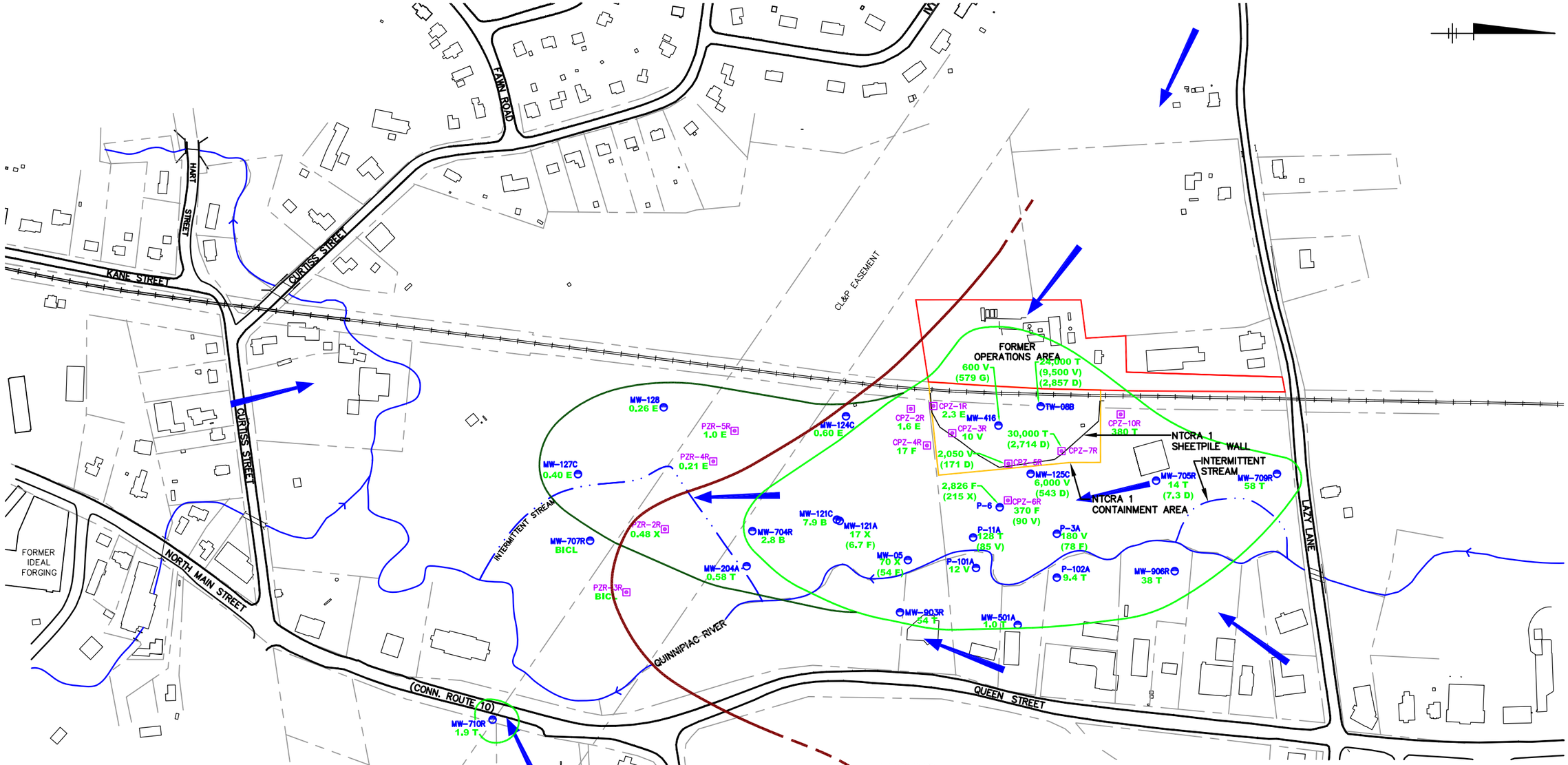
546340X01 Figure 29.jpg



NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

KEY:

- **B** BENZENE
- **D** CIS-1,2-DICHLOROETHENE
- **E** 1,1-DICHLOROETHENE
- **F** TETRAHYDROFURAN
- **G** CHLOROETHANE
- **T** TRICHLOROETHENE
- **V** VINYL CHLORIDE
- **X** 1,4-DIOXANE
- **BICL** BELOW INTERIM CLEANUP LEVELS

LEGEND:

- SHALLOW BEDROCK MONITORING WELL
- PIEZOMETER
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF MCLs OR CTDEP CLASS GA GWPCs (2010 SAMPLING RESULTS)
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF ROD TABLE L-1 INTERIM CLEANUP LEVELS
- ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- P-11A 128 T (85 V) WELL WITH REGULATORY EXCEEDANCE RATIO. NUMBERS >1.0 INDICATE GROUNDWATER REGULATORY LIMIT EXCEEDED. NUMBERS <1.0 INDICATE EXCEEDANCE RATIO FOR COMPOUNDS DETECTED BELOW REGULATORY LIMIT. FIRST NUMBER INDICATES MAXIMUM MULTIPLE OF A DETECTED VOC OVER REGULATORY LIMIT (e.g., 130 INDICATES 130 x LIMIT). LETTER INDICATES COMPOUND WITH INDICATED EXCEEDANCE RATIO (e.g., P = TETRACHLOROETHENE). NUMBERS IN PARENTHESES INDICATE OTHER EXCEEDANCE RATIOS FOR SELECT COMPOUNDS AND WELLS. COMPOUNDS DETECTED IN BLANK(S) ARE NOT INCLUDED IN THIS EVALUATION.

DRAFT

0 300' 600'

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SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

VOC EXCEEDANCE PLUME SHALLOW BEDROCK

ARCADIS

FIGURE 11

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: M. GEFELL TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=*REF,(FRZ)
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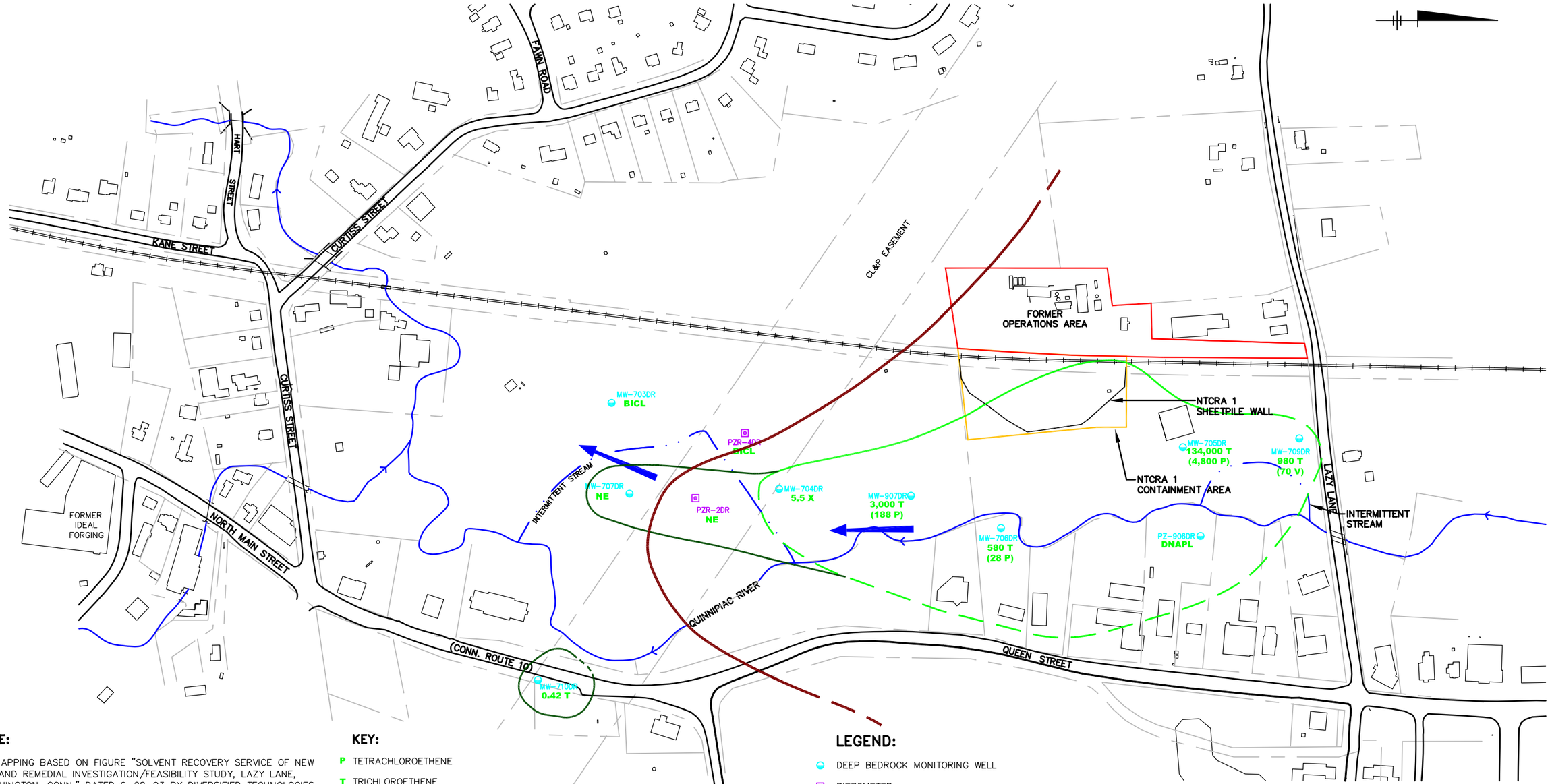
Figure 30.jpg



NOTE:

1. MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

KEY:

- **P** TETRACHLOROETHENE
- **T** TRICHLOROETHENE
- **V** VINYL CHLORIDE
- **X** 1,4-DIOXANE
- **NE** EXCEEDANCE RATIO LESS THAN 0.10
- **BICL** BELOW INTERIM CLEANUP LEVELS
- **DNAPL** DENSE NON-AQUEOUS PHASE LIQUID IN WELL

LEGEND:

- DEEP BEDROCK MONITORING WELL
- PIEZOMETER
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF MCLs OR CTDEP CLASS GA GWPCs (2010 SAMPLING RESULTS)
- ESTIMATED EXTENT OF GROUNDWATER VOC EXCEEDANCES OF ROD TABLE L-1 INTERIM CLEANUP LEVELS
- ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY
- GENERALIZED GROUNDWATER FLOW DIRECTION
- MW-907DR 3,000 T (188 P) — WELL WITH REGULATORY EXCEEDANCE RATIO. NUMBERS >1.0 INDICATE GROUNDWATER REGULATORY LIMIT EXCEEDED. NUMBERS <1.0 INDICATE EXCEEDANCE RATIO FOR COMPOUNDS DETECTED BELOW REGULATORY LIMIT. FIRST NUMBER INDICATES MAXIMUM MULTIPLE OF A DETECTED VOC OVER REGULATORY LIMIT (e.g., 130 INDICATES 130 x LIMIT). LETTER INDICATES COMPOUND WITH INDICATED EXCEEDANCE RATIO (e.g., P = TETRACHLOROETHENE). NUMBERS IN PARENTHESES INDICATE OTHER EXCEEDANCE RATIOS FOR SELECT COMPOUNDS AND WELLS. COMPOUNDS DETECTED IN BLANK(S) ARE NOT INCLUDED IN THIS EVALUATION.

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SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

VOC EXCEEDANCE PLUME DEEP BEDROCK

ARCADIS

FIGURE 12

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: M. GEFELL TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=*REF,(FRZ)
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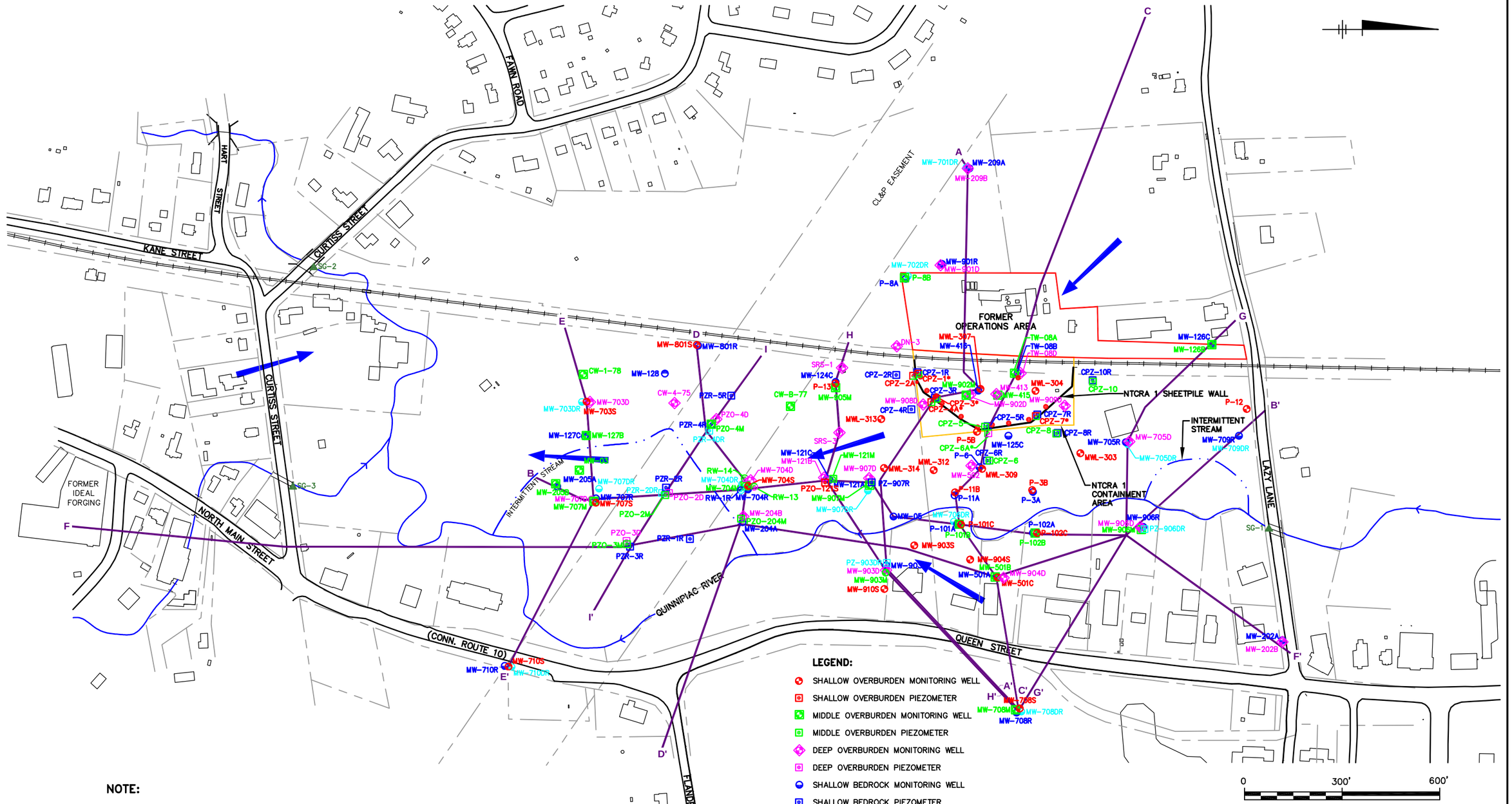
XREFS: IMAGES: PROJECTNAME: ---
54634X01 Figure 31.jpg



NOTE:

MAPPING BASED ON FIGURE "SOLVENT RECOVERY SERVICE OF NEW ENGLAND REMEDIAL INVESTIGATION/FEASIBILITY STUDY, LAZY LANE, SOUTHINGTON, CONN." DATED 6-28-93 BY DIVERSIFIED TECHNOLOGIES CORPORATION.

LEGEND:

- SHALLOW OVERBURDEN MONITORING WELL
- SHALLOW OVERBURDEN PIEZOMETER
- MIDDLE OVERBURDEN MONITORING WELL
- MIDDLE OVERBURDEN PIEZOMETER
- DEEP OVERBURDEN MONITORING WELL
- DEEP OVERBURDEN PIEZOMETER
- SHALLOW BEDROCK MONITORING WELL
- SHALLOW BEDROCK PIEZOMETER
- DEEP BEDROCK MONITORING WELL
- DEEP BEDROCK PIEZOMETER
- NTCRA 1 EXTRACTION WELL
- MIDDLE/DEEP OVERBURDEN NTCRA 2 EXTRACTION WELL
- SHALLOW/DEEP BEDROCK NTCRA 2 EXTRACTION WELL
- STREAM/RIVER GAUGE POINT
- GENERALIZED GROUNDWATER FLOW DIRECTION
- * S=SHALLOW OVERBURDEN, M=MIDDLE OVERBURDEN, D=DEEP OVERBURDEN, R=SHALLOW BEDROCK, DR=DEEP BEDROCK
- A —— A' CROSS SECTION LOCATION

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0 300' 600'

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SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

CROSS SECTION LOCATION MAP

ARCADIS

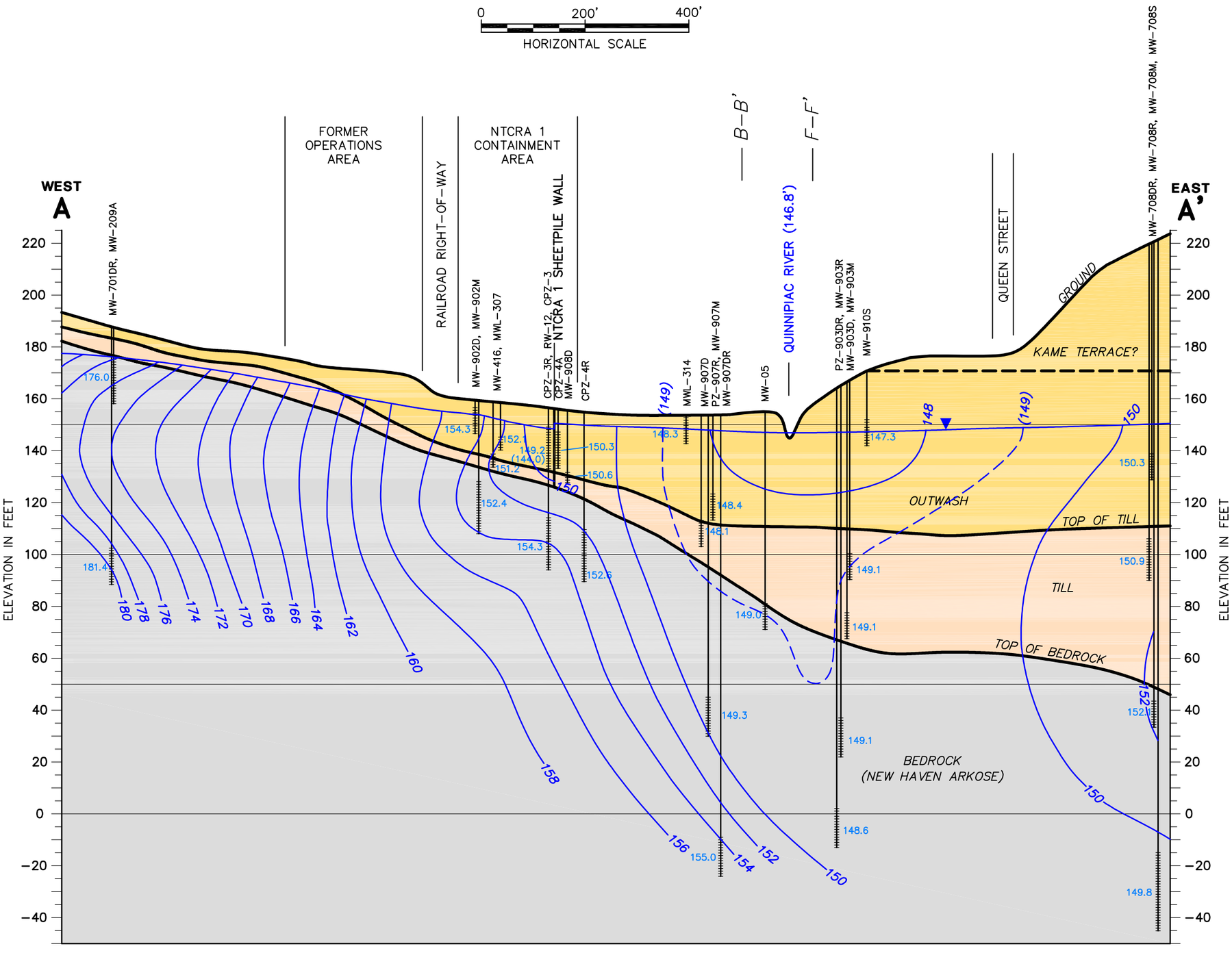
FIGURE 13

CITY: SYRACUSE, NY GROUP: ENVCAD DB: RLP NES PGL PM: M. GEFELL TM: M. GEFELL LYR: ON=*;OFF=REF; (FR2)
G:\ENVCAD\SYRACUSE\ACTIB\005463400000\02600\DWG\015463400V01.DWG LAYOUT: 13SAVED: 12/17/2010 2:04 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/5/2011 9:53 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

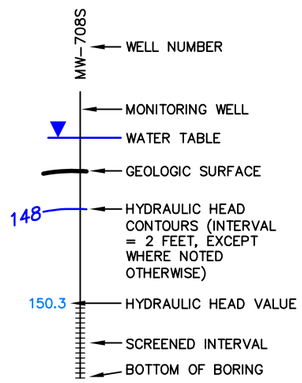
CROSS SECTION A-A'

0 200' 400'

HORIZONTAL SCALE

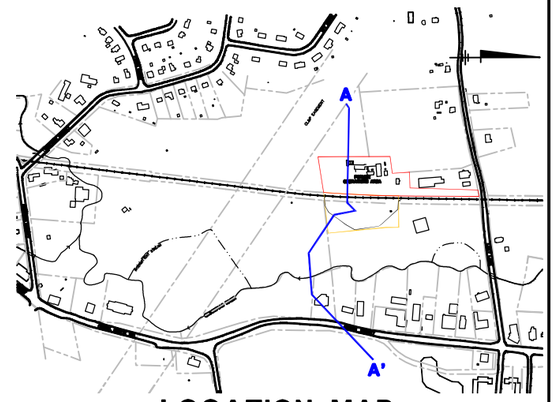


LEGEND:



NOTES:

1. MONITORING WELLS AND HYDRAULIC HEAD DATA WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.



LOCATION MAP

1000' 0 1000'

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SOUTHINGTON, CONNECTICUT

SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION A-A' WITH HYDRAULIC HEAD CONTOURS

ARCADIS

FIGURE
14

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM/TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=REF; (FRZ)
G:\ENVCAD\SYRACUSE\ACTIB\0054634\00002600\DWG\54634CSA.DWG LAYOUT: 14SAVED: 12/16/2010 4:59 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/6/2011 9:54 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

CROSS SECTION B-B'

SOUTH **B** — NORTH **B'**

ELEVATION IN FEET

MW–205A, MW–205B | MW–707DR, MW–707R, MW–707D, MW–707M, MW–707S — E–E' | — I–I' | PZR–2DR, PZR–2R, PZO–2D, PZO–2M | — INTERMITTENT STREAM | MW–704DR, RW–1R, MW–704R, RW–14, MW–704M, MW–704S, MW–704D, RW–13 — D–D' | MW–121A, MW–121C, MW–121B, MW–121M, PZO–121S — H–H' | MW–907DR, PZ–907R, MW–907D, MW–907M — A–A' | MW–05 | — QUINNIPIAC RIVER (146.9') | MW–706DR, P–101A, P–101B, P–101C — C–C' | — QUINNIPIAC RIVER (146.9') | — QUINNIPIAC RIVER (147.0') | P–102A, P–102B, P–102C | — F–F'/G–G' | PZ–906DR, MW–906R, MW–906D, MW–906M | — QUINNIPIAC RIVER | — INTERMITTENT STREAM | MW–709DR, MW–709R | P–12

GROUND

OUTWASH

TOP OF TILL

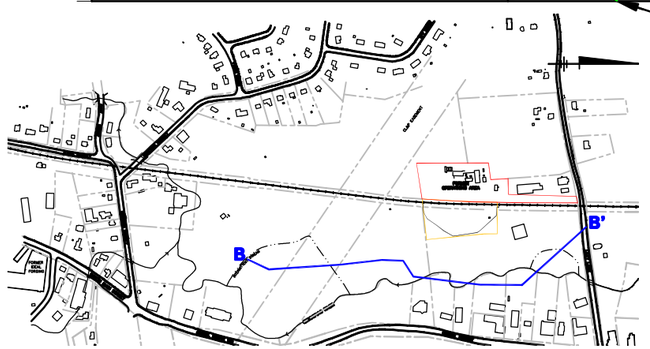
TILL (GRAVELLY DRIFT)

TOP OF BEDROCK

TILL

BEDROCK (NEW HAVEN ARKOSE)

ESTIMATED NTCRA 2 CAPTURE ZONE BOUNDARY



LOCATION MAP

1000' 0 1000'

NOTES:

1. MONITORING WELLS AND HYDRAULIC HEAD DATA WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. HYDRAULIC HEAD VALUES ARE REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.
3. HEAD VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING.

LEGEND:

MW–205A — WELL NUMBER

- MONITORING WELL
- WATER TABLE
- GEOLOGIC SURFACES
- HYDRAULIC HEAD CONTOURS (INTERVAL = 2 FEET)
- HYDRAULIC HEAD VALUE (148 / 146.8)
- SCREENED INTERVAL
- BOTTOM OF BORING

0 200' 400'

HORIZONTAL SCALE

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION B-B' WITH HYDRAULIC HEAD CONTOURS

ARCADIS

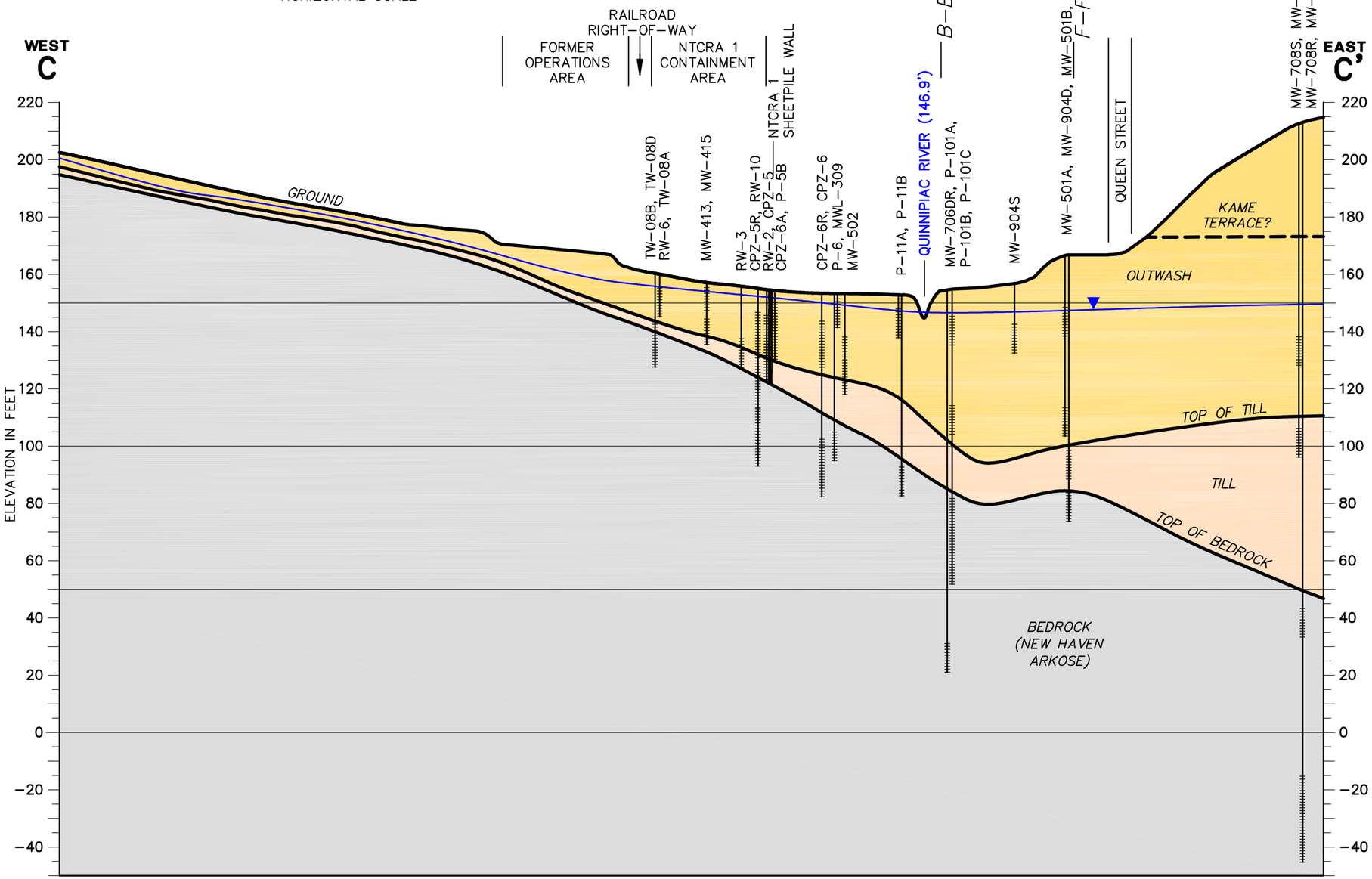
FIGURE **15**

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER PM: J. HOLDEN TM/TR: M. GEFELL LYR: ON=*;OFF=REF; (FRZ)
G:\ENVCAD\SYRACUSE\ACTIVITB0054634\0000\02600\DWG\546334CSB.DWG LAYOUT: 15SAVED: 12/17/2010 10:12 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/5/2011 9:55 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
546334X01

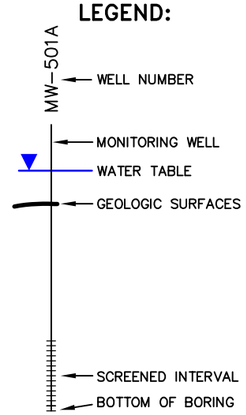
CROSS SECTION C-C'

0 200' 400'

HORIZONTAL SCALE

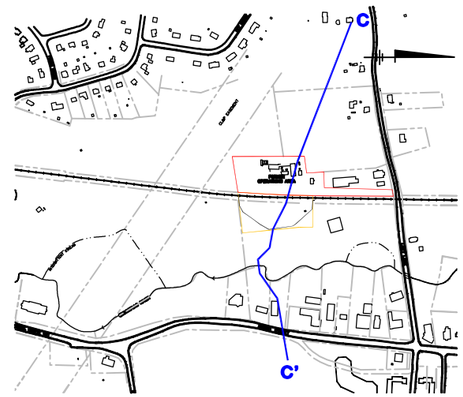


LEGEND:



NOTES:

1. MONITORING WELLS WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

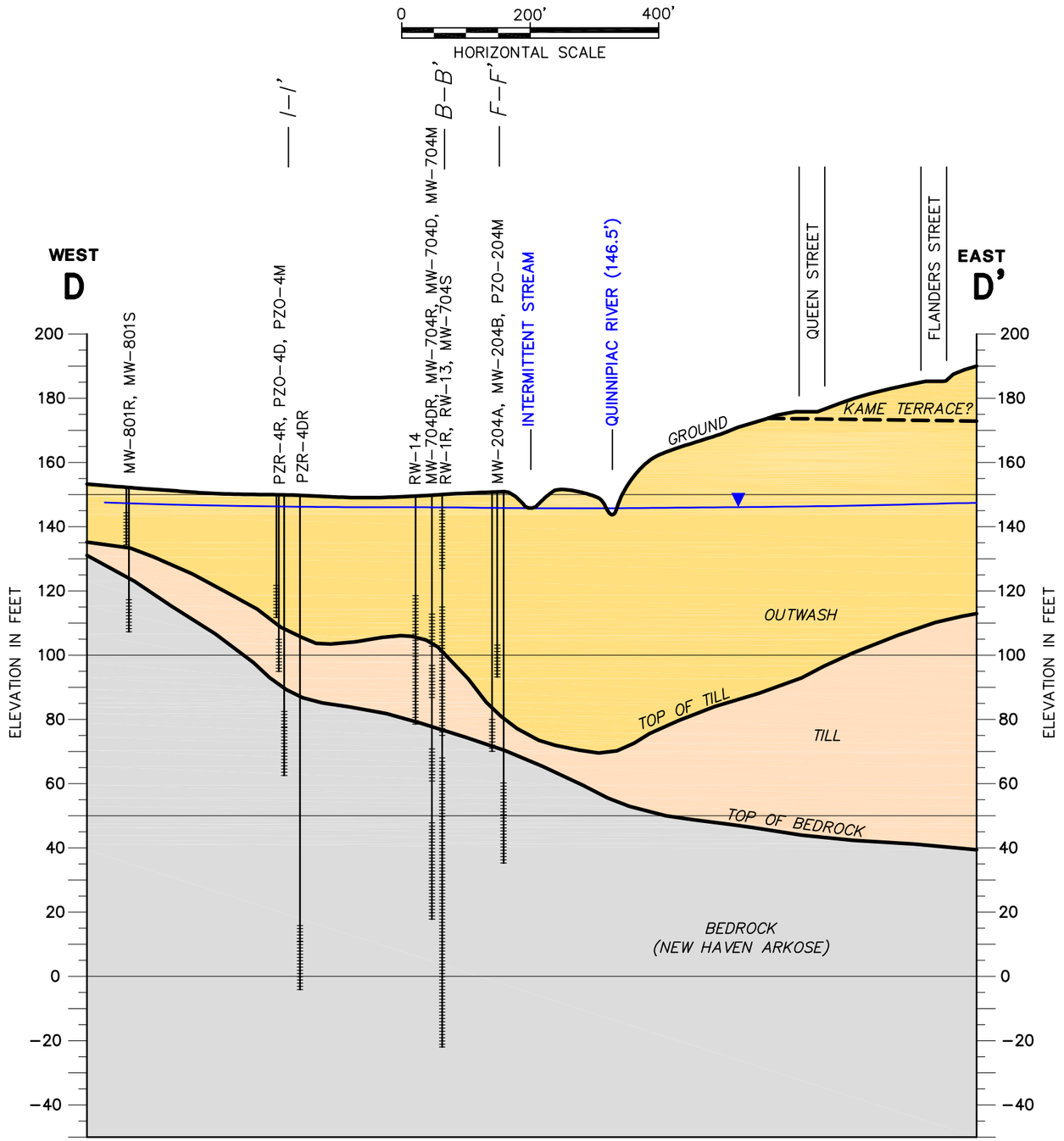
GEOLOGIC CROSS SECTION C-C'

ARCADIS

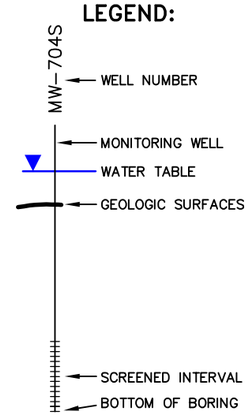
FIGURE
16

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM: J. HOLDEN TM: J. HOLDEN TR: R. STEVENSON LYR: ON=*;OFF=REF,(FR2)
G:\ENVCAD\SYRACUSE\ACTIB\05463400\0026000\DWG\54634CSC.DWG LAYOUT: 16SAVED: 12/16/2010 1:59 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:56 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ----
54634X01

CROSS SECTION D-D'

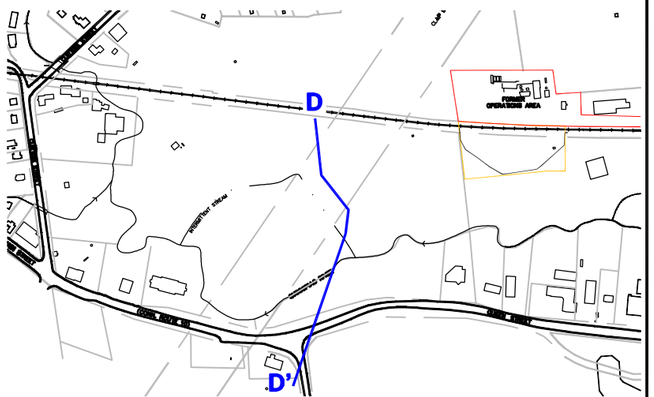


LEGEND:



NOTES:

1. MONITORING WELLS WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION D-D'

ARCADIS

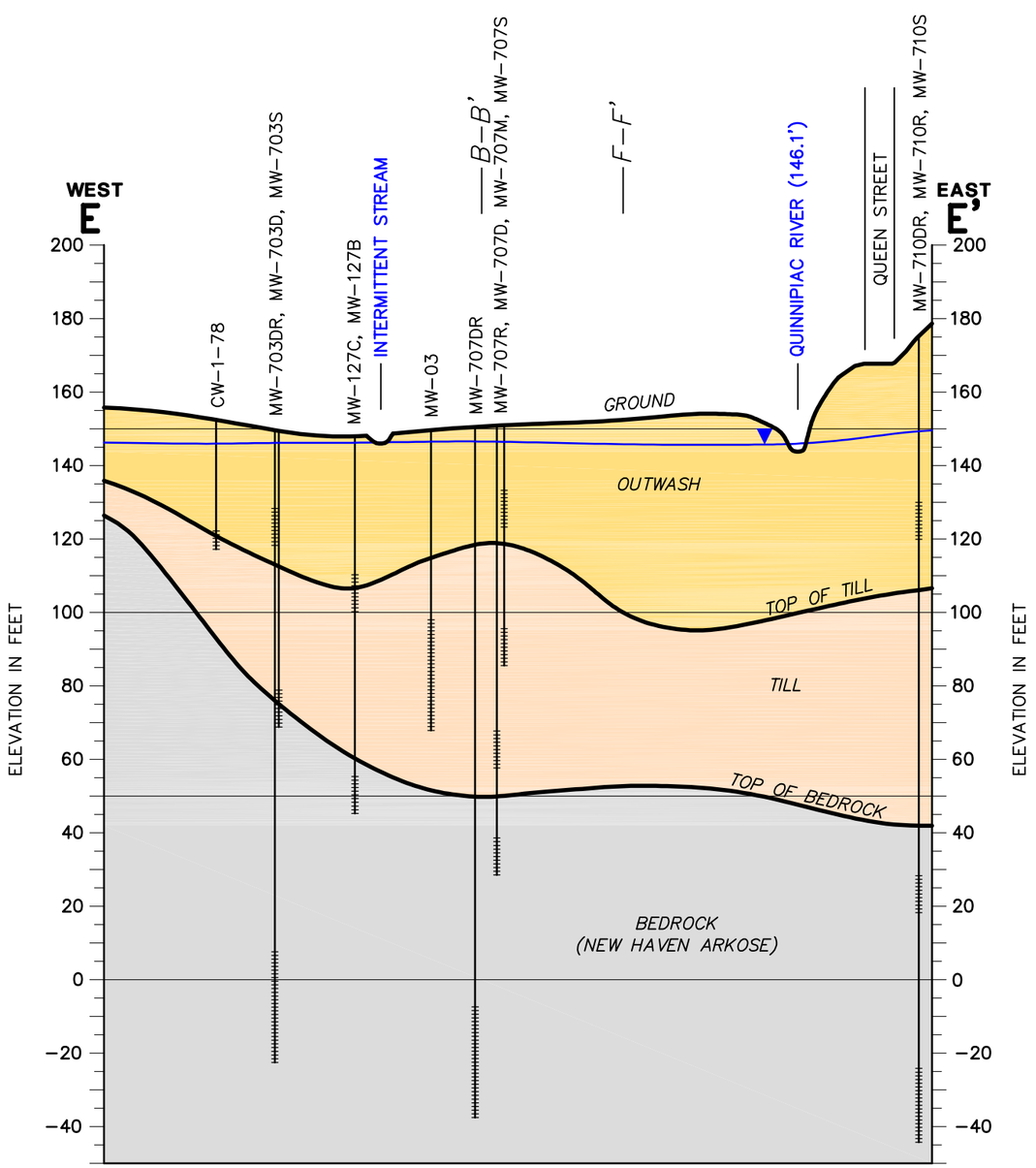
FIGURE
17

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM: J. HOLDEN TM: J. HOLDEN TR: R. STEVENSON LYR: ON=*;OFF=REF; (FR2)
G:\ENVCAD\SYRACUSE\ACT\B0054634\0000\02600\DWG\54634CSD.DWG LAYOUT: 17SAVED: 12/16/2010 1:53 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 9:57 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

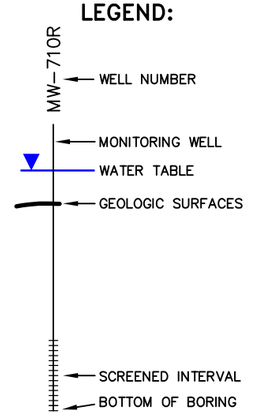
CROSS SECTION E-E'

0 200' 400'

HORIZONTAL SCALE

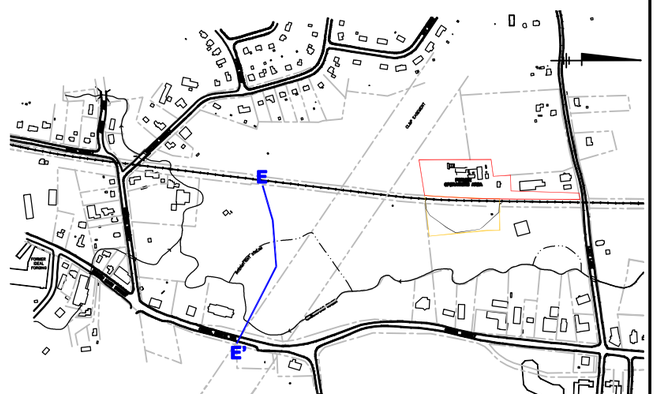


LEGEND:



NOTES:

1. MONITORING WELLS WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION E-E'

ARCADIS

FIGURE
18

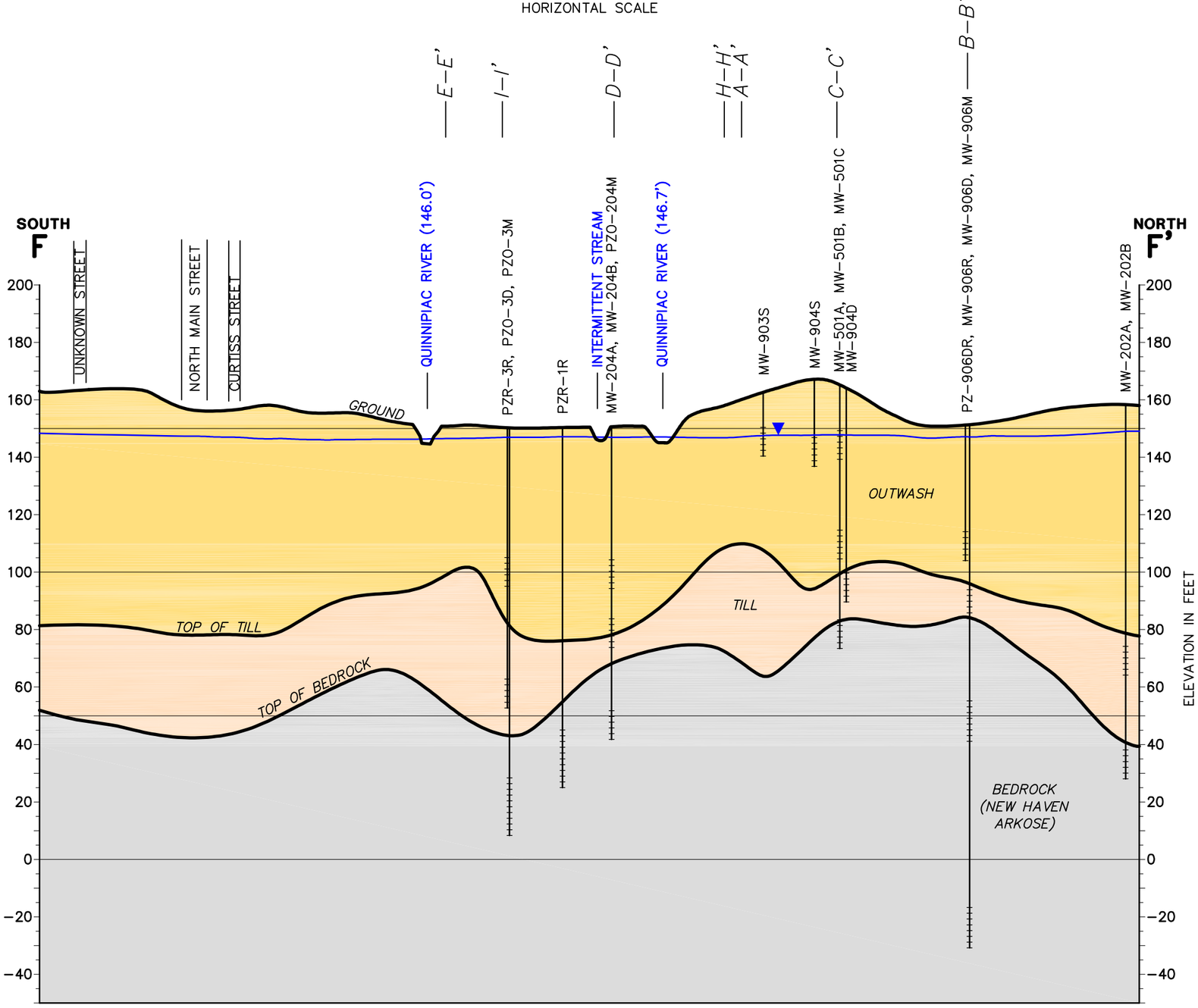
DRAFT

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM: J. HOLDEN TM: J. HOLDEN TR: R. STEVENSON LYR: ON=*;OFF=REF; (FRZ)
G:\ENVCAD\SYRACUSE\ACT\B0054634\0000\02600\DWG\54634CSE.DWG LAYOUT: 18SAVED: 1/5/2011 9:58 AMACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/5/2011 9:58 AMBY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

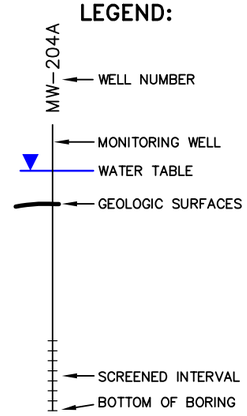
CROSS SECTION F-F'

0 400' 800'

HORIZONTAL SCALE



LEGEND:



NOTES:

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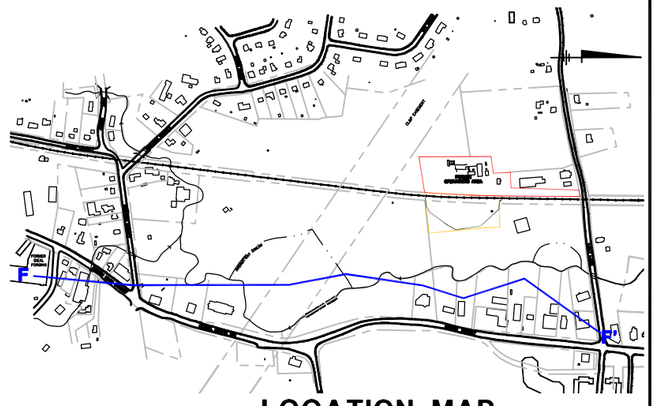
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT

SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

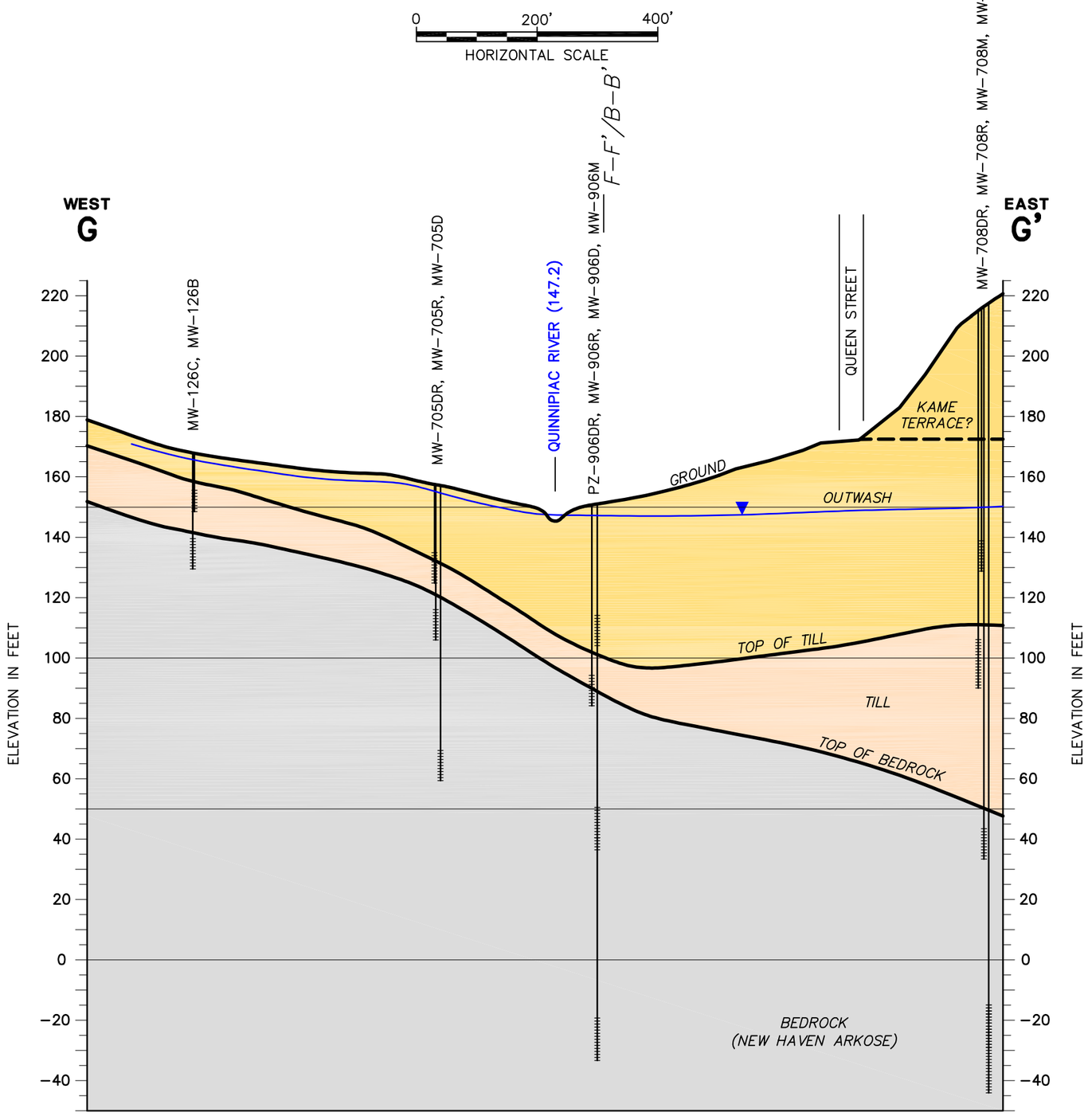
GEOLOGIC CROSS SECTION F-F'

ARCADIS

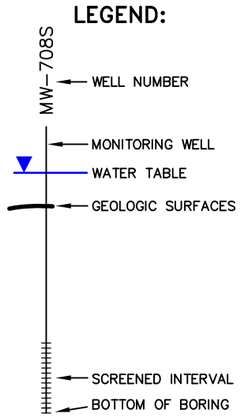
FIGURE
19

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM: J. HOLDEN TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=REF, (FRZ)
G:\ENVCAD\SYRACUSE\ACTIVE\B005463400000260\DWG\54634CSF.DWG LAYOUT: 19SAVED: 1/5/2011 10:16 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 10:16 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

CROSS SECTION G-G'



LEGEND:



NOTES:

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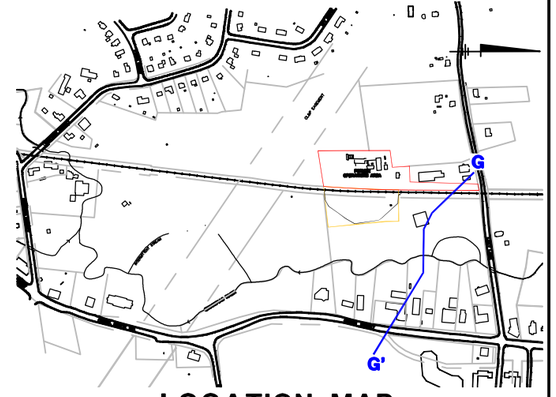
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION G-G'

ARCADIS

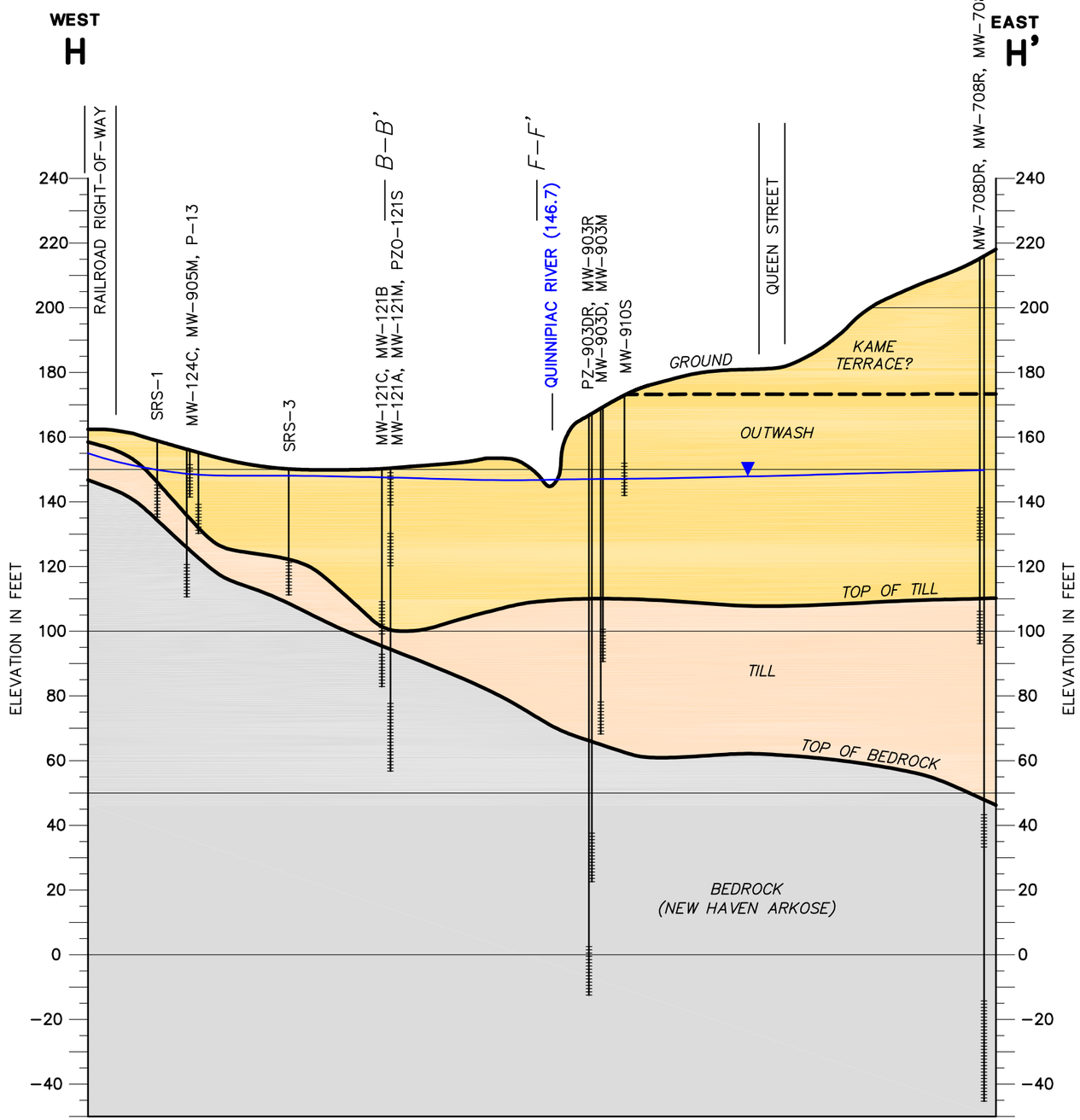
FIGURE
20

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W. JONES, P. LISTER PM: J. HOLDEN TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=*REF*,(FR2)
G:\ENVCAD\SYRACUSE\ACTIVITB0054634\0000\0026\00\DWG\54634CSG.DWG LAYOUT: 20SAVED: 1/5/2011 10:16 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ----PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2011 10:16 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

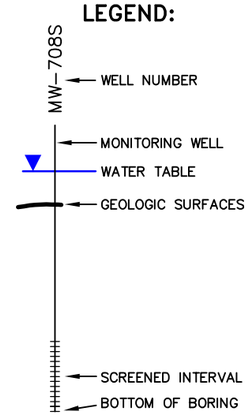
CROSS SECTION H-H'

0 200' 400'

HORIZONTAL SCALE

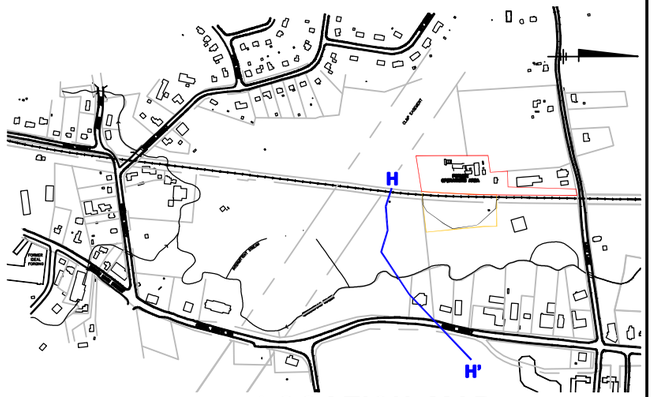


LEGEND:



NOTES:

1. MONITORING WELLS WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.
2. WATER LEVEL FOR QUINNIPIAC RIVER IS REPORTED IN FEET ABOVE MEAN SEA LEVEL (FT–AMSL) FOR MAY 2010 MEASUREMENT EVENT.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION H-H'

ARCADIS

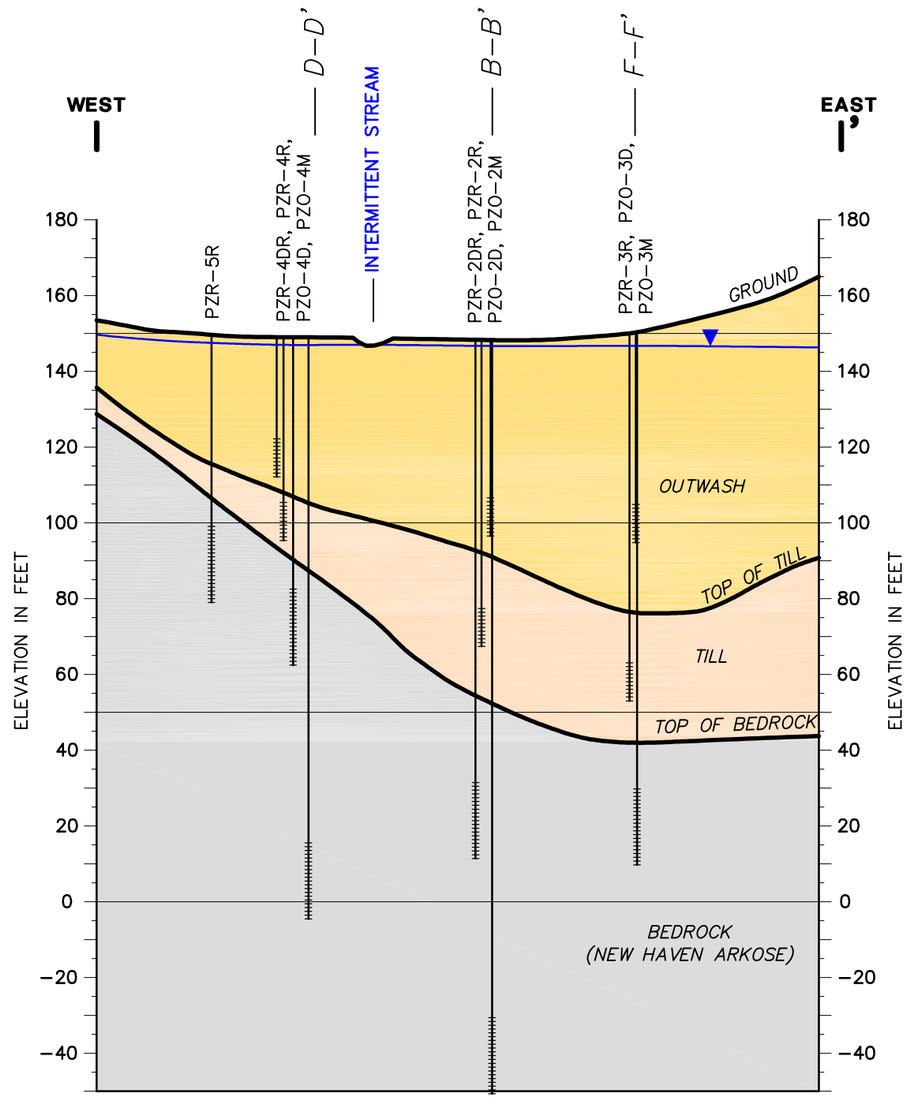
FIGURE
21

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W.JONES PM: J. HOLDEN TM: J. HOLDEN TR: M. SPURLIN LYR: ON=*;OFF=REF, (FRZ)
G:\ENVCAD\SYRACUSE\ACTIVE\00546340000026001\DWG\54634CSH.DWG LAYOUT: 21SAVED: 1/5/2011 10:17 AMACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/5/2011 10:17 AMBY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ---
54634X01

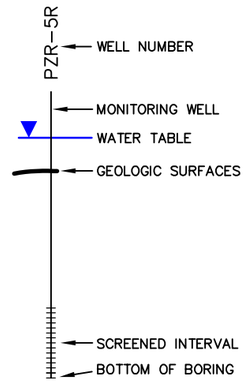
CROSS SECTION I-I'

0 200' 400'

HORIZONTAL SCALE

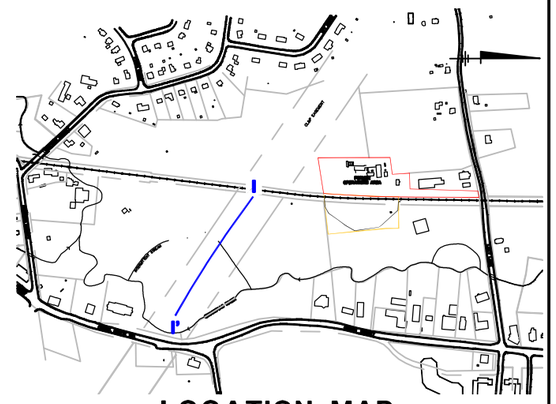


LEGEND:



NOTE:

MONITORING WELLS WITHIN 50 FEET OF THE CROSS SECTION LOCATION ARE INCLUDED.



LOCATION MAP

1000' 0 1000'

DRAFT

SRSNE SUPERFUND SITE
SOUTHINGTON, CONNECTICUT
SUMMARY OF INITIAL (2010) COMPREHENSIVE GROUNDWATER SAMPLING EVENT

GEOLOGIC CROSS SECTION I-I'

ARCADIS

FIGURE
22

CITY: SYRACUSE, NY GROUP: ENVCAD DB: P. LISTER, W.JONES, P. LISTER PM: J. HOLDEN TM: M. GEFELL TR: R. STEVENSON LYR: ON=*;OFF=REF, (FRZ)
G:\ENVCAD\SYRACUSE\ACTIB\0054634\000002600\DWG\54634CSI.DWG LAYOUT: 22SAVED: 1/5/2011 10:18 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ----PLOTSTYLETABLE: PLTFULL.CTBPLOTTED: 1/5/2011 10:18 AM BY: LISTER, PAUL
XREFS: IMAGES: PROJECTNAME: ----
54634X01

ARCADIS

Attachments

ARCADIS

Attachment A

Field Sampling Forms

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SLSNE
Well Number ~~CP2-1R~~ Date 5/18/10
Field Personnel (CP2-1) EC
Sampling Organization ARCADIS
Identify MP TIC (7.88' DTW')

Depth to 4.6 / 19.6 of screen
(below MP) top bottom (EC)
Pump Intake at (ft. below MP) ~~14.6~~ 12.10'
Purging Device; (pump type) Bladder # 10234
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1430	7.14		100		13.11	199	6.35	120.4	4.38	864	
1435	7.17		100		12.76	197	6.26	106.8	1.83	538	
1440	7.17		100		11.84	199	6.27	88.1	1.10	326	
1445	7.17		100		11.50	198	6.26	89.4	0.97	174	
1450	7.17		100		11.25	197	6.26	98.3	0.92	89	
1455	7.17		100		11.24	191	6.24	90.4	0.99	38.8	
1500	7.17		100		11.09	193	6.26	80.6	0.87	21.2	
1505	7.17		100		11.04	194	6.27	80.3	0.87	24.3	
1510	7.17		100		11.18	193	6.26	78.4	0.86	17.2	
1515	7.17		100		11.21	194	6.26	79.0	0.84	11.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

2 of 2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1 Date 5/18/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 4.6 / 19.6 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 12.16
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1520	7.17		100		11.32	193	6.27	77.7	0.85	12.6	
1525	7.17		100		11.44	193	6.27	78.6	0.84	10.1	
1530	7.17		100		11.47	193	6.28	76.0	0.83	8.2	
1535	7.17		100		11.47	193	6.28	74.4	0.82	7.3	
1540	7.17		100		11.40	192	6.28	7.29	0.81	7.1	
1545	7.17		100		11.37	191	6.27	72.5	0.81	6.8	
1550	7.17		100		11.36	191	6.27	72.7	0.81	7.4	
1555	7.17		100		11.37	191	6.27	74.1	0.80	7.3	
1600	7.17		100		11.38	191	6.27	74.3	0.79	7.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1AR Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization ORS
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) micro-Purge ID# 10093
Total Volume Purged ~~15~~ 4.5 gallons Actual

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	2.41	4cpm / 35PSI	<50	<1	Cell Filling						
1050	2.66	"	50	<1	"	"					
1055	2.65	"	50	<1	"	"					Checked Flow through cell 65 mL/min
1100	2.65	"	50	<1	"	"					
1105	2.80	"	60	1	16.10	275	6.54	175	4.31	3.31	
1110	2.86	"	60	1.3	15.83	272	6.56	176	3.88	0.89	
1115	2.88	"	60	1.6	15.66	277	6.69	174	3.29	0.40	
1120	2.90	"	60	1.9	15.49	281	6.82	172	2.73	1.62	
1125	2.89	"	60	2.2	15.59	282	6.90	168	2.45	0.00	
1130	2.88	"	60	2.5	15.55	284	6.97	167	2.19	1.26	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1A/1BR Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1135	2.90	42 PM / 35 HZ	60	2.8	15.25	288	7.12	156	1.97	0.41	
1140	2.90	"	60	3.1	15.23	288	7.21	163	1.77	0.70	
1145	2.91	"	60	3.4	15.25	288	7.26	161	1.71	0.67	
1150	2.91	"	"	3.7	15.05	299	7.31	160	1.58	0.50	
1155	2.91	"	"	4.0	14.67	291	7.35	159	1.49	0.50	
1200	2.91	"	"	4.3	14.60	291	7.35	159	1.49	0.41	Stopped Flow Through Cell to collect Supplimental Sample
1240	2.70	"	"	5.4	16.96	293	7.41	153	1.59	0.38	
1245	2.80	"	"	5.7	15.81	301	7.38	154	1.73	0.55	Readings are not Representitive due to Sample Collection. No Flow Through Cell
1250	2.90	"	"	6.0	14.58	294	7.31	157	1.74	0.46	
1255	2.91	"	"	6.3	14.21	293	7.28	157	1.72	0.50	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-1R Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1300	2.92	4 CPM / 35PSI	60	6.6	14.23	292	7.19	158	1.72	0.39	
1305	2.92	"	60	6.9	14.21	292	7.13	160	1.77	0.42	measure Flow Rate Through Cell 50 mL/min
1310	2.92	"	50	7.1	14.41	291	7.11	159	1.92	0.45	
1315	2.91	"	"	7.3	14.21	292	7.03	160	1.91	0.33	
1320	2.92	"	"	7.5	14.21	291	6.97	162	1.95	0.43	
1325	2.91	"	"	7.7	14.38	291	6.96	162	1.98	0.41	
1330	2.92	"	"	7.9	14.42	292	6.95	162	1.99	0.00	
1335	2.91	"	"	8.1	14.48	292	6.92	162	2.01	0.00	checked Flow Through cell 50 mL/min
1340	2.91	"	"	8.3	14.53	291	6.90	162	2.04	0.00	
1345	2.29	"	"	8.5	14.57	292	6.88	163	2.08	0.00	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1R Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1350	2.91	4cpm / 35psi	50	8.7	14.52	292	6.85	163	2.12	0.00	Changed gas bottle.
1355	2.80	"	"	8.9	14.90	290	6.85	164	2.23	0.00	
1400	2.86	"	"	9.1	14.72	291	6.81	164	2.26	0.00	
1405	2.88	"	"	9.3	14.66	290	6.77	165	2.31	0.00	
1410	2.90	"	"	9.5	14.58	290	6.79	165	2.27	0.10	
1415	2.89	"	"	9.7	14.59	289	6.81	165	2.17	0.00	
1420	2.90	"	"	9.9	14.71	290	6.81	165	2.13	0.10	
1425	2.90	"	"	10.1	14.73	290	6.82	166	2.13	0.00	
1430	2.90	"	"	10.3	14.70	290	6.82	166	2.09	0.10	
1435	2.91	"	"	10.5	14.85	289	6.83	166	2.05	0.00	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1R Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1440	2.90	4CPM / 35PSI	500	10.7	14.79	290	6.84	166	2.07	0.00	Checked Flow Rate Through Cell 500 mL/min
1445	2.87	"	"	10.9	14.78	289	6.84	166	2.06	0.00	
1450	2.88	"	"	11.1	14.79	289	6.83	166	2.07	0.00	
1455	2.89	"	"	11.3	14.81	290	6.83	166	2.08	0.10	No Color or Odor
1500	2.90	"	"	11.5	14.77	290	6.84	166	2.07	0.00	
1505	2.90	"	"	11.7	14.82	290	6.85	166	2.06	0.00	
1510	2.89	"	"	11.9	14.87	290	6.86	166	2.05	0.00	
1515	2.90	"	"	12.1	14.89	290	6.86	166	2.06	0.00	
1520	2.89	"	"	12.3	14.91	290	6.86	165	2.06	0.00	
1525	2.90	"	"	12.5	14.92	290	6.86	165	2.07	0.10	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-1R Date 5-20-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 41' / 61' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1530	2.89	4CPM / 35 PSI	50	12.7	14.98	289	6.86	165	2.08	0.10	measured Flow Rate Through cell 50 mL/min
/ /	/ /	/ /	/ /	/ /	/ /	/ Well Screen Volume	/ /	/ /	/ /	/ /	/ /
1535	2.90	"	"	12.9	15.01	289	6.83	165	2.08	0.00	14 L Actual in bucket
1540	2.89	"	"	13.1	14.99	289	6.82	166	2.07	0.00	
1545	2.90	"	"	13.3	14.98	289	6.82	166	2.08	0.00	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 1 of 3

Location (Site/Facility Name) SRS NIR
Well Number C24, 24A Date
Field Personnel Russell
Sampling Organization GEM Inc
Identify MP TOC 5.90 Ft prior to pumping

Depth to 7.3/22.3 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 19.8
Purging Device; (pump type) 8080
Total Volume Purged 28375

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1] recharge/purge	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	6.05	12.5/25	50	2000	13.24	151	5.96	193.7	1.27	99.7	
0915	6.03	12.5/25	75	2375	13.65	152	5.99	176.7	1.56	100.4	Reversed flow @ 75
0920	6.00	12.5/25	75	2750	13.48	151	6.00	151.7	1.62	113.0	
0925	6.02	" "	75	3125	13.43	150	5.99	144.2	1.41	102.5	
0930	6.02	" "	75	3500	13.99	148	6.00	140.3	1.23	91.6	
0935	6.04	" "	75	3875	13.78	148	6.00	135.9	1.10	101.7	
0940	6.04	" "	75	4250	13.95	147	6.01	132.8	0.99	1.61	Recalibrated Lamotte
0945	6.00	" "	75	4625	14.16	146	6.01	131.5	1.18	error	
0950	6.02	" "	75	5000	14.19	147	6.02	130.7	1.20	↓	
0955	6.04	" "	75	5375	14.25	146	6.01	130.1	1.28	↓	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

PGZ-2&3

Location (Site/Facility Name) SRSNE
Well Number CPZ-2A Date 05/20/10
Field Personnel Ramati
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 7.31 / 22.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14.8
Purging Device; (pump type) 8080
Total Volume Purged 22575

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1000	6.05	12.5 / 2.5	75	5750	14.21	147	6.01	129.6	1.15	error	
1005	6.05	" "	75	6125	14.35	147	6.02	127.9	1.02	error	
1010	6.05	" "	75	6500	14.49	147	6.01	126.8	0.87	" "	
1015	6.04	" "	75	6875	14.48	146	6.02	126.3	0.86	" "	New Turb meter
1035	6.04	" "	75	7250	15.00	147	6.05	114.2	0.77	3.68	
1040	6.04	" "	75	7625	15.43	148	6.06	107.4	0.78	2.85	moved cell outlet down
1045	6.	" "	75	8000	No/8	148	6.08	107.5	0.80	2.34	
1050	6.04	" "	75	8375	16.29	148	6.10	107.0	0.80	2.26	
1055	6.04	" "	75	8750	16.60	149	6.10	108.6	0.84	2.49	
1100	6.04	" "	75	9125	15.72	148	6.07	110.5	0.87	2.85	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-2A Date 5/20/10
Field Personnel Remotti
Sampling Organization O'Brien, Inc.
Identify MP TOC.

Depth to 7.3 / 22.3 f screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14.8
Purging Device; (pump type) Bladder
Total Volume Purged 22875

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1105	6.04	12.5 / 2.5	75	9500	15.53	149	6.07	112.3	0.89	2.69	
1110	6.00	" "	75	9875	15.24	149	6.06	113.4	0.90	3.25	
1115	6.00	" "	75	10250	15.52	149	6.07	113.8	0.96	2.39	
1120	6.04	" "	75	10625	16.04	150	6.09	113.5	0.98	2.26	
1125	6.04	" "	75	17000	15.24	151	6.07	114.5	0.99	2.30	
1130	6.04	" "	75	17375	15.07	150	6.07	115.8	0.96	0.95	Sampled @ 1140
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-2R Date 5/18/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.26)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50'
Purging Device; (pump type) Bladder (OB087)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1425	3.05	12/3 d/m	50	0	11.11	565	7.36	247.1	0.79	37.2	
1430	3.27	12/3 d/m	50	250	11.13	566	7.40	240.2	0.73	33.4	
1435	3.49	12/3 d/m	50	500	11.16	566	7.43	235.6	0.67	36.7	
1440	3.61	12/3 d/m	50	750	11.20	566	7.45	230.1	0.56	32.5	
1445	4.02	12/3 d/m	50	1,000	11.23	567	7.48	227.4	0.47	27.6	
1450	4.49	12/3 d/m	50	1250	11.26	567	7.52	224.2	0.45	24.8	
1455	4.70	12/3 d/m	50	1.500	11.22	568	7.55	221.6	0.48	18.6	
1500	4.81	12/3 d/m	50	1.750	11.18	568	7.57	220.6	0.52	12.6	
1505	4.91	12/3 d/m	50	2.000	11.12	568	7.57	220.1	0.56	13.6	
1510	5.00	12/3 d/m	50	2.250	11.10	568	7.57	220.1	0.56	11.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-2R Date 5/18/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Cinetic) BTW; 2.26)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) bladder (08087)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1515	5.09	12/3 clm	50	2.500	11.08	568	7.58	219.3	0.58	13.7	
1520	9.17	12/3 clm	50	2.750	11.11	567	7.58	218.4	0.57	14.7	
1525	5.25	12/3 clm	50	3.000	11.13	567	7.59	217.7	0.56	15.4	
1530	5.32	12/3 clm	50	3.250	11.17	567	7.60	217.0	0.55	12.9	
1535	5.38	12/3 clm	50	3.500	11.22	567	7.62	216.0	0.52	14.2	
1540	5.44	12/3 clm	50	3.750	11.21	567	7.62	215.4	0.48	16.8	
1545	5.46	12/3 clm	50	4.000	11.20	567	7.62	215.4	0.46	18.9	
1550	5.46	12/3 clm	50	4.250	11.16	567	7.62	215.4	0.44	22.5	
1555	5.47	12/3 clm	50	4.500	11.14	567	7.62	215.5	0.42	26.6	
1600	5.47	12/3 clm	50	4.750	11.11	566	7.61	215.6	0.40	28.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-2R Date 5/18/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial otw: 2.26)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) Waterra (08087)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1605	5.47	12/3 clm	50	5.000	11.11	566	7.61	215.5	0.38	30.5	
1610	5.47	12/3 clm	50	5.250	11.09	567	7.62	215.0	0.36	28.2	
1615	5.48	12/3 clm	50	5.500	11.07	567	7.62	215.2	0.34	31.5	
1620	5.48	12/3 clm	50	5.750	11.04	566	7.62	215.6	0.34	29.8	
1625	5.48	12/3 clm	50	6.000	10.99	566	7.62	215.8	0.36	27.6	
1630	5.49	12/3 clm	50	6.250	10.96	560	7.62	215.2	0.36	26.3	
	Sampled	@	1635								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

15' 2.45 gal

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-3 Date 5/21/10
Field Personnel Chris Tomlinson
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW; 10.23)

Depth to 9.2 / 24.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.7
Purging Device; (pump type) Bladder (10216)
Total Volume Purged 9.750

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
855	10.58	12/3 clm	50	0	17.61	453	5.99	-35.7	8.83	189	
900	10.64	12/3 clm	50	0.250	17.60	468	6.04	-45.7	7.28	120	
905	10.73	12/3 clm	50	0.500	16.17	494	6.10	-49.8	6.00	78.9	
910	10.70	12/3 clm	50	0.750	15.31	509	6.16	-68.7	5.37	57.2	
915	10.61	12/3 clm	50	1.000	15.57	621	6.21	-59.8	5.12	52.5	
920	10.61	12/3 clm	50	1.250	17.03	633	6.29	-63.5	5.36	47.6	
925	10.61	12/3 clm	50	1.500	17.62	538	6.34	-58.6	5.36	42.5	
930	10.61	12/3 clm	50	1.750	18.05	541	6.39	-54.2	5.30	38.2	
935	10.60	12/3 clm	50	2.000	18.53	546	6.34	-58.9	5.16	34.7	
940	10.60	12/3 clm	50	2.250	18.96	550	6.35	-53.9	5.10	40.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-3 Date 5/21/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 10.23)

Depth to 9.2 / 24.2 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 16.7
Purging Device; (pump type) Bladder (10216)
Total Volume Purged 9.750

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
945	10.60	12/3 clm	100	2.750	16.92	570	6.38	-84.6	3.81	45.8	
950	10.60	12/3 clm	100	3.250	15.35	560	6.33	-86.7	3.26	38.3	
955	10.61	12/3 clm	100	3.750	15.36	561	6.32	-85.8	3.13	30.4	
1000	10.61	12/3 clm	100	4.250	15.31	563	6.34	-81.3	3.17	20.8	
1005	10.61	12/3 clm	100	4.750	15.63	567	6.37	-77.0	3.26	25.6	
1010	10.61	12/3 clm	100	5.250	15.74	570	6.37	-80.8	3.27	31.4	
1015	10.61	12/3 clm	100	5.750	15.95	572	6.36	-79.8	3.37	26.0	
1020	10.61	12/3 clm	100	6.250	16.11	574	6.35	-75.3	3.49	21.5	
1025	10.61	12/3 clm	100	6.750	16.05	576	6.37	-84.0	3.28	24.2	
1030	10.61	12/3 clm	100	7.250	16.14	576	6.36	-84.9	3.46	10.79	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-3 Date 5/21/2010
Field Personnel Chris Troutbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Tarlton NW: 10.23)

Depth to 9.2 12.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.7
Purging Device; (pump type) Bladder (10216)
Total Volume Purged 9.750

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1035	10.61	12/3 dm	100	7.750	16.33	578	6.37	-81.4	3.35	10.04	
1040	10.61	12/3 dm	100	8.250	16.51	578	6.35	-81.0	3.44	12.9	
1045	10.61	12/3 dm	100	8.750	16.80	580	6.35	-80.9	3.47	11.5	
1050	10.61	12/3 dm	100	9.250	16.83	580	6.35	-81.9	3.46	11.8	
1055	10.61	12/3 dm	100	9.750	16.78	580	6.35	-81.5	3.40	11.3	
	Sampled @ 1100										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number SPZ-3R Date 5/24/10
Field Personnel Sarah
Sampling Organization OEM, Inc
Identify MP TOC

Depth to 43.2 / 63.2 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 53.2
Purging Device; (pump type) 1025
Total Volume Purged 10650

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11.40 Start	7.06	11.5/3.5	50 750	750							
1150	10.54	11.5/3.5	50	1000	15.35	2297	7.04	14.0	0.94	88.1	
1200	10.95	11.5/3.5	50	1250	16.78	2244	7.07	0.4	0.79	77.2	
1205	11.08	11.5/3.5	50	1500	17.62	2193	7.07	5.0	0.76	82.2	
1210	11.35	11.5/3	50	1750	17.96	2136	7.07	3.9	0.79	68.9	
1215	11.45	" "	50	2000	18.12	2085	7.07	3.3	0.82	67.8	
1220	11.56	" "	50	2256	18.12	2056	7.07	4.6	0.84	66.3	
1225	1200	" "	50	2500	18.16	1893	7.07	11.2	0.99	49.8	
1230	12.08	" "	50	2750	18.25	1854	7.07	14.0	1.04	39.6	
1235	12.33	" "	50	3000	18.44	1791	7.07	17.6	1.14	26.9 22.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-3P Date
Field Personnel Smith
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 43.2 / 63.2 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 53.2
Purging Device; (pump type) Bladder
Total Volume Purged 10658

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1240	12.41	11.5/3.5	50	3250	18.42	1765	7.10	19.1	1.22	29.0	
1245	12.62	11.5/3.5	50	3500	18.44	1717	7.11	20.1	1.55	23.0	
1250	12.79	11.5/3.5	50	3750	18.52	1702	7.11	21.5	1.63	19.7	
1255	12.92	11.5/3.5	50	4000	18.60	1686	7.12	23.1	1.78	19.4	
1300	12.96	11.5/3.5	50	4250	18.70	1679	7.13	24.5	1.84	18.9	
1305	13.24	11.5/3.5	50	4500	18.77	1672	7.13	25.2	1.91	18.2	
1310	13.32	11.5/3.5	50	4750	18.68	1672	7.13	25.9	2.00	18.7	
1315	13.45	11.5/3.5	50	5000	18.73	1668	7.13	27.6	2.08	18.4	
1320	1361	11.5/3.5	50	5250	18.76	1666	7.13	29.1	2.14	18.1	
1325	13.75	11.5/3.5	50	5500	18.70	1668	7.13	30.5	2.15	17.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

PG 3 OF 3

Location (Site/Facility Name) SRSNE
Well Number CPZ-35 Date 5/24/10
Field Personnel Renatt
Sampling Organization OBM, Inc.
Identify MP TOC

Depth to 432 / 632 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 53.2
Purging Device; (pump type) 10230
Total Volume Purged 10650

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1330	13.84	11.5/3.5	~~11.5/3.5~~ 50	5750	18.77	1676	7.13	30.4	2.21	~~18.7~~	
1335	14.01	11.5/3.5	50	6000	18.72	1678	7.14	30.2	2.22	17.5	
1340	14.04	11.5/3.5	50	6250	18.44	1677	7.14	27.3	2.27	19.6	
1345	14.08	11.5/3.5	50	6500	18.38	1676	7.13	27.7	2.26	19.1	
1350		11.5/3.5	50	6750	~~18.54~~	1676	7.14	27.0	2.24	18.6	Sampled @ 1400
				3900							
Stabilization Criteria				10650	3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* Supplementary Sample *

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-3 Date 5/25/10
Field Personnel Parrott
Sampling Organization O'Brien & Gere, Inc
Identify MP TOC

Depth to 9.2 / 29.2 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 17.7
Purging Device; (pump type) 9646
Total Volume Purged 24450 1500

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1300	10.27	12/3	250	1250							Stop
1310	11.66	12/3	200	2250	13.43	507	7.03	-65.1	6.62	27.4	Start
1315	11.29	12/3	150	3000	12.69	540	6.59	-40.3	4.20	15.4	
1320	11.21	12/3	150	3750	13.60	554	6.53	-41.8	3.53	12.1	
1325	11.10	12/3	150	4500	13.87	576	6.51	-42.4	3.06	10.04	
1330	11.10	12/3	150	5250	14.11	577	6.51	-44.0	2.68	7.58	
1335	11.04	12/3	150	6000	14.29	582	6.50	-47.9	2.28	9.64	
1340	11.04	12/3	150	6750	14.32	583	6.50	-48.1	2.09	9.4	
1345	11.03	12/3	150	7500	16.31	580	6.52	-53.9	1.78	7.92	
1350	11.00	12/3	150	8250	16.38	582	6.53	-34.6	1.68	7.92	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* supplementary sample *

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ 3 Date 5/25/10
Field Personnel [illegible]
Sampling Organization O&M
Identify MP TOC

Depth to 9.2 / 24.7 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 16.7
Purging Device; (pump type) [illegible]
Total Volume Purged 1500

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1355	10.98	12/3	150	9000	16.03	584	6.53	-55.4	1.64	8.84	
1400	11.00	12/3	150	9750	16.01	584	6.58	-54.5	1.58	7.69	DO = 1.52
1405	11.01	12/3	150	10500	15.98	584	6.49	-53.6	1.45	7.92	
											Sup Sample Taken @ 1410 well sampled prior
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) Q. SPSNE
Well Number CQ2-41 Date 5/19/10
Field Personnel GC
Sampling Organization ARCADIS
Identify MP TIC (9.25') = Initial DTW

Depth to 8.3 / 23.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.3'
Purging Device; (pump type) BLADDER # 9445
Total Volume Purged 2.53 gal

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0920	9.30		100		11.35	489	6.24	34.7	10.84	51	
0925	9.39		50	100	12.21	466	6.28	20.3	9.97	56	
0930	9.31		50	350	11.33	412	6.39	-24.6	13.19	42	
0935	9.30		50	550	11.34	412	6.40	-24.4	10.76	33	
0940	9.31		50	750	11.37	413	6.45	-31.8	10.31	22	
0945	9.31		50	950	11.39	414	6.37	-33.2	10.09	17	
0950	9.31		50	1200	11.46	416	6.55	-42.5	9.99	24	
0955	9.32		50	1450	11.47	418	6.53	-42.9	9.91	20	
1000	9.32		50	1700	11.521	419	6.59	-47.0	8.23	22	
1005	9.32		50	1950	11.72	419	6.62	-49.1	6.26		
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

8.30

Location (Site/Facility Name) SRSNE
Well Number CPZ-4A Date 5/19/10
Field Personnel GC
Sampling Organization ARCADIS
Identify MP TIC

Depth to ~~8.23~~ / 23.30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.30'
Purging Device; (pump type) BLADDER # 9445
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1010	9.31		50	2200	12.16	418	6.63	-31.4	5.60	31	
1015	9.31		50	2450	12	418	6.66	-38.2	5.19	30	
1020	9.33		75	2825	12.36	418	6.67	-40.9	4.29	27	
1025	9.33		75	3200	12.79	419	6.67	-47.1	3.46	28	
1030	9.33		75	3575	12.12	421	6.67	-51.7	3.01	22	
1035	9.33		75	3950	11.89	421	6.67	-54.0	2.01	25	
1040	9.33		75	4325	11.87	423	6.67	-56.7	1.41	23	
1045	9.33		75	4700	11.85	423	6.67	-58.2	1.06	27	
1050	9.34		75	5075	11.83	425	6.68	-60.7	0.81	24	
1055	9.34		75	5450	11.88	425	6.68	-61.1	0.71	22	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SBSWF
Well Number CP2-4A Date 5/19/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 8.3 / 23.3 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 15.30
Purging Device; (pump type) BLADDER # 9445
Total Volume Purged 2.53 gal

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1050	9.33		75	5325	12.04	427	6.69	-61.4	0.39	23	
1105	9.33		75	6200	12.01	426	6.69	-61.7	0.37	22	
1110	9.33		75	6575	12.10	427	6.70	-59.6	0.33	24	
1115	9.33		75	6950	12.07	428	6.70	-62.1	0.21	22	
1120	9.33		75	7325	12.09	429	6.71	-62.2	0.18	21	
1125	9.33		75	7700	12.29	430	6.72	-64.0	0.12	20	
1130	9.33		75	8075	12.30	430	6.72	-63.9	0.13	21	
1135	9.33		75	8450	12.35	431	6.72	-64.4	0.11	21	
1140	9.33		75	8825	12.40	431	6.73	-65.2	0.12	22	
1145	9.33		75	9200	12.37	431	6.73	-66.1	0.11	21	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SPRING
Well Number CP2-4A Date 5/19/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 8.3 / 23.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.30'
Purging Device; (pump type) BLADDER # 9445
Total Volume Purged 2.53 gals

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1150	9.33		LOW	9575	12.39	432	6.74	-67.4	0.10	20	
	SAMPLE →										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-4R Date 5-19-10
Field Personnel A. Plaines
Sampling Organization O & M, Inc.
Identify MP TOR

Depth to 45.9 / 65.9 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 55.9
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 3.6 l

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0847	5.91	14/1	25								Begin Purging
0858	6.10	13/2	75		11.27	2040	7.32	301.4	9.84	37	
0910	6.70	13/2	50		11.05	2142	7.39	235.0	8.39	40	
0920	6.98				10.64	2283	7.49	172.6	5.61	32	
0930	7.23			1	10.58	2328	7.55	152.1	3.84	30	
0940	7.41				10.71	2379	7.57	152.6	3.42	24	
0950	7.51				10.87	2381	7.57	147.6	2.76	24	
1000	7.69				10.97	2386	7.56	142.7	2.63	24	
1010	7.77				11.01	2382	7.57	141.6	2.39	22	
1020	7.86		50	2	11.12	2370	7.57	134.4	2.28	26	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number CPZ-4R Date 5-19-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 45.9 / 65.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 55.9
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 3.6 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1030	7.98	13/2	50		10.93	2351	7.58	132.1	2.02	22	
1040	8.09			3	10.90	2314	7.58	129.9	1.80	20	
1050	8.15				10.99	2285	7.58	129.9	1.84	19	
1100	8.16			3.6	11.11	2264	7.58	126.5	1.84	17	
1105	SAMPLE TIME			CPZ-4R-051920	10						
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-5 Date 5/24/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 16.78)

Depth to 9.1 / 24.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 22
Purging Device; (pump type) Bladder (15751)
Total Volume Purged 6 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1400	16.64	12/3 dm	50	0	21.34	638	6.43	-78.9	0.35	196	
1405	16.81	12/3 dm	50	0.250	21.46	636	6.39	-84.4	0.13	214	
1410	16.83	12/3 dm	50	0.500	21.46	635	6.42	-98.0	0.11	187	
1415	16.92	12/3 dm	50	0.750	21.20	634	6.47	-105.7	0.12	156	
1420	16.88	12/3 dm	50	1.000	20.79	633	6.49	-108.1	0.13	124	
1425	16.91	12/3 dm	50	1.250	20.59	632	6.49	-110.5	0.13	101	
1430	16.93	12/3 dm	50	1.500	20.48	632	6.51	-110.4	0.12	83.1	
1435	16.81	12/3 dm	50	1.750	20.29	633	6.51	-110.5	0.10	69.4	
1440	16.91	12/3 dm	50	2.000	20.49	630	6.49	-110.8	0.11	51.8	
1445	16.99	12/3 dm	50	2.250	21.14	632	6.46	-110.0	0.11	39.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-5 Date 5/24/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 16.78)

Depth to 9.1 / 24.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 22
Purging Device; (pump type) Bladder (15751)
Total Volume Purged 6L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1450	16.85	12/3 clm	50	2.500	21.20	632	6.46	109.7	0.12	31.9	
1455	16.71	12/3 clm	50	2.750	21.06	634	6.45	109.9	0.12	25.7	
1500	16.83	12/3 clm	50	3.000	20.92	634	6.47	109.2	0.11	24.6	
1505	16.76	12/3 clm	50	3.250	20.99	632	6.42	108.9	0.12	18.5	
1510	16.81	12/3 clm	50	3.500	20.93	633	6.43	108.4	0.12	15.3	
1515	16.78	12/3 clm	50	3.750	20.81	632	6.42	108.3	0.12	11.7	
1520	16.82	12/3 clm	50	4.000	20.70	632	6.42	108.2	0.14	10.03	
1525	16.88	12/3 clm	50	4.250	20.43	633	6.45	108.1	0.15	11.5	
1530	17.00	12/3 clm	50	4.500	20.12	631	6.42	107.2	0.16	12.7	
1535	16.83	12/3 clm	50	4.750	20.14	631	6.42	107.7	0.15	15.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-S Date 5/24/2010
Field Personnel Chris Troubridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 16.78)

Depth to 9.1 / 24.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 22
Purging Device; (pump type) bladder (5751)
Total Volume Purged 6 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1540	17.01	12/3 clm	50	5.000	20.46	631	6.43	-109.1	0.18	17.9	
1545	16.73	12/3 clm	50	5.250	20.66	631	6.43	-109.3	0.16	15.1	
1550	16.85	12/3 clm	50	5.500	20.64	632	6.42	-110.2	0.15	13.2	
1555	16.93	12/3 clm	50	5.750	20.34	631	6.41	-107.9	0.15	14.5	
1600	16.84	12/3 clm	50	6.000	20.13	631	6.40	-106.5	0.15	14.1	
	Sampled @		1600								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number CPZ 5R Date 5/4/10
Field Personnel Pete Butler
Sampling Organization Odm
Identify MP

Depth to 42 / 62 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52
Purging Device; (pump type) Microperge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1020	15.35	4	50	4850	17.24	338	7.79	67.3	0.94	38.3	
1025	15.48	4	50	5100	17.45	340	7.78	53.7	0.94	37.1	
1030	15.67	4	50	5350	16.88	349	7.80	21.8	0.79	31.5	28.3
1035	15.80	4	50	5600	16.96	349	7.80	5.2	0.74	28.3	
1040	15.92	4	50	5850	16.94	350	7.81	0.5	0.80	28.4	
1045	16.05	4	50	6100	16.70	353	7.82	-2.8	0.64	28.7	
1050	16.21	4	50	6350	16.59	354	7.83	-6.6	0.59	27.6	
1055	16.30	4	50	6600	16.84	355	7.82	-11.6	0.57	24.9	Sampled
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

Pump #
1 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number CPZ-59 SR Date 5/21/10
Field Personnel Pete Butler
Sampling Organization O&M
Identify MP

Depth to 42 / 62 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52
Purging Device; (pump type) micropurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0830	9.45	4	50								Sub pump / Rate / fill cell
0845	10.85	4	50	100	15.68	330	6.41	165.7	6.22	40.1	
0850	11.29	4	50	350	15.04	329	6.98	154.6	3.11	57.7	
0855	11.55	4	50	600	15.49	327	6.96	168.6	2.92	35.7	
0900	11.97	4	50	850	16.08	328	7.10	155.8	2.35	61.5	
0905	12.28	4	50	1100	16.41	328	7.21	155.6	2.14	79.9	
0910	12.57	4	50	1350	16.45	329	7.29	165.4	2.12	82.5	
0915	12.88	4	50	1600	16.33	329	7.39	158.9	1.91	85.6	
0920	13.18	4	50	1850	16.14	329	7.47	154.4	1.71	86.4	
0925	13.44	4	50	2100	16.02	330	7.52	152.3	1.59	69.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number CPZ ~~-5~~ 5R Date 5/21/10
Field Personnel Pete Butler
Sampling Organization O&M
Identify MP

Depth to 42 / 62 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52
Purging Device; (pump type) Micro purge bladde
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	13.68	4	50	2350	15.88	330	7.58	146.4	1.49	42.5	
0935	13.91	4	50	2600	16.09	329	7.61	156.2	1.40	62.2	
0940	14.16	4	50	2850	16.26	329	7.64	160.1	1.34	54.4	
0945	14.35	4	50	3100	16.42	330	7.68	157.9	1.29	47.5	
0950	14.55	4	50	3350	16.50	330	7.70	155.3	1.30	50.0	
0955	14.65	4	50	3600	16.45	330	7.73	149.9	1.27	47.3	
1000	14.81	4	50	3850	16.66	331	7.74	152.0	1.25	48.5	
1005	14.96	4	50	4100	16.86	331	7.76	134.0	1.22	34.8	
1010	15.05	4	50	4350	17.24	331	7.76	121.4	1.13	41.8	rate ↓ ↑ Pressur
1015	15.28	4	50	4600	17.11	337	7.80	79.6	1.04	33.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

2.45 gpm

15

pg 1 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-6 Date 5/24/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial RTW: 4.38)

Depth to 10.2 / 25.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17
Purging Device; (pump type) Bladder (15728)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
955	4.64	12/3 dm	50	0	19.12	725	6.57	-2.3	5.48	Too high	>1000
1000	4.64	12/3 dm	100	0.500	15.76	706	6.07	-44.1	1.04	>1000	
1005	4.66	12/3 dm	100	1.000	16.02	703	5.98	-42.1	0.79	>1000	
1010	4.66	12/3 dm	100	1.500	17.09	702	6.07	-50.4	0.52	>1000	
1015	4.66	12/3 dm	100	2.000	18.42	705	6.32	-71.4	0.31	>1000	
1020	4.66	12/3 dm	100	2.500	18.89	707	6.32	-73.1	0.27	>1000	
1025	4.66	12/3 dm	100	3.000	20.04	709	6.25	-75.1	0.20	>1000	
1030	4.66	12/3 dm	100	3.500	19.93	708	6.19	-73.0	0.20	>1000	
1035	4.66	12/3 dm	100	4.000	20.09	707	6.17	-70.8	0.16	>1000	
1040	4.66	12/3 dm	100	4.500	20.75	712	6.31	-67.9	0.14	713	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNF
Well Number CPZ-6 Date 5/24/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 4.36)

Depth to 10.2 / 25.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17
Purging Device; (pump type) bladder (15728)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1045	4.66	12/3 clm	100	5.000	21.49	715	6.30	-67.0	0.13	629	
1050	4.66	12/3 clm	100	5.500	21.53	718	6.27	-65.6	0.13	348	
1055	4.66	12/3 clm	100	6.000	21.56	717	6.27	-64.9	0.13	189	
1100	4.66	12/3 clm	100	6.500	21.37	722	6.17	-69.9	0.08	189	
1105	4.66	12/3 clm	100	7.000	19.83	724	6.05	-69.7	0.11	156	
1110	4.66	12/3 clm	100	7.500	20.36	720	6.01	-69.0	0.13	175	
1115	4.66	12/3 clm	100	8.000	20.39	722	6.02	-69.3	0.17	166	
1120	4.66	12/3 clm	100	8.500	20.97	721	6.00	-70.2	0.16	159	
1125	4.66	12/3 clm	100	9.000	21.69	720	5.99	-71.4	0.17	167	
1130	4.66	12/3 clm	100	9.500	21.90	724	6.01	-71.2	0.17	173	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-6 Date 5/24/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 4.36)

Depth to 10.2 / 25.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17
Purging Device; (pump type) Bladder (15728)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1135	4.66	12/3 dm	100	10.000	20.19	727	5.98	-72.7	0.16	191	
1140	4.66	12/3 dm	100	10.500	20.13	728	5.99	-72.0	0.16	166	
1145	4.66	12/3 dm	100	11.000	20.27	727	6.02	-72.8	0.17	173	
1150	4.66	12/3 dm	100	11.500	20.49	727	6.05	-73.5	0.17	184	
1155	4.66	12/3 dm	100	12.000	20.96	730	6.08	-75.2	0.17	177	
		Sample @ 1200									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/3

Location (Site/Facility Name) SRSNE
Well Number CPZ-6A Date
Field Personnel John Lagoudes
Sampling Organization GM, demexi/MIS
Identify MP TOR

Depth to 9.1 / 24.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.6
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:35	7.68	13.5/1.5									Begin Purge.
10:40	8.02	14/1	50	0.25	16.03	1628	6.60	-38.6	4.18	15.9	
10:45	7.99	14/1	50	0.50	16.62	1616	6.60	-39.4	2.97	14.1	
10:50	7.96	"	"	0.75	16.91	1622	6.61	-41.6	2.55	13.4	
10:55	7.98	"	"	1	17.07	1628	6.62	-42.6	2.34	12.0	
11:00	7.98	"	"	1.25	17.14	1627	6.62	-47.6	2.14	10.5	
11:05	7.98	"	"	1.50	17.23	1628	6.63	-48.4	2.00	11.4	
11:10	8.00	"	"	1.75	17.21	1631	6.63	-49.8	1.88	9.43	
11:15	7.99	"	"	2	17.15	1633	6.63	-48.9	1.77	10.71	
11:25	8.02	"	"	2.50	16.84	1634	6.63	-52.0	1.59	10.45	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

2.45

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/3

Location (Site/Facility Name) SRSNE
Well Number CPZ-6A Date 05/20/2010
Field Personnel J. Legvadès
Sampling Organization O.m. demarmès
Identify MP TOR

Depth to 9.1 / 24.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.6
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11:35	8.05	14 #1	50	3	16.65	1634	6.63	-52.2	1.41	9.33	
11:45	8.05	14/1	50	3.50	16.81	1628	6.64	-55.2	1.31	6.43	
11:50	8.04	"	"	3.75	16.94	1627	6.64	-54.5	1.29	5.97	
11:55	8.05	"	"	4.00	17.12	1629	6.64	-54.1	1.29	6.25	
12:00	8.05	"	"	4.25	17.01	1629	6.64	-55.6	1.30	5.55	
12:05	8.06	"	"	4.50	16.91	1630	6.63	-55.9	1.31	4.70	
12:10	8.09	"	"	4.75	16.75	1628	6.63	-56.1	1.30	6.55	
12:15	8.10	"	"	5	16.67	1632	6.63	-55.4	1.31	6.00	
12:20	8.10	"	"	5.25	16.53	1629	6.63	-57.2	1.33	5.89	
12:25	8.10	"	"	5.50	16.58	1626	6.63	-57.7	1.28	5.89	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number CPZ-6A Date 05/20/2010
Field Personnel J. Laygoudes
Sampling Organization O'M, Demaximis
Identify MP TOR

Depth to 9.1 / 24.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.6
Purging Device; (pump type) Bladder I.D.# 10923
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
12:30	8.10	14	50	5.75	16.60	1628	6.63	-57.3	1.27	5.19	
12:35	8.10	"	"	6.00	16.64	1627	6.64	-57.6	1.26	4.70	
12:40	8.10	"	"	6.25	16.53	1625	6.63	-57.1	1.25	4.31	parameters stable.
12:45			Sample time								
			Ended sampling at				13:50				
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-6R Date 5/6/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TOC (5.50 = Initial DTW)

Depth to 50.1 / 70.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60.10'
Purging Device; (pump type) Bladder ~~& QED~~
Total Volume Purged 3.50 gals.

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1450	5.80		150		13.70	774	6.83	-19.3	0.05	26	
1455	5.71		100	750	13.98	784	6.75	-21.2	0.05	38	
1500	5.71		100	~~1250~~		SEE	NOTE				
1505	5.72		100	1250 ~~1750~~	14.17	840	6.77	-27.4	0.11	37	
1530	5.73		100	1750	13.92	873	6.73	-29.5	0.10	17.7	
1535	5.71		100	2250	13.87	929	6.67	-38.6	0.08	16.8	
1540	5.71		100	2750	13.78	947	6.63	-42.1	0.07	14.9	
1545	5.70		100	3250	14.11	960	6.60	-47.1	0.07	12.7	
1550	5.71		100	3750	14.74	957	6.61	-49.6	0.08	11.1	
1555	5.71		100	4250	14.10	925	6.61	-50.1	0.03	11.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

NOTE: Bladder pump malfunctioned. Pump pulled. Reassembled and put back down well.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-6R Date 5/19/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 50.1 / 70.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 60.10'
Purging Device; (pump type) Bladder # 08007
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1600	5.71		100	4750	13.80	912	6.62	-53.8	0.04	9.2	
1605	5.71		100	5250	13.80	912	6.63	-57.1	0.04	9.6	
1610	5.71		100	5750	13.28	905	6.62	-59.6	0.04	7.1	
1615	5.71		100	6250	13.17	892	6.62	-60.8	0.05	8.6	
1620	5.71		100	6750	13.37	884	6.64	-64.7	0.04	8.7	
1625	5.71		100	7250	13.01	866	6.65	-67.2	0.04	8.8	
1630	5.71		100	7750	12.89	866	6.66	-67.3	0.04	9.1	
1635	5.71		100	8250	12.74	865	6.66	-67.5	0.05	8.2	
1640	5.71		100	8750	12.81	866	6.68	-71.6	0.05	8.4	
1645	5.71		100	9250	12.80	867	6.69	-71.6	0.04	8.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Pg 3 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) (LFM) SPRING
Well Number CP2-6A Date 5/19/10
Field Personnel EC
Sampling Organization AREADS
Identify MP TIC

Depth to 50.1 / 70.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60.10
Purging Device; (pump type) Bladder # 08087
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1650	5.71		100	9750	12.59	865	6.69	-70.8	0.05	7.2	
1655	↓		100	10250	12.37	862	6.69	-70.9	0.04	7.7	
1700			100	10750	12.37	8.61	6.69	-71.0	0.04	7.1	
1705			100	11250	12.51	860	6.70	-73.6	0.05	6.7	
1710			100	11750	12.70	860	6.70	-75.1	0.06	7.3	
1715			100	12250	12.71	860	6.70	-75.4	0.05	7.0	
1720			100	12750	12.70	861	6.69	-75.9	0.06	7.0	
1725	↓		100	13250	12.72	861	6.70	-75.8	0.06	7.1	
	6 pumps										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

* Supplement Sample * of CPZ-6

Location (Site/Facility Name) SRSNE
Well Number CPZ-6 Date 5-25-10
Field Personnel D. Garrigan
Sampling Organization ont
Identify MP Top of Riser

Depth to 10.2' / 25.2' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17.7' BMP
Purging Device; (pump type) Sample Pro Bladder ID*
Total Volume Purged 6.0 L 15728

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
											Initial Reduced Pressure
1320	4.23	4 GPM / 10 PSI	~75	<1	Cell Filling						Checked Flow Rate Through Cell 50 mL/min
1325	4.69	4 GPM / 7 PSI	50	<1	"	"					Checked Flow Through cell 50 mL/min
1330	4.68	"	"	"	19.12	722	6.41	7.5	1.22	162	
1335	4.76	"	"	"	18.76	719	6.46	-1.5	0.99	150	
1340	4.81	"	100	1.00	17.59	717	6.45	-9.3	0.80	162	Checked Flow Rate Through cell 100 mL/min Reduced Press.
1345	4.78	"	50	1.25	18.53	713	6.53	-11.0	0.74	172	Checked Flow Rate Through cell 50 mL/min
1350	4.80	"	"	1.50	18.44	716	6.57	-12.4	0.70	129	
1355	4.89	"	"	1.75	18.10	720	6.53	-14.6	0.66	125	Checked Flow Rate Through cell 50 mL/min
1400	4.93	"	"	2.00	17.76	719	6.53	-17.3 ~~-17.3~~	0.63	129	
1405	4.98	"	"	2.25	16.76	723	6.63	-19.0	0.59	125	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

‡ Removed transducer @ ~ 1300 Hrs.
Replaced " " ~ 1550 Hrs.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-6 Date 5-25-10
Field Personnel D. Corrigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 10.2 / 25.2 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17.7 'BMP
Purging Device; (pump type) Bladder
Total Volume Purged 6.0L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1410	5.05	4 CPM / 7 PSI	50 ml	2.50	16.84	722	6.62	-20.0	0.56	114	
1415	5.05	"	"	2.75	16.93	723	6.64	-19.8	0.54	109	
1420	5.05	"	"	3.00	16.54	728	6.64	-20.8	0.54	107	
1425	5.10	"	"	3.25	16.32	729	6.65	-21.9	0.52	116	Checked Flow Through Cell 50 mL/min
1430	5.10	"	"	3.50	16.54	728	6.66	-21.7	0.49	104	
1435	5.10	"	"	3.75	16.55	730	6.70	-20.1	0.48	91.3	
1440	5.10	"	"	4.00	16.78	733	6.71	-20.3	0.46	103.8	
1445	5.10	"	"	4.25	16.93	733	6.72	-18.6	0.46	108.6	
1450	5.10	"	"	4.50	17.93	733	6.73	-14.6	0.46	96.7	
1455	5.10	"	"	4.75	17.97	732	6.74	-12.0	0.45	108.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-6 Date 5-25-10
Field Personnel D. Garrigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 10.2' / 25.2' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17.7' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 6.0L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1500	5.10	4CPM / 7PSI	50	5.00	18.05	737	6.73	-10.9	0.45	124	
1505	5.10	"	"	5.25	17.91	740	6.71	-10.6	0.45	86.3	
1510	5.11	"	"	5.50	17.69	741	6.68	-14.9	0.45	87.7	
1515	5.12	"	"	5.75	17.72	740	6.67	-15.3	0.43	85.4	Condition 5
1520	5.12	"	"	6.00	17.75	740	6.67	-12.9	0.43	83.1	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

3.26 gal

860-645-1090

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1 Screen Volume @ 20' Screen 3.26 gallons Head Space - Not Taken - well open

Location (Site/Facility Name) SRSNE
Well Number CPZ-7 Date 5-21-10
Field Personnel D. Gerrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 3.9' / 23.9' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 13.9' BMP
Purging Device; (pump type) Sample Pro Bladder Pump ID # 12752
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0820	1 6.48'	4cpm / 10PSI	150	2.1	Cell Filling		Adjusted Pressure lower				Initial
0825	6.58	"	"	2.1	Cell	"					Water is yellow/Brown with Little odor
0830	6.58	"	75	2.1	12.99	292	6.19	11.7	1.04	8.26	Checked Flow rate through cell
0835	6.58	"	"	1.00	13.06	292	6.24	3.3	0.92	16.4	Increase pressure 125 ml/min Through cell
0840	6.62	4cpm / 11PSI	125	1.75	12.91	297	6.30	-12.0	0.69	8.21	
0845	6.62	"	125	2.25	12.73	299	6.35	-37.7	0.53	6.17	Increased Pressure
0850	6.67	4cpm / 12PSI	150	2.75	12.42	303	6.37	-54.3	0.41	4.60	Flow Rate Through cell 150 ml/min
0855	6.68	"	150	3.50	12.38	301	6.38	-66.2	0.31	4.74	water Clear, No Odor
0900	6.75	"	"	4.00	12.52	301	6.39	-72.3	0.30	4.81	Reduced Pressure
0905	6.74	4cpm / 11PSI	100	5.00	12.73	300	6.40	-76	0.31	4.99	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1 - this well is ~ 21' From a Recovery well RW-11.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number CPZ-7 Date 5-21-16
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 3.9' / 23.9' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 13.9' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	6.79	4CPM / 10PSI	100	6.00	12.97	302	6.40	-76.8	0.30	4.99	Reduced Pressure.
0915	7.02	"	75	7.00	12.20	306	6.38	-95.9	0.28	5.46	
0920	7.01	"	"	7.25	12.44	302	6.39	-73.7	0.27	6.21	Reduced Pressure.
0925	7.20	"	"	7.50	12.66	304	6.39	-76.7	0.30	10.31	Checked Flow Rate Through Cell. ~50 mL/min *
0930	7.16	"	35	7.75	13.11	303	6.39	-76.8	0.30	18.1	
0935	7.68	"	"	8.00	13.77	304	6.39	-73.6	0.34	14.3	Checked Flow Rate Through cell ~35 mL/min. Increased Pressure & Checked Flow Rate Through cell 100 mL/min
0940	6.91	"	80	8.25	14.51	305	6.40	-74.7	0.39	13.2	Checked Flow Through cell 65 mL/min. Pressure Not Changed
0945	6.97	"	50	8.75	13.34	305	6.39	-81.7	0.42	7.39	
0950	7.08	"	60	9.25	13.53	303	6.39	-80.4	0.40	6.99	Checked Flow Rate Through cell 50 mL/min. Pressure Not Changed
0955	7.15	"	"	9.50	13.73	303	6.39	-78.2	0.40	6.32	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* Flow Rate increase & Decreases w/o operator in between Readings. Pressure regulator may not hold steady @ low pressure settings.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7 Date 5-21-2010
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 3.9' / 23.9' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 13.9' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1000	7.20	4 rpm / 10 PSI	50	9.75	14.12	304	6.39	-75.6	0.42	8.15	Checked Flow Rate through cell. 60 mL/min
1005	7.30	"	60	10.25	14.21	304	6.39	-77.1	0.42	7.21	Checked Flow Through Cell 60 mL/Min
1010	7.32	"	70	10.50	14.46	303	6.39	-76.9	0.47	5.38	
1015	7.35	"	60	11.25	14.16	306	6.39	-80.0	0.50	4.91	
			210% Drawdown								
1020	7.44	"	66	11.50	13.70	306	6.38	-81.9	0.49	5.42	
1025	7.50	"	75	11.75	13.89	304	6.38	-78.7	0.47	5.78	Checked Flow Through Cell ~75 mL/min No change in pressure
1030	7.65	"	"	12.25	14.05	304	6.38	-78.6	0.47	6.05	Checked Flow Rate through cell ~75 mL/min
			Reached 1 Screen Volume								
1035	7.71	"	"	13.00	14.04	305	6.38	-80.0	0.48	6.51	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number ~~GP~~ CPZ-7 Date 5-21-10
Field Personnel D. Garvigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 3.9' / 23.9' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 13.9' BMP
Purging Device; (pump type) Bladder
Total Volume Purged _____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	7.68	4CPM / 1.4PSI	75	13.25	14.09	304	6.38	-85.1	0.48	5.19	Checked Flow Rate Through well ~75 mL/min
1045	7.60	"	"	13.50	13.77	306	6.76	-83.3	0.51	5.42	
1050	7.55	"	"	14.00	13.79	305	6.36	-81.9	0.52	6.05	
1055	7.66	"	"	14.50	13.78	304	6.36	-82.1	0.53	5.09	
1100	7.79	"	"	15.00	13.93	303	6.36	-79.4	0.53	7.86	
1105	7.85	"	"	15.50	14.57	305	6.36	-75.0	0.53	6.45	Collect Sample Condition 3
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7R Date 5/25/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.59)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) bladder (11269)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
900		pump	backflowing into well								
920	2.69	12/3 clm	75	0	20.06	750	6.53	28.8	5.31	23	
925	2.92	12/3 clm	50	0.300	19.91	805	6.46	29.4	3.73	35	
930	3.41	12/3 clm	50	0.~~350~~ 550	18.98	816	6.45	49.4	3.68	39	
935	3.65	12/3 clm	50	0.~~500~~ 800	18.89	844	6.44	52.0	4.64	50	
940	3.84	12/3 clm	50	1.050	18.75	852	6.44	40.2	5.96	50	
945	4.01	12/3 clm	50	1.300	18.77	855	6.43	29.2	5.91	45	
950	4.21	12/3 clm	50	1.550	18.86	859	6.45	15.7	5.43	45	
955	4.27	12/3 clm	50	1.800	18.96	861	6.43	11.2	5.17	43	
1000	4.35	12/3 clm	50	2.050	19.11	863	6.43	7.4	4.92	41	sup sampled @ 1005
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7R Date 5/25/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.59)

Depth to 40.1 / 60.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) bladder (11269)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1020	4.94	12/3 clm	50	2.300	19.67	866	6.48	-2.8	5.26	29	
1025	4.85	12/3 clm	50	2.550	19.40	867	6.47	-4.0	6.10	33	
1030	4.76	12/3 clm	50	2.800	19.84	869	6.48	-5.4	6.54	26	
1035	4.84	12/3 clm	50	3.050	20.49	875	6.50	-2.6	6.52	23	
1040	4.75	12/3 clm	50	3.300	20.72	880	6.51	-6.5	6.35	19	
1045	4.83	12/3 clm	50	3.550	20.77	885	6.51	-12.3	5.81	13	
1050	4.77	12/3 clm	50	3.800	20.97	889	6.52	-12.8	5.91	13	
1055	4.76	12/3 clm	50	4.050	21.00	895	6.52	-16.4	5.82	13	
1100	4.76	12/3 clm	50	4.300	21.15	897	6.53	-17.4	5.57	12	
1105	4.70	12/3 clm	50	4.550	21.63	901	6.53	-23.9	5.48	12	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7R Date 5/25/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.59)

Depth to 40.1 / 60.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) bladder (1209)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1110	4.71	12/3 dm	50	4.800	21.45	910	6.53	-32.8	5.32	12	
1115	4.71	12/3 dm	50	5.050	22.22	909	6.54	-23.7	5.07	12	
1120	4.72	12/3 dm	50	5.300	22.95	912	6.57	-34.8	4.92	11	
1125	4.72	12/3 dm	50	5.550	23.12	914	6.59	-37.3	4.81	9.6	
1130	4.72	12/3 dm	50	5.800	23.14	914	6.60	-41.9	4.67	8.7	
1135	4.72	12/3 dm	50	6.050	23.13	914	6.61	-51.4	4.24	7.9	
1140	4.72	12/3 dm	50	6.300	23.11	914	6.60	-54.3	4.02	7.7	
1145	4.72	12/3 dm	50	6.550	23.02	914	6.61	-56.5	3.43	8.5	
1150	4.72	12/3 dm	50	6.800	22.91	914	6.61	-58.3	2.51	8.1	
1155	4.72	12/3 dm	50	7.050	22.92	914	6.60	-60.4	2.11	7.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-7R Date 5/25/2010
Field Personnel Chris TrowBridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW:)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) Bladder (11269)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1200	4.72	12/3 clm	50	7.300	22.93	913	6.60	-62.7	1.71	6.1	
1205	4.72	12/3 clm	50	7.550	23.06	913	661	-59.2	1.57	5.6	
1210	4.72	12/3 clm	50	7.800	22.96	913	6.60	-70.8	1.22	5.9	
1215	4.72	12/3 clm	50	8.050	22.85	914	6.60	-79.7	1.00	6.4	
1220	4.72	12/3 clm	50	8.300	22.85	915	6.59	-74.3	0.91	6.7	
1225	4.72	12/3 clm	50	8.550	23.18	913	6.59	-66.9	0.89	7.1	
1230	4.72	12/3 clm	50	8.800	23.16	914	6.60	-62.8	0.86	6.5	
1235	4.72	12/3 clm	50	9.050	23.81	915	6.62	-60.5	0.83	6.3	
1240	4.73	12/3 clm	50	9.300	24.02	917	6.62	-76.2	0.72	6.8	
1245	4.72	12/3 clm	50	9.550	24.09	918	6.62	-75.9	0.70	6.5	switching to 8 min int.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SPSNE
Well Number CP2-7R Date 5/25/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.59)

Depth to 40.1 / 60.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) bladder (11269)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1250	4.72	2/3 clm	50	9.800	24.44	919	6.63	-76.0	0.63	6.6	
1255	4.72	2/3 clm	50	10.050	24.59	924	6.63	-83.5	0.59	7.3	
1300	4.72	2/3 clm	50	10.300	24.48	925	6.63	-87.9	0.57	6.9	
1305	4.72	2/3 clm	50	10.550	24.32	926	6.63	-90.5	0.53	6.6	
1310	4.72	2/3 clm	50	10.800	24.43	925	6.63	-93.1	0.53	6.2	
1315	4.72	2/3 clm	50	11.050	23.57	930	6.62	-100.4	0.48	5.7	
1320	4.72	2/3 clm	50	11.300	23.39	930	6.61	-104.2	0.46	5.4	
1325	4.72	2/3 clm	50	11.550	22.02	928	6.60	-105.1	0.41	5.8	
1330	4.72	2/3 clm	50	11.800	21.88	925	6.59	-102.4	0.41	6.1	
1335	4.72	2/3 clm	50	12.050	21.86	919	6.57	-98.6	0.40	5.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7R Date 5/25/10
Field Personnel Chris Tomlinson
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 2.59)

Depth to 40.1 / 60.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) Bladder (1269)
Total Volume Purged 12.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1340	4.72	2/3 dm	50	12.300	22.05	919	6.58	-90.9	0.39	5.1	
		Sampled @		1345							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

** Supplementary Sample **

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-7 Date 5/25/2008
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 8.20)

Depth to 3.9 / 23.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 20
Purging Device; (pump type) Bladder (4198)
Total Volume Purged 3.500

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
13:08	8.42	10/5 dm	[illegible]	0	14.91	333	5.39	-5.0	3.14	65	
13:13	8.55	10/5 dm	100	0.500	15.28	331	5.25	-13.0	2.91	42	
13:18	8.74	10/5 dm	100	1.000	14.91	332	5.14	-34.6	2.08	27	
13:23	8.83	10/5 dm	100	1.500	14.73	334	5.23	-46.7	1.77	16	
13:28	8.91	10/5 dm	100	2.000	14.29	335	5.26	-54.0	1.65	6.5	
1333	8.95	10/5 dm	100	2.500	14.16	334	5.22	-57.5	1.57	6.1	
1338	9.01	10/5 dm	100	3.000	14.18	335	5.22	-59.1	1.50	5.7	
1343	9.04	10/5 dm	100	3.500	14.25	335	5.24	-63.1	1.43	5.3	
		sampled @ 1348									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 ppm

Location (Site/Facility Name) SRSNE
Well Number CPZ-8 Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 10.5' / 20.5' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.5' BMP
Purging Device; (pump type) Sample Pro Bladder Pump #
Total Volume Purged 11269

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0845	8.61	4cpm / 15psi	250	2 1.0	Cell	Filling	—	—	—	—	Initial
0850	8.64	"	150	"	"	"	—	—	—	—	Not Through Cell 150 mL/min
0855	8.67	"	100	"	11.08	353	6.13	80.8	1.20	269	Flow Rate Through Cell 100 mL/min
0900	8.68	"	"	~1.75	10.87	357	6.23	48.3	0.88	181	Yellow/white Color No Odor, Few Suspended Solids
0905	8.67	"	"	1.30	10.82	359	6.34	34.8	0.77	146	
0910	8.69	"	"	1.80	10.76	363	6.38	24.1	0.66	105	Checked Flow Rate Through Cell, 125 mL/min
0915	8.67	"	125	2.42	10.68	366	6.41	13.4	0.56	82	
0920	8.67	"	"	3.00	10.68	367	6.43	6.7	0.50	65	
0925	8.68	"	"	3.60	10.68	367	6.45	-0.1	0.49	51	
0930	8.68	"	"	4.20	10.73	367	6.47	-5.6	0.40	44	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-8 Date 5-19-10
Field Personnel D. Corrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 10.5' / 20.5' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.5' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0935	8.67	4 cpm / 15 Hz	125	4.80	10.71	368	6.49	-8.3	0.37	39	
0940	8.65	"	"	5.40	10.67	369	6.49	-10.3	0.35	32	
0945	8.66	"	"	6.00	10.75	369	6.51	-14.1	0.37	28	
0950	8.67	"	"	6.60	10.75	369	6.52	-18.2	0.38	26	
0950	8.67	"	"	7.20	10.95	368	6.53	-21.4	0.49	25	
0955	8.65	"	"	7.80	10.94	370	6.53	-24.2	0.50	22	
1000	8.65	"	"	8.40	10.95	369	6.53	-25.7	0.49	21	Condition 3
1005	9.66	"	"	9.00	10.94	369	6.53	-26.0	0.48	22	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-10 Date 5/18/10
Field Personnel Chris Tawbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial pTW: 3.47)

Depth to 9.1 / 19.1 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 14.1
Purging Device; (pump type) bladder (10274)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
900	3.49	12/3 clm	100	0	10.87	616	7.10	182.9	14.91	926	
905	3.49	12/3 clm	100	.5	10.82	615	7.16	183.9	14.96	806	
910	3.49	12/3 clm	100	1.0	10.77	615	7.22	182.3	14.29	629	
915	3.49	12/3 clm	100	1.5	10.80	615	7.18	186.2	13.93	329	
920	3.49	12/3 clm	100	2.0	10.80	615	7.19	187.3	13.47	349	
925	3.49	12/3 clm	100	2.5	10.75	613	7.18	194.3	13.87	219	
930	3.49	12/3 clm	100	3.0	10.77	613	7.16	194.5	13.09	200	
935	3.49	12/3 clm	100	3.5	10.81	614	7.16	194.8	12.35	187	
940	3.49	12/3 clm	100	4.0	10.85	615	7.16	194.9	11.72	197	
945	3.49	12/3 clm	100	4.5	10.75	615	7.17	195.5	11.32	129	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-10 Date 10/18/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 3.47)

Depth to 9.1 / 19.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14.1
Purging Device; (pump type) bladder (10234)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
950	3.49	12/3 c/m	100	5.0	10.73	614	7.17	196.0	11.09	126	
955	3.49	12/3 c/m	100	5.5	10.60	614	7.17	196.8	10.56	124	
1000	3.49	12/3 c/m	100	6.0	10.89	614	7.19	197.1	9.83	124	
1005	3.49	12/3 c/m	100	6.5	10.67	614	7.17	198.9	8.73	88.4	
1010	3.49	12/3 c/m	100	7.0	10.70	613	7.14	199.4	8.05	69.5	
1015	3.49	12/3 c/m	100	7.5	10.73	612	7.17	200.3	7.22	81.8	
1020	3.49	12/3 c/m	100	8.0	10.86	613	7.20	200.0	6.25	71.4	
1025	3.49	12/3 c/m	100	8.5	10.75	614	7.18	200.6	5.94	66.2	
1030	3.49	12/3 c/m	100	9.0	10.74	612	7.17	203.0	5.04	51.7	
1035	3.49	12/3 c/m	100	9.5	10.70	612	7.16	204.0	4.91	44.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CP2-10 Date 5/18/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 3.47)

Depth to 9.1 / 19.1 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14.1
Purging Device; (pump type) bladder (10234
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	3.49	12/3 dm	100	10	10.66	612	7.16	205.1	4.58	38.5	
1045	3.49	12/3 dm	100	10.5	10.61	612	7.15	205.8	4.32	34.8	
1050	3.49	12/3 dm	100	11.0	10.60	612	7.15	206.4	4.23	37.0	
1055	3.49	12/3 dm	100	11.5	10.60	612	7.16	206.6	4.14	33.2	
1100	3.49	12/3 dm	100	12.0	10.60	612	7.16	207.0	4.02	33.6	
	Sampled @		1105								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-10R Date 5/18/16
Field Personnel EC
Sampling Organization ARCADIS
Identify MP (TIC) 2.43' = Initial DTW

Depth to 30.3 / 50.3 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 40.3
Purging Device; (pump type) Bladder # 15728
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0840	2.47		100		12.48	437	6.86	68.7	7.13	18.6	
0845	2.47		100		11.85	356	6.39	106.4	5.91	14.2	
0850	2.47		100		11.59	288	6.35	118.2	6.34	24.6	
0855	2.49		150		11.22	267	6.32	125.6	6.32	27.8	
0900	2.49		150		11.22	263	6.41	126.5	6.40	21.8	
0905	2.49		150		11.28	257	6.38	131.2	6.38	15.9	
0910	2.49		150		11.36	256	6.32	135.5	6.57	17.6	
0915	2.49		150		11.35	256	6.33	135.0	6.64	18.1	
0920	2.49		150		11.37	257	6.34	138.7	6.79	16.1	
0925	2.49		150		11.34	256	6.34	141.9	6.82	11.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

1125 - SAMPLE

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) Sesus
Well Number CPZ-16R Date 5/16/16
Field Personnel EC
Sampling Organization Arcadis
Identify MP TIC

Depth to 30.3 / 50.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 40.3
Purging Device; (pump type) Bladder PP 15728
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	@2.49'		150		11.41	256	6.34	143.8	6.83	10.9	
0935	2.50		150		11.48	256	6.35	146.8	6.78	8.66	
0940	2.50		150		11.43	255	6.36	149.1	6.80	3.97	
0945	2.50		150		11.47	256	6.35	151.1	6.80	2.58	
0950	2.50		150		11.50	255	6.36	152.8	6.35	3.40	
0955	2.50		150		11.61	255	6.35	153.8	6.76	3.22	
	Collect Sup Sample (MeOH/VOC)										
1010	2.50		150		11.77	259	6.39	155.4	6.84	9.27	
1015	2.50		150		11.66	257	6.40	158.0	6.76	14.2	
1020	2.50		150		11.63	255	6.39	161.6	6.64	12.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number CPZ-10R Date 5/18/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 30.3 / 50.3 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 40.3
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1025	2.50		150		11.51	257	6.39	163.2	6.63	8.21	
1030	2.50		150		11.49	257	6.38	163.9	6.61	4.32	
1035	2.50		150		11.40	256	6.38	165.7	6.56	4.01	
1040	2.51		150		11.40	256	6.38	165.9	6.54	5.26	
1045	2.51		150		11.40	256	6.39	166.5	6.56	4.98	
1050	2.51		150		11.39	256	6.39	167.3	6.50	4.58	
1055	2.51		150		11.42	256	6.39	168.0	6.48	3.71	
1100	2.51		150		11.43	256	6.39	168.7	6.49	3.82	
1105	2.51		150		11.46	256	6.39	168.7	6.44	3.61	
1110	2.51		150		11.35	255	6.40	169.5	6.39	3.54	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Page 4 of 4

Location (Site/Facility Name) SRSNS
Well Number CPZ-16R Date 5/18/10
Field Personnel LC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 30.3 / 50.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 40.3
Purging Device; (pump type) 13 bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	2.51		150		11.32	256	6.40	170.5	6.39	3.48	
1120	2.51		150		11.34	257	6.40	170.6	6.39	3.51	
	SAMPLE										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PP.M

Location (Site/Facility Name) SRSNE
Well Number DN-3 Date 5-18-10
Field Personnel D. Garrigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 8.8' / 21.8' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15.3' BMP
Purging Device; (pump type) Bladder Sample Pro ID#
Total Volume Purged 15.00 L 15728

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1530	8.15	4cpm / 20psi			Cell Filling						Initial
1535	8.23	"	450ml/min	1.5	9.81	215	6.70	83	5.02	7.85	
1540	8.22	"	"	3.75	9.69	215	6.47	94	4.66	5.29	Good Flow No Odor.
1545	8.24	"	"	6.00	9.66	215	6.44	98	4.62	5.51	Checked Flow Rate Through cell 450 ml/min
1550	8.26	"	"	8.25	9.65	214	6.43	102	4.59	2.39	
/ /		met 2.5 Gallon well Screen Volume for 15' well Screen. Screen is 13' long									
1555	8.26	"	"	10.50	9.62	213	6.42	105	4.60	1.36	
1600	8.24	"	"	12.75	9.62	212	6.42	108	4.63	0.52	
1605	8.25	"	"	15.00	9.61	211	6.42	108	4.62	0.44	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

Good well! High Flow 450 mL/min
Low NTU

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE

Location: HUNTINGTON, CT

Well ID: MW-03

Well Type: • Monitoring • Other: _____

Well Finish: • Stick Up • Flush Mount

Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 30

Well Casing: Diameter: 1.5 Material: PVC

Well Screen: Diameter: 1.5

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0845

Weather Conditions: Sunny, high of 65°

Depth to groundwater at time of deployment: 6.65

Total well depth at time of deployment: 82.5 (FT)

Dimensions of HydraSleeve™: Length (in.) ~~24~~ 36" Diameter (in.) 1.5"

Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 67.5 (FT)

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1010

Total # of days deployed: 1

Weather Conditions: Sunny, High of 60°

Depth to groundwater at time of retrieval: 6.67 (PRE-RETRIEVAL) 6.70 Post retrieval

Total well depth at time of retrieval: 87.50 (FT)

Downhole Field Parameters Upon Retrieval:

Temp:_____ (°C) **ORP:**_____ (mV) **Water quality meter:**_____

pH:_____ **DO:**_____ (mg/L) **Serial #:**_____

Notes/Observations:

Not enough recovery for field parameters

Field Sampling Technician: Name(s) and Company

Name	Company
JD CIMILLUCA	ARCADIS
DIANE CHAMPAGNE	"

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

cation (Site/Facility Name) SRSNE
ell Number MW-03 Date 5/13/10
eld Personnel Chris Trowbridge
mpling Organization Arcadis
ntify MP Top of Casing (Initial DTW: 6.58)

Depth to 52.5 / 82.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 67
Purging Device; (pump type) bladder
Total Volume Purged

ck ie HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
5	6.61	10/5 c/m	50	0	16.40	276	7.69	-20.3	2.95	7.9	
)	6.61	10/5 c/m	50	.250	15.58	272	7.62	-14.2	2.07	6.0	
)	6.61	10/5 c/m	50	.500	14.75	271	7.61	-6.6	1.12	3.9	
)	6.61	10/5 c/m	50	.750	14.50	271	7.61	-3.3	0.79	3.4	
5	6.61	10/5 c/m	50	1.000	14.56	271	7.61	-1.2	0.67	4.1	
0	6.61	10/5 c/m	50	1.250	14.32	271	7.62	2.1	0.49	3.0	
5	6.61	10/5 c/m	50	1.500	14.33	271	7.62	4.1	0.43	2.7	
)	6.61	10/5 c/m	50	1.750	14.28	271	7.63	4.5	0.45	2.5	
5	6.61	10/5 c/m	50	2.0	14.11	272	7.62	4.8	0.46	2.7	
	6.61	10/5 c/m	50	2.25	14.08	272	7.63	5.2	0.48	1.7	
ilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

ump dial setting (for example: hertz, cycles/min, etc).
Siemens per cm(same as µmhos/cm)at 25 °C.
xidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-03 Date 5/13/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing

Depth to 92.5 / 82.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 67
Purging Device; (pump type) bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1715	6.61	10/5 clm	50	2.5	14.01	272	7.63	6.0	0.54	3.8	
1720	6.61	10/5 clm	50	2.75	13.97	273	7.64	6.5	0.58	2.3	
1725	6.61	10/5 clm	50	3.0	13.99	273	7.64	6.9	0.62	1.2	
1730	6.61	10/5 clm	50	3.25	14.14	273	7.64	7.4	0.69	2.7	
1735	6.61	10/5 clm	50	3.5	14.26	274	7.65	8.0	0.82	3.1	
1740	6.61	10/5 clm	50	3.75	14.24	275	7.65	8.4	0.88	0.95	
1745	6.61	10/5 clm	50	4.00	14.25	276	7.65	8.7	0.93	0.73	
	Sampled @	1748									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE

Location: SOUTHINGTON, CT

Well ID: MW-03

Well Type: • (Monitoring) • Other: _____

Well Finish: • (Stick Up) • Flush Mount

Measuring Pt: • (Top of Casing) • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 30' 52.5 - 82.5

Well Casing: Diameter: 2" Material: PVC

Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 1155

Weather Conditions: Overcast, 63°

Depth to groundwater at time of deployment: 6.45'

Total well depth at time of deployment: 82.5'

Dimensions of HydraSleeve™: Length (in.) ~~36~~ 24" Diameter (in.) 1.5

Deployment Method/Position of Weight:

• (Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.)

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 67.5'

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 1000

Total # of days deployed: 3

Weather Conditions: Sunny, 65°

Depth to groundwater at time of retrieval: Pre (6.74') (Post) 6.74'

Total well depth at time of retrieval: 82.5'

Downhole Field Parameters Upon Retrieval:

Temp: _____ (°C) **ORP:** _____ (mV) **Water quality meter:** YSI 650 MDS

pH: _____ **DO:** _____ (mg/L) **Serial #:** 07A1488AC

Notes/Observations:

Insufficient recovery to collect parameter readings and metals sample. New sleeve will be deployed 5/17/10 to collect metals.

Field Sampling Technician: Name(s) and Company

Name	Company
Ed Cimilluca	ARCADIS

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-03

Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):

Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 30' (52.5' - 82.5')
Well Casing: Diameter: 2.5" Material: PVC
Well Screen: Diameter: 1.5"

Deployment

Date and Time of Deployment: Date: 5/17/10 Time: 14:00
Weather Conditions: Sunny, 75°
Depth to groundwater at time of deployment: 66.75
Total well depth at time of deployment: 82.5
Dimensions of HydraSleeve™: Length (in.) 24" Diameter (in.) ~~2"~~ 1.5"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. ~~Weight suspended in well.~~
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 67.5'

Retrieval

Date and Time of Retrieval: Date: 5/18/10 Time: 1415
Total # of days deployed: 1
Weather Conditions: Rain, 53°
Depth to groundwater at time of retrieval: 66.77
Total well depth at time of retrieval: 82.5
Downhole Field Parameters Upon Retrieval:
Temp: 10.91 (°C) **ORP:** 101.7 (mV) **Water quality meter:** # 07A1480HC YSI 650
pH: 6.41 **DO:** 1.04 (mg/L) **Serial #:**

Notes/Observations: TURB = 11.2

Field Sampling Technician: Name(s) and Company

Name	Company
SD Cumming	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-03 Date 8-31-2010
Field Personnel Diane Champagne
Sampling Organization Arcadis
Identify MP Top of PVC

Depth to ~~52.5~~ / 82.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 67
Purging Device; (pump type) Bladder pump
Total Volume Purged 13 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments PID 0.3 Start Pump 10:17
1050	7.96	10CPM 120°	66		22.55	306	6.79	-41.1	2.91	3.20	Initial Screen volume
1100	7.93	10CPM 120°	66		22.23	295	6.56	82.5	1.13	1.71	Removal of 2.75 Gallons
1110	7.94	"	66	~1	22.13	298	6.61	107.0	0.84	1.14	Readings every 10
1120	7.94	"	66		22.23	298	6.72	114.7	0.84	0.58	minutes to allow for
1130	7.93	"	66	~2	22.16	301	6.81	112.5	1.50	0.37	Cell volume to refill
1140	7.94	"	66		22.08	307	6.82	119.2	3.65	0.31	(Pre-low flow Readings)
1150	7.93	"	66		21.84	310	6.86	124.3	3.99	0.49	
1200	7.94	"	66	~4	21.93	313	6.85	136.6	4.48	0.76	
1215	7.93	" 120°	65		22.02	312	6.86	145.5	4.79	0.19	Adjusted Cell to Allow Gas
1230	7.93	" 120°	65	~6	21.91	313	6.84	162.8	4.97	0.18	bubbles to escape. Changed to readings every
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	15 min.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-03 Date 8/31/10
Field Personnel Diane Champagne
Sampling Organization Arcadis
Identify MP Top of PVC

Depth to Static 52.5 / 82.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 67
Purging Device; (pump type) bladder pump
Total Volume Purged 13 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1245	7.93	10CPM 120	65		21.37	313	6.78	172.9	5.24	0.21	Purging Screen volume
1300	7.95	10CPM 120	65	~8.9	21.82	312	6.77	184.2	5.22	0.38	Pre-low flow readings
1315	7.93	10CPM 120PSI	65		22.05	312	6.76	180.2	5.30	0.31	
1330	7.94	"	65	~10	22.43	311	6.87	173.0	5.16	0.07	
1345	7.93	"	65	~11	22.30	311	6.88	171.6	5.19	0.11	
Begin Low flow to sample. 2.75 (screen volume Removed - 8min Reading)											
1349	7.94	10CPM 120PSI	65		22.37	311	6.90	169.8	5.24	0.17	Intervals at 65mL/m
1357	7.95	"	65		22.18	311	6.86	172.6	5.31	0.12	Purge
1405	7.95	"	65	13	21.93	310	6.84	174.0	5.31	0.40	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

Begin Sample 1405

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number NW-05 Date 5/19/10
Field Personnel Pete Braden
Sampling Organization O&M
Identify MP

Depth to 66.5 / 76.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) @ 71.5
Purging Device; (pump type) 1.5 micro purge bladder
Total Volume Purged 3.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1000	1.50	4	50	250							Set up
1020	1.80	4	50	500	11.67	770	7.03	-32.7	17.63	850	
1025	1.25	4	50	750	11.39	772	7.07	-17.4	7.21	6.55	
1030	1.85	4	50	1000	11.27	769	7.13	-16.2	6.68	5.90	
1035	1.85	4	50	1250	11.25	764	7.14	-22.3	6.45	5.90	
1040	1.85	4	50	1500	11.27	760	7.15	-25.4	6.29	5.38	
1045	1.85	4	50	1750	11.28	757	7.17	-27.7	6.24	6.15	
1050	1.85	4	50	2000	11.29	756	7.18	-28.0	6.14	7.71	
1055	1.85	4	50	2250	11.31	757	7.18	-32.8	6.14	9.35	
1100	1.85	4	50	2500	11.33	760	7.19	-30.2	6.11	12.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

202 2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW05 Date 5/19/10
Field Personnel Peb, Buber
Sampling Organization O&M
Identify MP

Depth to 66.5 / 76.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 71.5
Purging Device; (pump type) 1.5 micropurge blower
Total Volume Purged 3.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1105	1.85	4	50	2750	11.33	763	7.19	-28.9	6.10	12.5	
1110	1.85	4	50	3000	11.35	767	7.19	-29.8	6.09	15.8	
1115	1.85	4	50	3250	11.36	771	719	-33.2	6.05	18.9/16.1	
1120	1.85	4	50	3500	11.39	773	7.20	-35.7	6.06	15.6	
1125	1.85	4	50	3750		Sample				16.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/4

Location (Site/Facility Name) SRSNE
Well Number MW-121A Date 05/18/2010
Field Personnel John Legoudes
Sampling Organization O+M, Demax/MIS
Identify MP TOR

Depth to 74 / 95 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 84.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 8.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
12:45	3	12.5/2.5									
12:50	3.9	~~11.5~~ 11.5/3.5									
12:55	4.7	11.5/3.5									Paused Purging miss o-Ring for the cell.
13:10											Resume Purge, cell is still leaking
13:15	5.29	~~11.5/3.5~~ 11.5/3.5	50								Resume Purge, Checked o-Rings Repair Placement
13:20		11	50		11.82	~~605~~ 605	7.34	10.78	3.20	8.14	Still No out Flow of water.
13:25	6.50'	11	50		11.83	614	7.40	-93.4	2.54	5.12	
13:30	6.90	11	11		11.88	616	7.40	-94.5	2.30	8.72	
13:35	7.40	11	11		11.03	623	7.40	-99.0	2.12	6.52	
13:40	8.05	11.5/3.5	52		11.00	625	7.42	-103.9	1.97	9.49	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
   Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/4

Location (Site/Facility Name) SRSNE
Well Number MW-121A Date 05/18/2010
Field Personnel John Legoulet
Sampling Organization O&M Remaxims
Identify MP TOR

Depth to 74 / 95 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 84.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 8.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
13:45	8.50	11.5/3.5	50		11.00	624	7.42	-108.1	1.82	5.70	
13:50	8.95	"	"		11.02	623	7.42	-112.6	1.69	6.12	
13:55	9.10	"	"		11.25	622	7.42	-108.9	1.64	13.90	
14:00					11.51	621	7.43	-104.5	1.62	13.8	
14:05	9.43	"	"		11.67	620	7.43	-103.5	1.61	12	
1410	9.61	"	"	2.5	11.86	620	7.43	-101.3	1.63	18.8	
1415	9.80	"	"		11.97	620	7.43	-101.9	1.64	25.2	
1420	10.02	11.5/3.5	25	3	12.04	618	7.43	-105.4	1.64	25.7	
1425	10.35	11/4	40		11.93	617	7.41	-103.7	1.64	31.2	
1430	11.71	10.5/4.5	70		11.76	613	7.39	-97.7	1.68		
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1 Pump dial setting (for example: hertz, cycles/min, etc).
Siemens per cm(same as µmhos/cm)at 25°C.
xidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/4

Location (Site/Facility Name) SRSNE
Well Number MW-121A. Date 05/18/2010
Field Personnel J. Legowdes
Sampling Organization O+M Demesmis
Identify MP TOR

Depth to 74 / 95 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 84.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 8.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
14:35	11.40	11/4	50		11.23	610	7.37	-97.4	1.65	36.4	
14:40	11.70	11/4	50	4.75	11.23	609	7.36	-94.5	1.60	34.6	
14:45	12.00	"	"		11.23	608	7.36	-95.8	1.55	30.7	
14:50	12.40	"	"	5	11.18	609	7.36	-95.6	1.53	31.9	
14:55	12.82	"	"		11.06	609	7.36	-93.1	1.52	19.8	
15:00	13.11	"	"	6	10.96	610	7.36	-98.9	1.51	18.0	
15:05	13.50	"	"		10.98	610	7.36	-100.8	1.50	12.3	
15:10	13.85	"	"		10.95	610	7.36	-103.1	1.48	12.10	
15:15	14.15	"	"	7	10.99	611	7.37	-106.3	1.49	7.92	
15:20	14.47	11/4	50		11.03	611	7.37	-106.6	1.46	6.91	met screen purge volume.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 4/4

Location (Site/Facility Name) SRSNE
Well Number MW-121A Date 5/18/2010
Field Personnel J. Lagoudes
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 74 / 95 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 84.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 8.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1525	14.90	N/A	50	~~1.680~~	11.06	612	7.37	-107.3	1.46	6.70	
1530	15.20	"	"		11.10	612	7.37	-112.2	1.46	5.70	
1535	15.50	"	"		11.08	613	7.37	-110.6	1.45	4.82	
1540			Sample time.								
			Ended sampling at				17:05				

Stabilization Criteria			3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-121-B Date 05/14/2010
Field Personnel John Lagoudes
Sampling Organization O+M / Demaximis
Identify MP TOR

Depth to 42.0 / 52.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 47
Purging Device; (pump type) Bladder ID# 10234
Total Volume Purged 17

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~0920~~	~~4.90~~	~~12.5/2.5~~	~~125/2.5~~		~~11.30~~	~~693~~	~~6.90~~	~~-31.9~~	~~5.65~~		Begin Purging
0925	4.90	12.5/2.5	120		11.30	693	6.90	-31.9	5.65	37.5	
0930	4.90	11	120		10.86	722	7.00	-60.4	3.74	34.3	
0935	4.90	11.5/3.5	150		10.65	734	7.02	-75.2	3.03	27.3	
0940	4.90	10.5/4.5	250		10.53	735	7.04	-77.6	2.56	19.9	
0945	4.91	11	11	3	10.50	738	7.03	-87.1	2.25	13.9	
0950	4.90	10.0/5.00	290	4.90	10.49	743	7.01	-82.6	2.07	13.4	
0955	4.90	11	11		10.46	744	7.00	-87.2	1.95	11.6	
1000	4.91	9.5/5.5	300		10.46	746	6.99	-85.3	1.86	9.54	
1005	4.91	11	11	8	10.50	747	6.99	-81.8	1.79	6.88	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number MW-121-B Date 05/19/2010
Field Personnel John Lagoudes
Sampling Organization O&M, Dematimis
Identify MP TOR

Depth to 42.0 / 52.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 47
Purging Device; (pump type) Bladder ID# 10234
Total Volume Purged 17

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1010	4.91	8.5/6.5	350	10	10.44	747	6.99	-87.5	1.75	6.64	
1015	4.91	"	"	12	10.41	748	6.98	-90.6	1.73	5.47	
1020	4.91	"	"	14	10.42	748	6.98	-91.1	1.70	3.46	
1025	4.91	"	"		10.41	749	6.98	-88.5	1.68	3.12	
1030	4.91	"	"	16	10.42	749	6.98	-85.2	1.66	3.66	
1035				17							Sample Time 10:35
											Ended sampling 11:20
											Josh + Brendan gone MS/MSD + MS Cooler.
											11:30
											Ended sampling at 12:40
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRNE
Well Number MW-121C Date 5/17/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC (5.05 Ini tial DTW)

Depth to 58.7 / 68.7 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63.7
Purging Device; (pump type) BLADDER #11269
Total Volume Purged 9900 ml / 2.61 gal

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~1500~~ 1515	5.25		180		11.44	716	6.46	-105.2	6.61	~~7.87~~	
1520	5.25		180		10.89	710	6.55	-125.1	2.93	7.06	
1525	5.25		180		10.82	708	6.64	-129.4	1.80	6.51	
1530	5.25		180		10.85	707	6.67	-130.3	1.93	7.03	
1535	5.25		180		10.80	686	6.76	-133.5	1.23	7.17	
1540	5.25		180		10.99	669	6.84	-134.5	1.11	6.93	
1545	5.25		180		10.99	651	6.88	-135.3	0.95	6.87	
1550	5.25		180		10.96	647	6.88	-135.2	0.85	7.72	
1555	5.25		180		10.94	641	6.88	-133.2	0.79	7.43	
1600	5.25		180		11.30	638	6.89	-129.6	0.75	7.21	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc)
2. µSiemens per cm(same as µmhos/cm)at 25°C
3. Oxidation reduction potential (ORP)

1615

- Excellent re-charge rate.
- Slight green color to the purge water.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-121C Date 5/17/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC (5.05' Initial DTW)

Depth to 58.7 / 68.7 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63.7
Purging Device; (pump type) BLADDER #11269
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1605	5.25		180		11.40	625	6.90	-127.8	0.76	7.17	
1610	5.25		180		11.43	623	6.90	-124.2	0.73	7.19	
	SAMPLE										

Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-121M Date 5/17/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Spoke) OTW: 5.90 ?

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30'
Purging Device; (pump type) bladder (11269)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1520	6.18	12/3 c/m	100	0	14.64	507	6.76	-46.5	1.03	787	
1525	6.18	12/3 c/m	100	.500	15.66	511	6.85	-53.3	0.70	672	
1530	6.18	12/3 c/m	100	1.00	15.50	512	6.89	-58.3	0.55	666	
1535	6.18	12/3 c/m	100	1.5	15.41	513	6.91	-60.5	0.50	235	
1540	6.18	12/3 c/m	100	2.0	15.41	512	6.94	-65.6	0.45	212	
1545	6.18	12/3 c/m	100	2.5	15.87	515	6.98	-71.2	0.49	203	
1550	6.18	12/3 c/m	100	3.0	15.88	517	6.98	-74.9	0.47	159	
1555	6.18	12/3 c/m	100	3.5	16.11	517	6.98	-76.7	0.52	185	
1600	6.18	12/3 c/m	100	4.0	16.18	519	6.99	-77.8	0.50	163	
1605	6.18	12/3 c/m	100	4.5	16.27	522	6.99	-78.9	0.51	128	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SR5NE
Well Number MW-121M Date 5/17/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW:)

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 70'
Purging Device; (pump type) Bladder (11269)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1610	6.18	12/3 d/m	100	5.0	16.30	527	7.00	-79.3	0.46	136	
1615	6.18	12/3 d/m	100	5.5	16.39	533	7.01	-78.2	0.41	129	
1620	6.18	12/3 d/m	100	6.0	16.37	535	7.02	-78.6	0.38	138	
1625	6.18	12/3 d/m	100	6.5	16.47	536	7.02	-78.6	0.39	111	
1630	6.18	12/3 d/m	100	7.0	16.58	535	7.03	-80.2	0.39	131	
1635	6.18	12/3 d/m	100	7.5	16.67	535	7.04	-81.6	0.37	127	
1640	6.18	12/3 d/m	100	8.0	16.64	534	7.04	-82.1	0.37	118	
1645	6.18	12/3 d/m	100	8.5	16.56	531	7.04	-82.2	0.39	94.1	
1650	6.18	12/3 d/m	100	9.0	16.44	529	7.04	-82.4	0.39	65.2	
1655	6.18	12/3 d/m	100	9.5	16.33	528	7.05	-82.8	0.39	77.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-127M Date 5/17/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30
Purging Device; (pump type) Bladder (1269)
Total Volume Purged 12 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1700	6.18	12/3 c/m	100	10.0	16.19	529	7.05	-83.0	0.39	66.5	
1705	6.18	12/3 c/m	100	10.5	16.26	529	7.05	-83.9	0.38	76.9	
1710	6.18	12/3 c/m	100	11.0	16.20	529	7.05	-84.2	0.38	55.3	
1715	6.18	12/3 c/m	100	11.5	16.12	529	7.06	-84.4	0.37	67.0	
1720	6.18	12/3 c/m	100	12.0	16.03	530	7.06	-84.5	0.37	57.9	
	sampled @ 1725										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 0.0 ppm Head Space

Location (Site/Facility Name) SRSNE
Well Number MW-124C Date 5-13-16
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 35.9 / 45.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 40.9'
Purging Device; (pump type) Bladder Sample Pro ID# 12752
Total Volume Purged 6.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1405	6.31	4 cycles 23 psig	<50	<1.0	Probe / Cell / Sonde Filling						Initial
1410	6.47	11 24 psig	<50	"	"						Increased Flow 150 mL/min
1415	7.01	4 1/2 cycles 23 psig	50	"	"						Reduced Flow 50 mL/min
1420	7.21	"	50	1.0	15.53	338	6.94	200 124	8.27	133	
1425	7.31	"	"	1.25	14.71	332	6.98	206	8.29	128	
1430	7.35	"	"	1.5	14.30	334	7.04	205	8.25	118	Checked Flow 50 mL/min
1435	7.44	"	"	1.75	12.81	337	7.06	204	8.19	97.2	
1440	7.52	"	"	2.0	12.34	336	7.09	202	8.03	93.5	
1445	7.65	"	"	2.25	12.03	336	7.06	201	7.91	92.4	
1450	7.55	"	"	2.50	12.27	336	7.07	198	7.89	85.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESNE
Well Number MW-124C Date 5-13-10
Field Personnel D. Garrigan
Sampling Organization ORM, Inc
Identify MP Top of Riser

Depth to 35.9' / 45.9' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 40.9'
Purging Device; (pump type) Bladder
Total Volume Purged 6.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1455	7.61	4CPM 23 PSI	50	2.75	12.07	338	7.10	195	7.88	89.1	
1500	7.72	"	50	3.00	11.62	337	7.11	195	7.82	93.9	
1505	7.72	"	50	3.25	11.58	337	7.11	194	7.76	109.2	Checked Flow 50 ml/min
1510	7.75	"	50	3.50	11.58	338	7.11	193	7.72	84.3	
1515	7.85	"	50	3.75	11.33	339	7.12	193	7.75	77.3	
1520	7.92	"	50	4.00	11.29	339	7.14	191	7.71	64.4	Checked Flow 50 mL/min
1525	7.92	"	50	4.25	11.24	341	7.14	190	7.69	68.6	
1530	7.93	"	50	4.50	11.31	342	7.15	190	7.69	68.6	
1535	8.02	"	50	4.75	11.19	343	7.15	187	7.69	71.0	
1540	7.98	"	50	5.00	11.29	345	7.16	186	7.66	59.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-124C Date 5-13-10
Field Personnel D. Garrigan
Sampling Organization OFM
Identify MP Top of Riser

Depth to 35.9' / 45.9' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 40.9'
Purging Device; (pump type) Bladder
Total Volume Purged 6.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1545	8.00	4 CPM 23PSI	50	5.25	11.19	345	7.16	185	7.68	58.6	Checked Flow 50mL/min
1550	8.03	"	50	5.50	11.05	346	7.17	184	7.65	58.6	
1555	8.09	"	50	5.75	11.07	347	7.17	184	7.65	53.4	
1600	8.04	"	50	6.00	11.20	348	7.17	183	7.62	61.9	
1605	8.04	"	50	6.25	11.05	348	7.18	183	7.64	49.1	
1610	8.14	"	50	6.50	11.03	349	7.18	182	7.61	47.3	
1615	8.21	"	50	6.75	11.01	349	7.19	181	7.64	46.2	Reads Stable
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-125C Date 5/19/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 6.72)

Depth to 40.5 / 50.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 45.5
Purging Device; (pump type) Bladder (10230)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
950	10.25	12/3 clm	50	2.750	12.91	1010	7.07	-173.0	2.62	0.78	
955	10.56	12/3 clm	50	3.000	13.03	1010	7.07	-177.3	2.73	0.26	
1000	10.86	12/3 clm	50	3.250	13.11	1010	7.08	-179.1	2.77	0.10	
1005	11.11	12/3 clm	50	3.500	13.28	1008	7.08	-180.4	2.83	0.54	
1010	11.39	12/3 clm	50	3.750	13.41	1006	7.10	-182.2	2.81	0.66	
1015	11.67	12/3 clm	50	4.000	13.52	1005	7.12	-173.9	2.87	0.73	
1020	11.97	12/3 clm	50	4.250	13.58	1004	7.13	-186.3	2.87	0.19	
1025	12.25	12/3 clm	50	4.500	13.62	1001	7.18	-203.0	2.86	0.16	
1030	12.53	12/3 clm	50	4.750	13.64	1000	7.17	-207.1	2.96	0.28	
1035	12.79	12/3 clm	50	5.000	13.63	999	7.17	-210.7	2.89	0.38	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-125C Date 5/19/2010
Field Personnel Chris Townbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 6.72)

Depth to 40.5 / 50.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 45.5
Purging Device; (pump type) bladder (10230)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	13.08	12/3 dm	50	5.250	13.66	997	7.19	-213.9	2.84	0.23	
1045	13.32	12/3 dm	50	5.500	13.72	995	7.19	-214.5	2.85	0.18	
1050	13.59	12/3 dm	50	5.750	13.78	994	7.20	-218.9	2.78	0.15	
1055	13.88	12/3 dm	50	6.000	13.84	993	7.20	-219.4	2.80	0.21	
1100	14.12	12/3 dm	50	6.250	13.91	992	7.20	-219.5	2.85	0.26	
1105	14.42	12/3 dm	50	6.500	14.00	992	7.20	-223.4	2.87	0.23	
1110	14.65	12/3 dm	50	6.750	14.06	992	7.20	-225.7	2.92	0.20	
1115	14.89	12/3 dm	50	7.000	14.11	992	7.20	-227.9	2.89	0.19	
		Sampled @		1120							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number 126 B Date 5/20/10
Field Personnel Pete Butler
Sampling Organization O&M Inc
Identify MP

Depth to 7.5 / 12.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 10.0
Purging Device; (pump type) microPurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0855	2.01	4	100	100	13.03	396	6.31	89.8	14.32	4.11	set rate (fill cell)
0900	2.01	4	100	3600	12.62	412	6.21	100.8	5.44	1.80	
0905	2.01	4	125	1225	12.35	429	6.18	101.2	5.11	1.02	
0910	2.01	4	125	1850	12.28	467	6.16	103.4	5.04	0.41	
0915	2.01	4	200	2850	12.03	496	6.15	102.4	4.93	0.49	
0920	2.01	4	200	3850	11.80	507	6.15	100.6	5.02	0.31	
0925	2.01	4	200	4850	12.10	521	6.14	102.8	5.13	1.49	0.08
0930	2.01	4	200	5850	11.89	529	6.13	102.8	5.20	0.0	
0935	2.01	4	~~200~~ 150	6600	12.00	539	6.13	102.0	5.18	0.0	rate ↓ 150
0940	2.01	4	150	7350	12.22	549	6.13	103.3	5.15	0.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW126B Date 5/20/10
Field Personnel Pete Bladon
Sampling Organization O&M Inc
Identify MP

Depth to 7.5 / 12.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 10.0
Purging Device; (pump type) Micropurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0945	2.01	4	200	8000	12.14	553	6.13	103.4	5.09	0.0	↑ Rate to 200 ml
											SAMPLE @ 0950
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1 of 2
9198

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number 126C Date 5/20/00
Field Personnel Pete Burton
Sampling Organization ctm
Identify MP

Depth to 24 / 34 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 29
Purging Device; (pump type) micropurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1030	1.25	4	150							8	Set Rate
1045	1.25	4	150	1000	14.50	425	6.57	99.5	29.70	36.4	
1050	1.25	4	150	1750	13.75	423	6.51	86.4	8.88	37.8	
1055	1.25	4	150	2500	13.56	422	6.51	88.3	8.55	38.8	
1100	1.25	4	150	3250	13.52	420	6.51	89.9	8.42	36.7	
1105	1.25	4	150	4000	13.48	418	6.50	95.2	8.36	37.8	
1110	1.25	4	150	4750	13.55	415	6.49	95.9	8.34	28.1	
1115	1.25	4	150	5500	13.56	411	6.49	98.2	8.26	16.7	
1120	1.25	4	150	6250	13.56	409	6.48	97.2	8.18	14.0	
1125	1.25	4	175	7125	13.41	406	6.47	97.6	8.12	15.0	Rate ↑ 175 ml/m
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number 126 C Date 6/20/10
Field Personnel Pete Burton
Sampling Organization GSM
Identify MP

Depth to 24 / 34 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 29
Purging Device; (pump type) Micropurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1130	1.25	4	175	8000	13.38	403	6.46	97.4	8.10	8.69	
1135	1.25	4	175	8875	13.38	402	6.46	97.9	8.06	7.87	
1140	1.25	4	175	9750	13.48	398	6.45	98.2	8.04	6.98	
1145	1.25	4	175	10625	13.64	396	6.44	98.0	8.05	6.39	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-127B Date 5-19-10
Field Personnel A. Plainer
Sampling Organization O&M, Inc
Identify MP TOR

Depth to 37 / 47 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 42
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 15 l

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1433	2.91	13.5/1.5									Begin Purging
1516	2.91		50		15.42	256	6.84	278.0	17.03	17	increasing flow
1520	2.91	13/2	100		15.30	244	6.71	279.9	16.70	34	increasing flow
1525	2.91	12.5/2.5	200		14.56	239	6.63	281.4	15.74	35	increasing flow
1530	2.91	12/3	250	3	13.83	238	6.61	282.7	15.27	33	increasing flow
1535	2.91	11.5/3.5			12.98	236	6.61	284.8	14.98	28	
1540	2.91		320	5	12.40	235	6.60	287.0	15.00	18	increasing flow
1545	2.91	11/4	370	7.5	12.23	235	6.59	288.8	14.95	15	
1550	2.91			9.5	12.16	234	6.59	289.8	14.86	11	
1555	2.91			11.5	12.09	234	6.60	290.5	14.82	9.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number MW-127B Date 5-19-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 37 / 47 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 42
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 15 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1600	2.91	11/4	370	13.5	12.20	234	6.61	291.1	14.90	9.8	
1605	2.91			~15	12.03	234	6.61	291.8	15.09	8.3	
1610	SAMPLE TIME			MW-127B-05	192010						
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-127C

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10'
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 11:00
Weather Conditions: Sunny Heat of 65°F
Depth to groundwater at time of deployment: 2.89
Total well depth at time of deployment: 101.5
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 96.5

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1430
Total # of days deployed: 1
Weather Conditions: overcast, 63°F
Depth to groundwater at time of retrieval: 2.89 (Pre) 3.19 (Post)
Total well depth at time of retrieval: 101.5
Downhole Field Parameters Upon Retrieval:
Temp: 10.37 (°C) **ORP:** 45.7 (mV) **Water quality meter:** YSI 650 MPS
pH: 7.24 **DO:** 5.64 (mg/L) **Serial #:** 06J1598

Notes/Observations: NTU. = 5.65

Field Sampling Technician: Name(s) and Company

Name	Company
ED CHMIELEWSKI	ARCADIS
CHRIS TRAWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-127C Date 5-13-10
Field Personnel A. Plaines
Sampling Organization O2M, Inc
Identify MP TOR

Depth to 91.5 / 101.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 96.5
Purging Device; (pump type) Bladder ID 15751
Total Volume Purged

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters *	Temp. °C **	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L **	Turb-idity NTU	Comments
1615	2.91	~~13~~ AP									Begin Purging
1645	3.18	13.5/1.5	50		19.21	362	7.17	350.3	16.14	4.94	increasing flow, RR rising
1650	3.21	13/2			18.52	359	7.27	342.9	15.57	5.91	
1700	3.13		50		18.33	359	7.32	336.7	15.63	4.10	increasing flow
1710	2.98	12.5/2.5	~80		17.74	360	7.40	327.7	15.67	6.23	air tubing blew out fixed & resumed ***
1720	3.18				17.75	360	7.42	321.3	15.63	4.33	
1730	3.46				17.37	361	7.44	319.0	15.60	23.8	air tubing blew out fixed & resumed
1810	3.52	12.5/2.5	150	~8	16.80	361	7.45	306.5	15.44	19.0	" " " " Repaired w/ hose clamps & resumed
1815	3.67				14.11	362	7.46	308.1	15.78	22.0	
1820	3.67				13.75	361	7.46	307.2	15.80	13.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* No graduated bucket
** Long tubing run above ground because well set in swamp & set-up on dry land nearby
*** Extended air-line from well

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number MW-127C Date 5-13-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 91.5 / 101.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 96.5
Purging Device; (pump type) Bladder ID 15751
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1825	3.56	12.5/2.5	150	~10	13.49	361	7.46	307.2	15.85	10.24	
1830	3.65				13.54	361	7.47	307.0	15.85	10.28	
1835	3.72				1335	362	7.48	307.0	15.79	10.43	
1840	3.68				13.33	362	7.48	305.7	15.72	10.48	
1855	SAMPLE TIME										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE

Location: SOUTHINGTON, CT

Well ID: MW-127C

Well Type: • Monitoring • Other: _____

Well Finish: • Stick Up • Flush Mount

Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** _____

Well Casing: Diameter: 2" Material: PVC

Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 1245

Weather Conditions: Sunny

Depth to groundwater at time of deployment: 2.73

Total well depth at time of deployment: 101.5

Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"

Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 96.5

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 10:30

Total # of days deployed: 3

Weather Conditions: Sunny 68°

Depth to groundwater at time of retrieval: (Pre retrieval) 4.17 (Post Retrieval)

Total well depth at time of retrieval: 101.5

Downhole Field Parameters Upon Retrieval:

Temp: 10.15 (°C) **ORP:** 27.0 (mV) **Water quality meter:** YSI 650

pH: 7.11 **DO:** 4.16 (mg/L) **Serial #:** 07A4 9UMC

Notes/Observations: TURB = 8.27

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMILLUCA	ARCADIS
CHRIS TRAUBRIDGE	ARCADIS

pump # 15751

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW-128 Date 5/19/10
Field Personnel Pete Burke
Sampling Organization O4M
Identify MP

Depth to 55.0 65.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60.0
Purging Device; (pump type) Micropurge Waterra
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1430	7.91	4	50	500							set rate
1445	9.12	4	50	~~11.23~~	11.23	2067	7.33	58.6	50.6	63.9	
1450	9.71	4	50	750	11.14	2166	7.42	58.8	8.89	64.9	
1455	10.15	4	50	1000	11.40	2184	7.63	52.9	7.95	74.5	
1500	10.65	4	50	1250	11.65	2198	7.73	52.3	7.83	62.3	
1505	11.53	4	50	1500	11.27	2217	7.92	54.4	7.51	92.0	Rate ↑ ↓ Pressure
1510	11.90	4	50	1750	11.27	2208	7.99	50.8	7.21	114	
1515	12.26	4	50	2000	11.58	2204	8.01	50.0	7.10	101.5	
1520	12.70	4	50	2250	11.69	2204	8.03	50.1	7.12	119	
1525	13.27	4	50	2500	11.60	2200	8.00	47.0	7.06	120	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW128 Date 5/19/10
Field Personnel Pete Brown
Sampling Organization ORM
Identify MP

Depth to 56.0 / 60.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60.0
Purging Device; (pump type) Bladder
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1530	13.75	4	50	2750	11.50	2200	8.08	46.7	7.00	120	
1535	14.28	4	50	3000	11.37	2200	8.08	44.6	6.96	114	
1540	14.62	4	50	3750	11.39	2196	8.01	45.6	6.89	118	Rate ↑ Vol ↑
1545	15.11	4	50	4000	11.59	2195	8.03	47.0	6.82	116	
1550	15.57	4	50	4250	11.47	2195	8.00	49.0	6.83	[illegible]111	
1555	15.87	4	50	4500	11.61	2194	7.97	46.9	6.79	111	
1600	16.30	4	50	4750	11.77	2195	7.95	45.8	6.74	103.4	
1605	16.63	4	50	5000	11.71	2198	7.94	44.4	6.74	96.0	
1610	17.05	4	50	5250	11.65	2200	7.93	43.6	6.77	86.6	
1615	17.37	4	50	5500	11.65	2202	7.93	43.3	6.73	[illegible]86	75.6
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW-128 Date 5/12/10
Field Personnel Pete Butler
Sampling Organization ODM
Identify MP

Depth to 55.6 / 65.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60.0
Purging Device; (pump type) micro purge bladder
Total Volume Purged 6.25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1620	17.62	54	50	5750	11.88	2199	7.98	43.9	6.54	70.0	
1625	17.97	4	50	6000	11.84	2207	7.93	44.4	6.63	63.5	
1630	18.3	4	50	6250	11.67	2212	7.95	41.8	6.61	69.1	samp6
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PPM

Location (Site/Facility Name) SBSNE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garsiyan
Sampling Organization OSPR
Identify MP Top of Riser

Depth to 89' / 114' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5' BMP
Purging Device; (pump type) Bladder Sample Pro ID# 15751
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	2.98	4 CPM / 40 PSI	450	2.1	Cell	Filing	—	—	—	—	Initial
1045	3.04	4 CPM / 50 PSI	50	"	"		—	—	—	—	No Odor Water Appears Clear
1050	3.04	"	100	1.0	12.43	333	6.18	228	* 19.23	50.9	Check Flow 100 mL/min
1055	3.02	"	"	1.50	12.39	315	6.64	224	16.68	59.1	
1100	3.02	"	"	2.00	12.19	315	6.94	220	17.30	54.3	
1115	3.04	"	"	3.50	13.59	317	7.24	216	16.77	57.5	
1120	3.04	"	"	4.00	13.98	408	7.81	25.1	7.81	42.3	
1125	3.04	"	"	4.50	12.97	402	7.79	37.4	11.72	39.1	
1130	3.04	"	"	5.00	Cell	Filling	—	—	—	—	
1135	3.04	"	"	5.50	12.36	383	7.96	307	2.59	42.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

missed reading

* Check Calibration Records
≠ New Meter Installed.
2 " " " ; Calibrated By A. Plains
See Log Book for Details

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 89' / 114 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5 BMP
Purging Device; (pump type) Bladder
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1140	3.05	4 GPM / 50 PSI	100	6.00	12.50	358	7.96	305	2.50	32.2	
1145	3.04	"	"	6.50	12.03	325	7.98	304	2.55	30.2	Covered Cell & Tubing w/ Jacket to keep out of Sun
1150	3.05	"	"	7.00	11.63	303	7.99	303	2.56	31.6	
1155	3.04	"	"	7.50	11.61	296	8.00	302	2.51	24.1	
1200	3.04	"	"	8.00	11.70	295	8.00	301	2.49	22.8	
1205	3.05	"	"	8.50	11.70	294	8.01	300	2.51	25.9	Checked Flow Through Cell 50 mL/min
1210	3.04	"	50	8.75	12.03	293	8.01	299	2.46	21.7	
1215	3.05	"	"	9.00	12.06	295	8.01	298	2.45	19.7	
1220	3.04	"	"	9.25	12.19	294	8.02	297	2.46	17.0	
1225	3.05	"	"	9.50	11.88	294	8.02	296	2.49	20.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garrigan
Sampling Organization o&m
Identify MP Top of Riser

Depth to 89' / 114' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5'
Purging Device; (pump type) Bladder
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1230	3.05	4cps / 50 PSI	50	9.75	11.66	294	8.03	295	2.51	14.9	
1235	3.05	"	50	10.00	11.58	294	8.03	295	2.49	12.6	
1240	3.05	"	"	10.25	11.59	295	8.02	294	2.49	12.6	Collect Sample.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-204B Date
Field Personnel D. Garrigan
Sampling Organization GFM
Identify MP Top of Riser

Depth to 68' / 78' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 73' BMP
Purging Device; (pump type) Bladder Sample Pro Pump ID # 15720
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1230	2.96	4 cpm / 35 PSI	<50	<1	Cell Filling						Initial
1235	2.98	"	150	1.5	14.32	275	7.34	29.2	8.01	18.6	Checked flow. ~150 mL/min No significant draw-down
1240	2.98	"	100	2.0	14.04	271	7.34	33.3	9.58	17.2	Checked Flow Through Cell 100 mL/min
1245	2.98	"	100	2.5	13.20	271	7.33	38.4	9.41	30.8	"
1250 1250	2.97	"	"	3.0	13.42	269	7.41	47.4	9.25	10.9	
1255	2.98	"	"	3.5	12.83	270	7.43	53.0	9.20	4.24	
1300	2.99	"	"	4.0	12.80	268	7.45	53.9	9.20	4.67	
1305	2.97	"	"	4.5	12.82	268	7.47	54.6	9.21	4.09	
1310	2.97	"	"	5.0	12.86	269	7.47	55.7	9.23	3.06	
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

* Air leaking into cell from around base of cell.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Good well, low Turbidity, good flow.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-205B Date 5-14-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 39 / 49 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 44
Purging Device; (pump type) Bladder ID 15751
Total Volume Purged 18.5 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0903	4.78	14/1	25-30								Begin Purging
0930	4.77	13.5/1.5	100	1.0	10.58	299	7.83	391.9	12.57	1.99	
0940	4.77			~1.7	10.31	299	7.85	391.3	12.61	1.03	increasing flow
0950	4.77	13/2	200	3.2	10.09	298	7.86	390.1	12.68	1.05	increasing flow
1000	4.77	12.5/2.5	275	6	10.08	299	7.87	387.7	12.62	0.76	increasing flow
1010	4.77	12/3	350	10	10.01	298	7.88	385.8	12.56	0.33	increasing flow
1020	4.77	11.5/3.5	400	14	9.99	298	7.89	384.1	12.56	0.08	
1025	4.77			16	10.01	298	7.90	381.5	12.46	0.05	
1030	4.77			18.5	10.04	298	7.90	380.5	12.39	0.01	
1035	SAMPLE	TIME		MW-205B-05142010			+ MS/MSD				
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1 of 1

Pump 15251

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW209A Date 5/18/10
Field Personnel Pete Buter
Sampling Organization O&M Inc
Identify MP

Depth to 18 / 38 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 28
Purging Device; (pump type) MicroPurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	21.91	4	150 ml/m	1000							Set rate
0910	21.91	4	150	1000	10.26	287	5.95	200.5	10.64	1.35	
0915	21.91	4	150	1750	10.00	292	6.09	194.6	10.51	1.07	
0920	21.91	4	200	2750	9.88	296	6.14	203.8	10.39	0	
0925	21.91	4	200	3750	9.76	297	6.19	204.1	10.33	0	
0930	21.91	4	350	5500	9.64	299	6.21	201.5	10.24	0	
0935	21.91	4	350	8250	9.60	302	6.25	196.8	10.14	0	
0940	21.91	4	350	10000	9.61	307	6.27	193.3	9.99	0	
0945	21.91	4	350	11750	9.58	309	6.31	190.9	9.87	0	
0950	21.92	4	350	13500	9.64	309	6.33	190.0	9.84	0	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW 209B Date 5/19/10
Field Personnel Pete Bunch
Sampling Organization O&M Inc
Identify MP

Depth to 12 / 15 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) bailer
Purging Device; (pump type) bailer
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
	15.8		Sampled w/ dedicated bailer @ 1030								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Static 6.45 Pump # 10221

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Minirae '0.4 PPM

Location (Site/Facility Name) _____
Well Number MW-413 Date 6/29/10
Field Personnel DMC / BP
Sampling Organization Arcadis Demaximus
Identify MP Top of PVC

Depth to _____/_____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 17 ~ +/-
Purging Device; (pump type) Bladder
Total Volume Purged _____ 1155

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	6.62	4 CPM 10/5	400	~2	13.76	785	6.47	-23.7	1.19	2.96	Turbidimeter defective wont direct read
1120	6.62	4 CPM 10/5	400	~4	13.29	764	6.45	-22.8	0.55	0.97	
1125	6.60	↓	400	~6	13.34	751	6.51	-26.3	0.45	0.88	
1130	6.60	↓	400	8	17.30	757	6.52	-32.9	0.52	0.33	
1135	6.60	↓	400	10	18.31	796	6.55	-35.5	0.57	0.40	
1140	6.60	↓	400	12	18.26	799	6.58	-35.5	0.57	0.27	
1145	6.58	↓	400	14	17.96	790	6.59	-34.4	0.56	0.29	
1150	6.56	↓	400	16	18.10	776	6.58	-34.0	0.56	0.24	
1155	↓			S	A	M	P	L	E	—1	
1200											
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Quick turb 1.04 10.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 1 of 1

Location (Site/Facility Name) SRSNE
Well Number MW-415 Date 5/25/10
Field Personnel Remotti
Sampling Organization O&M Fac
Identify MP TOC

Depth to 6.81 / 11.8 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9.3
Purging Device; (pump type) 10933
Total Volume Purged 23206

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments DUP Collected
1500	5.7'	10/5	400	400	15.06						
1505	5.7'	10/5	400	2400	15.06	447	6.15	-0.7	1.27	20.6	
1510	5.7'	10/5	400	4400	14.61	463	5.97	1.9	1.02	9.62	
1515	5.7	10/5	400	6400	13.24	496	5.80	3.9	0.64	7.70	
1520	5.7	10/5	400	8400	13.24	516	5.76	4.7	0.58	3.46	
1525	5.7'	10/5	400	10400	13.25	505	5.77	4.6	0.59	3.16	
1530	5.7'	10/5	400	12400	13.19	504	5.74	5.3	0.56	1.66	
1535	5.7'	10/5	400	14400	13.11	504	5.73	5.8	0.55	1.44	
1540	5.7'	10/5	400	16400							S
											Sampled @ 1550
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 05/25/10
Field Personnel Kenett.
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 2145

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments Sunny 70-92°F
0828	8.71	12/3	100	0	13.80	457	7.42	35.8	0.96	18.0	YSI Model Sonde
0905	8.97	" "	3700 100	3700	↓	↓	↓	↓	↓	↓	water level Stable.
0910	~~8.97~~ 8.97	" "	4200 100	4200	13.74	455	7.92	36.5	0.94	19.5	Supplemental Sample
0915	8.97	" "	4700 100	4700	13.76	455	7.44	36.4	0.95	10.77	
0920	8.97	" "	5200 100	5200	13.80	455	7.44	37.4	0.94	7.29	
0925	8.97	" "	100	5300	13.85	454	7.46	38.2	0.95	7.12	
0930	8.97	" "	100	6200	13.86	455	7.46	38.4	0.94	6.38	
0935	8.97	" "	100	~~6700~~	14.02	454	7.47	39.0	0.93	10.1	
0940	8.97	" "	100	8200	14.02	453	7.49	39.5	0.96	19.6	
0945	8.97	" "	100	9200	14.69	455	7.50	39.1	0.96	32.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-416 Date 5/25/10
Field Personnel Ramdt;
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments
0950	8.97	12/3	100	8200	13.95	458	7.45	41.9	0.91	31.2	
0955	8.97	12/3	100	8700	13.93	460	7.43	43.0	0.89	29.3	
1000	8.97	12/3	100	9200	13.96	467	7.39	43.8	0.90	27.2	
1005	8.97	12/3	100	9700	13.84	479	7.33	44.8	0.90	26.9	
1010	8.97	12/3	100	10200	13.04	487	7.29	45.7	0.90	24.8	Supplemental collected @ 1005
1015	8.97	12/3	100	10700	14.29	504	7.18	45.1	0.91	23.4	
1620	8.97	12/3	100	11200	14.45	522	7.11	45.2	0.94	22.6	
1625	8.97	12/3	100	11700	14.55	529	7.03	47.2	1.01	21.2	
1630	8.97	12/3	100	12200	14.61	536	7.01	46.3	0.97	20.2	
1635	8.97	12/3	100	12700	14.46	543	6.98	47.0	0.96	20.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 5/25/10
Field Personnel J Kenoffi
Sampling Organization O&M Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 16230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:40	8.97	12/3	100	13200	14.39	551	6.92	47.2	0.95	19.8	
10:45		12/3	100	13700	14.31	551	6.90	46.7	0.95	19.64	
10:50		12/3	100	14200	14.32	552	6.87	45.1	0.94	18.9	
10:55		12/3	100	14700	1434	552	6.85	44.5	0.94	18.5	
11:00		12/3	100	15200							Sampled @ 1100
11:05		12/3	100	15700							
		12/3									
		12/3									
		1									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 1 of 1

Location (Site/Facility Name) SRSNE
Well Number MW-415 Date 5/25/10
Field Personnel Remotti
Sampling Organization O&M Fac
Identify MP TOC

Depth to 6.81 / 11.8 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9.3
Purging Device; (pump type) 10933
Total Volume Purged 23206

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments DUP Collected
1500	5.7'	10/5	400	400	15.06						
1505	5.7'	10/5	400	2400	15.06	447	6.15	-0.7	1.27	20.6	
1510	5.7'	10/5	400	4400	14.61	463	5.97	1.9	1.02	9.62	
1515	5.7	10/5	400	6400	13.24	496	5.80	3.9	0.64	7.70	
1520	5.7	10/5	400	8400	13.24	516	5.76	4.7	0.58	3.46	
1525	5.7'	10/5	400	10400	13.25	505	5.77	4.6	0.59	3.16	
1530	5.7'	10/5	400	12400	13.19	504	5.74	5.3	0.56	1.66	
1535	5.7'	10/5	400	14400	13.11	504	5.73	5.8	0.55	1.44	
1540	5.7'	10/5	400	16400							S
											Sampled @ 1550
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 05/25/10
Field Personnel Kenett.
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 2145

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments Sunny 70-92°F
0828	8.71	12/3	100	0	13.80	457	7.42	35.8	0.96	18.0	YSI Model Sonde
0905	8.97	" "	3700 100	3700	↓	↓	↓	↓	↓	↓	water level Stable.
0910	~~8.97~~ 8.97	" "	4200 100	4200	13.74	455	7.92	36.5	0.94	19.5	Supplemental Sample
0915	8.97	" "	4700 100	4700	13.76	455	7.44	36.4	0.95	10.77	
0920	8.97	" "	5200 100	5200	13.80	455	7.44	37.4	0.94	7.29	
0925	8.97	" "	100	5300	13.85	454	7.46	38.2	0.95	7.12	
0930	8.97	" "	100	6200	13.86	455	7.46	38.4	0.94	6.38	
0935	8.97	" "	100	~~6700~~	14.02	454	7.47	39.0	0.93	10.1	
0940	8.97	" "	100	8200	14.02	453	7.49	39.5	0.96	19.6	
0945	8.97	" "	100	9200	14.69	455	7.50	39.1	0.96	32.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-416 Date 5/25/10
Field Personnel Ramdt;
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments
0950	8.97	12/3	100	8200	13.95	458	7.45	41.9	0.91	31.2	
0955	8.97	12/3	100	8700	13.93	460	7.43	43.0	0.89	29.3	
1000	8.97	12/3	100	9200	13.96	467	7.39	43.8	0.90	27.2	
1005	8.97	12/3	100	9700	13.84	479	7.33	44.8	0.90	26.9	
1010	8.97	12/3	100	10200	13.04	487	7.29	45.7	0.90	24.8	Supplemental collected @ 1005
1015	8.97	12/3	100	10700	14.29	504	7.18	45.1	0.91	23.4	
1620	8.97	12/3	100	11200	14.45	522	7.11	45.2	0.94	22.6	
1625	8.97	12/3	100	11700	14.55	529	7.03	47.2	1.01	21.2	
1630	8.97	12/3	100	12200	14.61	536	7.01	46.3	0.97	20.2	
1635	8.97	12/3	100	12700	14.46	543	6.98	47.0	0.96	20.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 5/25/10
Field Personnel J Kenoffi
Sampling Organization O&M Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 16230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:40	8.97	12/3	100	13200	14.39	551	6.92	47.2	0.95	19.8	
10:45		12/3	100	13700	14.31	551	6.90	46.7	0.95	19.64	
10:50		12/3	100	14200	14.32	552	6.87	45.1	0.94	18.9	
10:55		12/3	100	14700	1434	552	6.85	44.5	0.94	18.5	
11:00		12/3	100	15200							Sampled @ 1100
11:05		12/3	100	15700							
		12/3									
		12/3									
		1									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PPM

Location (Site/Facility Name) SBSNE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garsiyan
Sampling Organization OSPR
Identify MP Top of Riser

Depth to 89' / 114' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5' BMP
Purging Device; (pump type) Bladder Sample Pro ID# 15751
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	2.98	4 CPM / 40 PSI	450	2.1	Cell	Filing	—	—	—	—	Initial
1045	3.04	4 CPM / 50 PSI	50	"	"		—	—	—	—	No Odor Water Appears Clear
1050	3.04	"	100	1.0	12.43	333	6.18	228	* 19.23	50.9	Check Flow 100 mL/min
1055	3.02	"	"	1.50	12.39	315	6.64	224	16.68	59.1	
1100	3.02	"	"	2.00	12.19	315	6.94	220	17.30	54.3	
1115	3.04	"	"	3.50	13.59	317	7.24	216	16.77	57.5	
1120	3.04	"	"	4.00	13.98	408	7.81	25.1	7.81	42.3	
1125	3.04	"	"	4.50	12.97	402	7.79	37.4	11.72	39.1	
1130	3.04	"	"	5.00	Cell	Filling	—	—	—	—	
1135	3.04	"	"	5.50	12.36	383	7.96	307	2.59	42.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

missed reading

* Check Calibration Records
≠ New Meter Installed.
2 " " " ; Calibrated By A. Plains
See Log Book for Details

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 89' / 114 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5 BMP
Purging Device; (pump type) Bladder
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1140	3.05	4 GPM / 50 PSI	100	6.00	12.50	358	7.96	305	2.50	32.2	
1145	3.04	"	"	6.50	12.03	325	7.98	304	2.55	30.2	Covered Cell & Tubing w/ Jacket to keep out of Sun
1150	3.05	"	"	7.00	11.63	303	7.99	303	2.56	31.6	
1155	3.04	"	"	7.50	11.61	296	8.00	302	2.51	24.1	
1200	3.04	"	"	8.00	11.70	295	8.00	301	2.49	22.8	
1205	3.05	"	"	8.50	11.70	294	8.01	300	2.51	25.9	Checked Flow Through Cell 50 mL/min
1210	3.04	"	50	8.75	12.03	293	8.01	299	2.46	21.7	
1215	3.05	"	"	9.00	12.06	295	8.01	298	2.45	19.7	
1220	3.04	"	"	9.25	12.19	294	8.02	297	2.46	17.0	
1225	3.05	"	"	9.50	11.88	294	8.02	296	2.49	20.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-204A Date 5-15-10
Field Personnel D. Garrigan
Sampling Organization o&m
Identify MP Top of Riser

Depth to 89' / 114' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 101.5'
Purging Device; (pump type) Bladder
Total Volume Purged 10.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1230	3.05	4cps / 50 PSI	50	9.75	11.66	294	8.03	295	2.51	14.9	
1235	3.05	"	50	10.00	11.58	294	8.03	295	2.49	12.6	
1240	3.05	"	"	10.25	11.59	295	8.02	294	2.49	12.6	Collect Sample.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-204B Date
Field Personnel D. Garrigan
Sampling Organization GFM
Identify MP Top of Riser

Depth to 68' / 78' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 73' BMP
Purging Device; (pump type) Bladder Sample Pro Pump ID # 15720
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1230	2.96	4 cpm / 35 PSI	<50	<1	Cell Filling						Initial
1235	2.98	"	150	1.5	14.32	275	7.34	29.2	8.01	18.6	Checked flow. ~150 mL/min No significant draw-down
1240	2.98	"	100	2.0	14.04	271	7.34	33.3	9.58	17.2	Checked Flow Through Cell 100 mL/min
1245	2.98	"	100	2.5	13.20	271	7.33	38.4	9.41	30.8	"
1250 1250	2.97	"	"	3.0	13.42	269	7.41	47.4	9.25	10.9	
1255	2.98	"	"	3.5	12.83	270	7.43	53.0	9.20	4.24	
1300	2.99	"	"	4.0	12.80	268	7.45	53.9	9.20	4.67	
1305	2.97	"	"	4.5	12.82	268	7.47	54.6	9.21	4.09	
1310	2.97	"	"	5.0	12.86	269	7.47	55.7	9.23	3.06	
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

* Air leaking into cell from around base of cell.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Good well, low Turbidity, good flow.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-205B Date 5-14-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 39 / 49 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 44
Purging Device; (pump type) Bladder ID 15751
Total Volume Purged 18.5 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0903	4.78	14/1	25-30								Begin Purging
0930	4.77	13.5/1.5	100	1.0	10.58	299	7.83	391.9	12.57	1.99	
0940	4.77			~1.7	10.31	299	7.85	391.3	12.61	1.03	increasing flow
0950	4.77	13/2	200	3.2	10.09	298	7.86	390.1	12.68	1.05	increasing flow
1000	4.77	12.5/2.5	275	6	10.08	299	7.87	387.7	12.62	0.76	increasing flow
1010	4.77	12/3	350	10	10.01	298	7.88	385.8	12.56	0.33	increasing flow
1020	4.77	11.5/3.5	400	14	9.99	298	7.89	384.1	12.56	0.08	
1025	4.77			16	10.01	298	7.90	381.5	12.46	0.05	
1030	4.77			18.5	10.04	298	7.90	380.5	12.39	0.01	
1035	SAMPLE	TIME		MW-205B-05142010			+ MS/MSD				
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1 of 1

Pump 15251

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW209A Date 5/18/10
Field Personnel Pete Buter
Sampling Organization O&M Inc
Identify MP

Depth to 18 / 38 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 28
Purging Device; (pump type) MicroPurge bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	21.91	4	150 ml/m	1000							Set rate
0910	21.91	4	150	1000	10.26	287	5.95	200.5	10.64	1.35	
0915	21.91	4	150	1750	10.00	292	6.09	194.6	10.51	1.07	
0920	21.91	4	200	2750	9.88	296	6.14	203.8	10.39	0	
0925	21.91	4	200	3750	9.76	297	6.19	204.1	10.33	0	
0930	21.91	4	350	5500	9.64	299	6.21	201.5	10.24	0	
0935	21.91	4	350	8250	9.60	302	6.25	196.8	10.14	0	
0940	21.91	4	350	10000	9.61	307	6.27	193.3	9.99	0	
0945	21.91	4	350	11750	9.58	309	6.31	190.9	9.87	0	
0950	21.92	4	350	13500	9.64	309	6.33	190.0	9.84	0	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW 209B Date 5/19/10
Field Personnel Pete Bunch
Sampling Organization O&M Inc
Identify MP

Depth to 12 / 15 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) bailer
Purging Device; (pump type) bailer
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
	15.8		Sampled w/ dedicated bailer @ 1030								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 1 of 1

Location (Site/Facility Name) SRSNE
Well Number MW-415 Date 5/25/10
Field Personnel Remotti
Sampling Organization O&M Fac
Identify MP TOC

Depth to 6.81 / 11.8 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9.3
Purging Device; (pump type) 10933
Total Volume Purged 23206

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments DUP Collected
1500	5.7'	10/5	400	400	15.06						
1505	5.7'	10/5	400	2400	15.06	447	6.15	-0.7	1.27	20.6	
1510	5.7'	10/5	400	4400	14.61	463	5.97	1.9	1.02	9.62	
1515	5.7	10/5	400	6400	13.24	496	5.80	3.9	0.64	7.70	
1520	5.7	10/5	400	8400	13.24	516	5.76	4.7	0.58	3.46	
1525	5.7'	10/5	400	10400	13.25	505	5.77	4.6	0.59	3.16	
1530	5.7'	10/5	400	12400	13.19	504	5.74	5.3	0.56	1.66	
1535	5.7'	10/5	400	14400	13.11	504	5.73	5.8	0.55	1.44	
1540	5.7'	10/5	400	16400							S
											Sampled @ 1550
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 05/25/10
Field Personnel Kenett.
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 2145

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments Sunny 70-92°F
0828	8.71	12/3	100	0	13.80	457	7.42	35.8	0.96	18.0	YSI Model Sonde
0905	8.97	" "	3700 100	3700	↓	↓	↓	↓	↓	↓	water level Stable.
0910	~~8.97~~ 8.97	" "	4200 100	4200	13.74	455	7.92	36.5	0.94	19.5	Supplemental Sample
0915	8.97	" "	4700 100	4700	13.76	455	7.44	36.4	0.95	10.77	
0920	8.97	" "	5200 100	5200	13.80	455	7.44	37.4	0.94	7.29	
0925	8.97	" "	100	5300	13.85	454	7.46	38.2	0.95	7.12	
0930	8.97	" "	100	6200	13.86	455	7.46	38.4	0.94	6.38	
0935	8.97	" "	100	~~6700~~	14.02	454	7.47	39.0	0.93	10.1	
0940	8.97	" "	100	8200	14.02	453	7.49	39.5	0.96	19.6	
0945	8.97	" "	100	9200	14.69	455	7.50	39.1	0.96	32.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-416 Date 5/25/10
Field Personnel Ramdt;
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 10230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments
0950	8.97	12/3	100	8200	13.95	458	7.45	41.9	0.91	31.2	
0955	8.97	12/3	100	8700	13.93	460	7.43	43.0	0.89	29.3	
1000	8.97	12/3	100	9200	13.96	467	7.39	43.8	0.90	27.2	
1005	8.97	12/3	100	9700	13.84	479	7.33	44.8	0.90	26.9	
1010	8.97	12/3	100	10200	13.04	487	7.29	45.7	0.90	24.8	Supplemental collected @ 1005
1015	8.97	12/3	100	10700	14.29	504	7.18	45.1	0.91	23.4	
1620	8.97	12/3	100	11200	14.45	522	7.11	45.2	0.94	22.6	
1625	8.97	12/3	100	11700	14.55	529	7.03	47.2	1.01	21.2	
1630	8.97	12/3	100	12200	14.61	536	7.01	46.3	0.97	20.2	
1635	8.97	12/3	100	12700	14.46	543	6.98	47.0	0.96	20.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-416 Date 5/25/10
Field Personnel J Kenoffi
Sampling Organization O&M Inc
Identify MP TOC

Depth to 29.4 / 49.4 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 39.4
Purging Device; (pump type) 16230
Total Volume Purged 21450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:40	8.97	12/3	100	13200	14.39	551	6.92	47.2	0.95	19.8	
10:45		12/3	100	13700	14.31	551	6.90	46.7	0.95	19.64	
10:50		12/3	100	14200	14.32	552	6.87	45.1	0.94	18.9	
10:55		12/3	100	14700	1434	552	6.85	44.5	0.94	18.5	
11:00		12/3	100	15200							Sampled @ 1100
11:05		12/3	100	15700							
		12/3									
		12/3									
		1									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

3/3

Location (Site/Facility Name) SRSNE
Well Number MW-501A Date 5-21-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 86 / 91 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 88.5'
Purging Device; (pump type) Bladder ID 10923
Total Volume Purged 27l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	19.85	11.5/3.5	250	25	14.14	198	8.35	98.5	12.32	17	
1045	19.85			27	14.26	198	8.35	100.5	12.56	17	
1050	SAMPLE TIME MW-501A-05212010										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

3/3

Location (Site/Facility Name) SRSNE
Well Number MW-501A Date 5-21-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 86 / 91 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 88.5'
Purging Device; (pump type) Bladder ID 10923
Total Volume Purged 27l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	19.85	11.5/3.5	250	25	14.14	198	8.35	98.5	12.32	17	
1045	19.85			27	14.26	198	8.35	100.5	12.56	17	
1050	SAMPLE TIME MW-501A-05212010										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-501A Date 5-21-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 86 / 91 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 88.5'
Purging Device; (pump type) Bladder ID 10923
Total Volume Purged 27l

1/3

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0841	19.61	13/2									Begin Purging
0900	19.68		30		18.07	207	7.87	69.7	12.86	31	increasing flow
0910	19.71	12.5/2.5	100	~1	16.76	202	8.08	73.6	12.34	550	water became turbid
0915	19.75				15.77	200	8.18	75.9	12.00	450	
0920	19.75			2	15.57	200	8.23	77.1	11.67	210	increasing flow
0925	19.81	12/3	200	3	14.53	199	8.27	78.7	11.58	110	
0930	19.81			4	14.57	198	8.32	79.6	11.29	100	increasing flow
0935	19.87	11.5/3.5	250	5.8	14.20	198	8.36	81.4	11.21	80	
0940	19.87			7	14.23	198	8.35	82.5	11.26	70	
0945	19.87			8.5	13.97	198	8.37	83.9	11.68	60	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-501A Date 5-21-10
Field Personnel A. Plaines
Sampling Organization O & M, Inc
Identify MP TOR

Depth to 86 / 91 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 88.5'
Purging Device; (pump type) Bladder ID 10923
Total Volume Purged 27l

2/3

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0950	19.87	11.5/3.5	250	~10	14.16	198	8.36	84.6	11.54	50	
0955	19.87			11.5	14.15	198	8.37	86.0	11.42	40	
1000	19.87			13.2	14.08	198	8.36	87.4	11.50	36	
1005	19.87			~15	14.17	198	8.34	88.7	11.49	33	
1010	19.87			16	13.82	198	8.35	90.1	11.91	30	
1015	19.87			17.5	14.12	198	8.34	91.3	11.86	26	
1020	19.87			19	14.08	198	8.33	92.8	12.79	24	
1025	19.85			21	14.48	197	8.34	93.9	12.39	22	
1030	19.85			22	14.76	198	8.35	95.2	12.26	20	
1035	19.85			23.5	14.24	198	8.34	97.0	12.28	18	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Page 1 of 2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SPSNE
Well Number MW-501B Date 5/24/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC 19.84' = Initial DTW

Depth to 55.0 / 65.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 60'
Purging Device; (pump type) Bladder # (0234)
Total Volume Purged 2.66 gal (10075 ml)

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	19.87	4l/min	125		17.15	677	7.86	73.6	7.65	31	
0915	19.87		125		15.63	298	7.67	105.7	7.71	17	
0920	19.87		125		15.58	296	7.65	109.4	7.77	29	
0925	19.88		125		15.55	295	7.56	125.2	8.11	12	
0930	19.97		150		15.74	286	7.55	126.0	8.10	31	
0935	19.90		125		16.12	278	7.56	132.9	7.37	40	
0940	19.87		125		16.21	278	7.57	139.6	6.61	39	
0945	19.87		125		15.50	270	7.54	151.2	6.89	38	
0950	19.87		125		15.60	269	7.42	161.0	6.35	38	
0955	19.87		125		15.51	269	7.52	168.0	6.24	38	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

SAMPLE = 1030

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-501D Date 5/24/16
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TOC

Depth to 55.0 / 65.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 60.0'
Purging Device; (pump type) Bladder Pump
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters (mL)	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1000	19.87	4/min	125		15.58	268 +78.5 (EC)	7.51	178.3	6.31	38	
1005	19.87	4/min	125		15.47	268	7.55	182.3	6.17	38	
1010	19.88		125		15.57	267	7.61	189.2	6.14	37	
1015	19.88		125		15.60	267	7.624	90.7	6.24	37	
1020	19.88		125		15.66	266	7.63	191.2	6.01	38	
1025	19.88		125		15.67	266	7.63	191.6	6.07	37	
	SAMPLE		125	1007.5							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/2

Location (Site/Facility Name) SRSNE
Well Number MW-501C Date 05/21/2010
Field Personnel John Lagoudes
Sampling Organization O+M, Remastmil
Identify MP TOR

Depth to 20 / 30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25
Purging Device; (pump type) Bladder ID# 11269
Total Volume Purged 9.40L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
08:50	21.17	14/1									Begin Purge
08:55											
09:00											paused purge, problem with water back flow, checking pump.
09:30	21.17	12.5/2.5	100	0.5	~~17.77~~	~~847~~	~~6.25~~	~~-9.4~~	~~3.91~~	~~25.3~~	Repaired pump, replaced tubing metal grip for tube.
09:35	21.17	11.5/3.5	150	1	17.73	847	6.25	-9.4	3.91	25.3	
09:40	21.20	〃	〃	1.75	15.71	848	6.22	-9.7	2.69	18.0	
09:45	21.20	11/4	190	2.70	15.31	842	6.22	-11.1	2.29	12.5	
09:50	21.20	〃	〃	3.65	15.19	821	6.23	-12.0	2.35	5.10	
09:55	21.20	10.5/4.5	200	4.65	14.97	789	6.25	-15.1	2.49	3.58	
10:00	21.20	〃	〃	5.65	14.60	760	6.26	-15.6	2.69	3.65	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/2

Location (Site/Facility Name) SRSNE
Well Number _____ Date 05/21/2010
Field Personnel John Legordes
Sampling Organization Dim, demaximis.
Identify MP TOR

Depth to 20 / 30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25
Purging Device; (pump type) Bladder ID # 11269
Total Volume Purged 9.40 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:05	21.20	9.5/5.5	250	6.9	14.67	737	6.27	-15.0	2.69	1.64	
10:10	21.21	"	"	8.15	14.01	723	6.28	-14.1	2.80	0.74	
10:15	21.21	"	"	9.40	14.28	711	6.28	-12.5	2.81	0.03	
10:20			Sample time								
			Ended sampling			at 12:05.					
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSUE
Well Number MW-502 Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS ~~6.31~~
Identify MP TOC → (6.31 = Initial DTW)

Depth to 15.0 / 35.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25'
Purging Device; (pump type) Bladder # 1988
Total Volume Purged 4.88 gal total

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0840	6.34		100	—	12.36	900	6.77	91.7	2.14	627	
0845	6.34		100	500	11.74	759	6.38	13.1	1.28	438	
0850	6.34		150	~~2000~~	11.53	717	6.47	-22.5	1.81	305	
0855	6.34		150	~~2750~~	11.62	712	6.52	-31.9	2.25	272	
0900	6.34		150	~~3050~~	11.73	704	6.62	-46.6	2.84	266	
0905	6.34		150	~~3500~~	11.75	704	6.63	-43.9	2.66	240	
0910	6.35		150	~~3950~~	11.87	701	6.65	-49.2	2.20	252	
0915	6.35		150	~~4300~~	11.93	700	6.66	-55.2	2.74	240	
0920	6.35		150	~~5050~~	11.96	696	6.67	-56.4	2.38	187	
0925	6.35		150	~~5800~~	11.94	690	6.69	-61.0	2.17	297	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

good re-charge rate.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-502 Date 5/20/10
Field Personnel TC
Sampling Organization AREA05
Identify MP TIC

Depth to 15.0 / 35.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 25.0'
Purging Device; (pump type) Bladder Pump
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	6.35		150	~~6550~~	12.11	688	6.69	-63.0	1.82	204	
0935	6.35		150	~~7300~~	12.22	6.84	6.69	-65.2	1.76	190	
0940	6.35		150	~~8050~~	12.29	683	6.70	-66.1	1.69	176	~~Over 5 screen volume~~
0945	6.35		150	~~8800~~	12.50	6.88	6.70	-66.0	1.52	179	
0950	6.35		150	~~9550~~	12.51	6.92	6.69	-66.0	1.43	176	
0955	6.35		150	~~10300~~	12.71	6.86	6.69	-66.0	1.19	184	
1000	6.35		150	~~11050~~	12.88	682	6.69	-66.3	1.13	210	
1005	6.35		150		12.91	679	6.70	-68.3	1.24	197	
1010	6.35		150		13.22	680	6.66	-67.1	1.10	180	
1020	6.35		150		13.45	682	6.64	-66.7	0.94	146	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-502 Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TOC

Depth to 15.0 / 35.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 25.0'
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1025	6.35		150		13.77	680	6.63	-70.6	0.76	149	
1030	6.35		150		14.39	680	6.66	-78.1	0.58	151	
1035	6.35		150		14.26	679	6.67	-77.6	0.59	140	
1040	6.35		150		19.71	679	6.67	-78.1	0.54	143	
1045	6.35		150		14.77	679	6.66	-77.7	0.52	143	
1050	6.35		150	1850	14.90	681	6.65	-79.4	0.52	142	
		SAMPLE									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSUE
Well Number MW-502 Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS ~~6.31~~
Identify MP TOC → (6.31 = Initial DTW)

Depth to 15.0 / 35.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25'
Purging Device; (pump type) Bladder # 1988
Total Volume Purged 4.88 gal total

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0840	6.34		100	—	12.36	900	6.77	91.7	2.14	627	
0845	6.34		100	500	11.74	759	6.38	13.1	1.28	438	
0850	6.34		150	~~2000~~	11.53	717	6.47	-22.5	1.81	305	
0855	6.34		150	~~2750~~	11.62	712	6.52	-31.9	2.25	272	
0900	6.34		150	~~3050~~	11.73	704	6.62	-46.6	2.84	266	
0905	6.34		150	~~3500~~	11.75	704	6.63	-43.9	2.66	240	
0910	6.35		150	~~3950~~	11.87	701	6.65	-49.2	2.20	252	
0915	6.35		150	~~4300~~	11.93	700	6.66	-55.2	2.74	240	
0920	6.35		150	~~5050~~	11.96	696	6.67	-56.4	2.38	187	
0925	6.35		150	~~5800~~	11.94	690	6.69	-61.0	2.17	297	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

good re-charge rate.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-502 Date 5/20/10
Field Personnel TC
Sampling Organization AREA05
Identify MP TIC

Depth to 15.0 / 35.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 25.0'
Purging Device; (pump type) Bladder Pump
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	6.35		150	~~6550~~	12.11	688	6.69	-63.0	1.82	204	
0935	6.35		150	~~7300~~	12.22	6.84	6.69	-65.2	1.76	190	
0940	6.35		150	~~8050~~	12.29	683	6.70	-66.1	1.69	176	~~Over 5 screen volume~~
0945	6.35		150	~~8800~~	12.50	6.88	6.70	-66.0	1.52	179	
0950	6.35		150	~~9550~~	12.51	6.92	6.69	-66.0	1.43	176	
0955	6.35		150	~~10300~~	12.71	6.86	6.69	-66.0	1.19	184	
1000	6.35		150	~~11050~~	12.88	682	6.69	-66.3	1.13	210	
1005	6.35		150		12.91	679	6.70	-68.3	1.24	197	
1010	6.35		150		13.22	680	6.66	-67.1	1.10	180	
1020	6.35		150		13.45	682	6.64	-66.7	0.94	146	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-502 Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TOC

Depth to 15.0 / 35.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 25.0'
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1025	6.35		150		13.77	680	6.63	-70.6	0.76	149	
1030	6.35		150		14.39	680	6.66	-78.1	0.58	151	
1035	6.35		150		14.26	679	6.67	-77.6	0.59	140	
1040	6.35		150		19.71	679	6.67	-78.1	0.54	143	
1045	6.35		150		14.77	679	6.66	-77.7	0.52	143	
1050	6.35		150	1850	14.90	681	6.65	-79.4	0.52	142	
		SAMPLE									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1 of 3

pump # 15808

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW701 DR Date 5/12/10
Field Personnel Pete Burton
Sampling Organization O&M Inc
Identify MP

Depth to 93 / 107 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 100
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 9.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1050	17.67	4	50	250							Set rate
1105	17.67	4	50	250	11.15	256	7.14	164.6	40.59	7.21	
1110	17.67	4	50	500	10.98	255	7.32	155.7	10.19	15.7	
1115	17.75	4	50	750	10.78	259	7.40	148.9	9.65	19.5	
1120	18.05	4	100	1250	10.49	262	7.46	147.2	8.84	20.9	
1125	18.11	4	100	1750	10.27	266	7.51	144.9	8.42	18.6	
1130	18.18	4	100	2250	10.21	267	7.55	143.4	8.18	17.2	
1135	18.22	4	100	2750	10.16	268	7.60	138.5	8.07	9.71	
1140	18.27	4	100	3250	10.15	271	7.63	137.3	8.09	4.23	
1145	18.33	4	100	3750	10.14	274	7.66	136.2	8.17	4.08	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW701 DR Date 5/18/10
Field Personnel Pete Bula
Sampling Organization O&M Inc
Identify MP

Depth to 93 / 107 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 100
Purging Device; (pump type) microPurge bladder
Total Volume Purged 9.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1150	18.39	4	100	4250	10.13	280	7.69	133.5	8.23	1.63	
1155	8.34	4	100	4750	10.14	285	7.70	134.8	8.23	1.30	
1200	18.20	4	100	5250	10.23	288	7.72	136.4	8.17	1.36	
1205	18.32	4	100	5750	10.17	294	7.74	133.5	8.17	0.55	
1210	18.30	4	100	5250	10.23	298	7.74	135.5	8.18	0.10	
1215	18.35	4	100	5750	10.13	304	7.75	133.9	8.20	0.30	
1220	18.35	4	100	6250	10.11	305	7.77	137.2	8.19	0.0	
1225	18.40	4	100	6750	10.06	309	7.78	131.3	8.19	0.0	
1230	18.40	4	100	7250	10.06	309	7.78	133.8	8.14	0.0	
1235	18.40	4	100	7750	10.07	311	7.79	130.0	8.19	0.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW704 DR Date 5/18/10
Field Personnel Pete Butler
Sampling Organization O&M Inc
Identify MP

Depth to 93 / 107 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 100
Purging Device; (pump type) Micropurge
Total Volume Purged 9.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1240	18.45	4	100	8250	10.09	314	7.78	128.6	8.19	0.0	
1245	18.45	4	100	8750	10.04	317	7.81	127.6	8.17	0.0	
1250	18.45	4	100	9250	10.07	317	7.82	126.2	8.14	0.0	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1 / 2

Location (Site/Facility Name) SRS NE
Well Number MW-703D Date 5/12/10
Field Personnel M. GRUBB, J. LAGUNAS, A. PLAINES
Sampling Organization O&M, DEMAXIMUS
Identify MP TOP OF ~~CASING~~ Riser

Depth to 74 / 84 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 79
Purging Device; (pump type) BLADDER ID = 1.5 7.28
Total Volume Purged 16L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS/cm~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0947	8.36	12 3 2pm4	75								Begin Purging → FLOW CELL NOT FULL
0956	8.36	10.5 2.5 pm4	100								
1000	8.42	10.5 4.5 2pm4	100		8.10	.235	6.49	43.6	9.33	1014	
1005	8.41	" "	100		8.10	.237	6.52	52.1	10.28	758	
1010	8.44	9.5 5.5 2pm4	150		8.49	.242	6.57	58.6	9.31	375	
1015	8.43	" "	150		8.59	.244	6.59	61.0	9.20	321	
1020	8.50	9.0 8.0 2pm4	275	4L	8.85	.247	6.61	65.7	9.10	283	
1025	8.50	" "	275		8.81	.248	6.62	68.6	9.05	235	
1030	8.51	" "	275	7L	8.85	.250	6.63	69.8	9.00	210	
1035	8.45	" "	"	8L	8.79	.251	6.64	71.2	9.01	175	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRS NE
Well Number MW-703D Date 5/12/10
Field Personnel M. Brehb, J. Lagoudes, A. Plaines
Sampling Organization otm, Nemaximic
Identify MP Top of riser

Depth to 74 / 84 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 79
Purging Device; (pump type) Bladder ID# 15728
Total Volume Purged 16L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	8.47	8 cons	275	10 L	8.80	.254	6.65	72.8	9.00	153	
1045	8.45	" "	" "	11 L	8.91	.254	6.66	73.3	8.95	145	
1050	8.47	" "	" "	13 L	9.01	.256	6.67	74.1	8.98	123	
1055	8.49			14 L	9.02	.256	6.68	74.7	8.95	119	
1100	8.50			16 L	9.15	.257	6.68	75.2	8.94	122	
~~1105~~				~~16 L~~							sample time 11:15
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

MJ 5-12-10

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-703DR Date 5/12/10
Field Personnel M. GRUBB, J. LAGOUDAS, A. PLAINES
Sampling Organization O+M / DEMAXIMIS
Identify MP TOP OF CASING (NEW) Riser

Depth to 144.3 / 174.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 159 fr. orig. TOC
Purging Device; (pump type) BLADDER ID = 9198
Total Volume Purged 8.0 L

Clock Time 24 HR	NEW TOC Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS/cm~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments Well was cut-down ~1.89' to get pump in well.
1148	0.51	12.5 / 2.5									
1210	2.44	10 / 5	100		8.78	1.014	7.77	20.6	3.53	19.4	OUT OF GAS ↓
1220	3.06	11 / 4	50		8.76	1.013	8.18	-21.7	3.44	18.0	
1235	3.08				8.83	1.017	F.46	-81.6	2.83		HOOKED-UP COMPRESSOR * NO FLOW
1400											PULLED-OFF WELL
1600	3.18	11/4	50	50	Cell	Not Fill ~	No	Reading.			Initial D. Garrigan
1610	3.70	"	50	50	"						
1615	4.00	"	50	50	"						
1620	4.48	"	50	1.0	9.10	0.93	6.98	119.8	4.76	17.3	
1625	5.19	"	50	1.25	9.12	0.94	7.49	101.3	3.62	36.6	Re-checked Flow
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

DR 5-12-1

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-703DR Date 5-12-10
Field Personnel D. Garrigan
Sampling Organization GeoM, Inc
Identify MP Top of Riser

Depth to 144.3 / 174.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 159' From original Top of Riser
Purging Device; (pump type) Bladder Sample Pro 9198
Total Volume Purged 8.0 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1630	5.57	1/4	50	1.5	9.16	0.95	7.66	95.7	3.19	30.0	
1635	6.11	"	"	1.75	9.17	0.95	7.91	88.6	2.32	27.2	
1640	6.57	"	"	2.0	9.17	0.96	8.09	83.6	1.83	22.3	
1645	6.77	"	"	2.25	9.14	0.94	8.22	78.0	1.40	21.6	
1650	6.95	"	"	2.50	9.15	0.96	8.30	74.0	1.35	23.1	Checked Flow 50 mL/min
1655	7.11	"	"	2.75	9.14	0.96	8.37	70.9	1.33	19.3	
1700	7.33	"	"	3.00	9.14	0.96	8.43	65.0	1.29	20.0	
1705	7.59	"	"	3.25	9.07	0.96	8.52	59.0	1.21	21.8	
1710	7.82	"	"	3.50	8.99	0.96	8.58	52.8	1.10	19.3	
1715	8.06	"	"	3.75	8.97	0.96	8.63	45.5	0.98	18.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

JH 5-12-10

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-703DR Date 5-12-10
Field Personnel D. Gassiegan
Sampling Organization O&M, Inc
Identify MP Top of (New) Riser

Depth to 144.3 / 174.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 159 from original Top of Riser
Purging Device; (pump type) Bladder Sample Pro 9198
Total Volume Purged 8.0L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1720	8.35	11/4	50	4.0	8.97	0.96	8.68	36.7	0.87	18.5	
1725	8.51	"	"	4.25	8.97	0.96	8.70	32.0	0.84	14.0	
1730	8.67	"	"	4.50	8.95	0.94	8.72	26.4	0.83	13.6	
1735	8.87	"	"	4.75	8.94	0.96	8.74	19.9	0.81	14.7	
1740	9.05	"	"	5.00	8.94	0.96	8.76	14.0	0.79	15.2	
1745	9.22	"	"	5.25	8.93	0.96	8.78	8.2	0.79	15.2	
1750	9.38	"	"	6.00	8.95	0.96	8.79	0.7	0.78	20.1	
1755	9.53	"	"	6.25	8.96	0.96	8.81	-5.7	0.74	20.1	
1800	9.65	"	"	6.50	8.97	0.97	8.82	-14.9	0.73	15.9	
1805	9.88	"	"	6.75	8.97	0.97	8.82	-23.3	0.72	14.7	~~Collect~~ NO
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

5-12-10

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESNE
Well Number MW-703DR Date 5-12-10
Field Personnel D. Garrigan
Sampling Organization O&M, Inc
Identify MP Top of Riser

Depth to 144.3 / 174.3 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 159' From Original Riser
Purging Device; (pump type) Bladder Sample Pro # 9198
Total Volume Purged 8.0

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1810	10.00	11/4	50	7.0	8.97	0.97	8.84	-37.3	0.78	14.4	
1815	10.11	"	"	7.25	8.97	0.97	8.84	-47.9	0.84	13.7	
1820	10.25	"	"	7.50	8.97	0.97	8.86	-57.7	0.91	12.7	
1825	10.35	"	"	7.75	8.97	0.97	8.87	-65.0	0.95	14.8	
1830	10.46	"	"	8.00	8.97	0.97	8.87	-79.0	0.92	11.2	Collect Samples
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-703S Date 5/11/10
Field Personnel M. GRUBB, J. LAGOUDES, A. PLAINES
Sampling Organization O+M, INC / DEMAX
Identify MP TOC MARK

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30
Purging Device; (pump type) BLADDER ID = 10216
Total Volume Purged 19.5 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1700	8.86										BEGIN PURGE
1705	8.89	12 3 cpm 4	150		10.02	.169	7.23	129.3	10.07	35	
1710	8.90	" "	150		9.70	.171	7.00	134.5	9.84	27	
1715	8.89	1 1 4 cpm 4	200		9.49	.179	6.82	139.6	9.72	23	
1720	8.87	" "	200	2	9.52	.182	6.61	147.7	9.53	21	
1725	8.87	" "	250	3	9.52	.182	6.39	154.2	9.43	18	
1730	8.87	9 6 cpm 4	300	4	9.55	.184	6.34	156.6	9.38	17	
1735	8.87	7.5 7.5 cpm 4	350	6	9.55	.188	6.27	161.8	9.33	13	
1740	8.86	6.5 8.5 cpm 4	350	8	9.56	.189	6.30	164.7	9.31	9.5	
1745	8.88	" "	350	10	9.55	.188	6.28	166	9.31	8.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-703S Date 5/11/10
Field Personnel
Sampling Organization
Identify MP

Depth to ____/____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP)
Purging Device; (pump type)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1750	8.88	6.5 0.5 CPM4	350	12	9.55	.188	6.32	167.4	9.32	7.0	
1755	8.88	" "	350	13.5	9.57	.189	6.38	167.2	9.33	5.1	
1800	8.88	" "	350	14.5	9.56	.189	6.42	167.3	9.34	4.2	
1805	8.88	" "	350	17.5	9.58	.190	6.44	167.9	9.34	4.4	
1810	8.88	" "	350	19.5	9.56	.189	6.49	167.4	9.35	4.0	
		SAMPLE TIME @ 18:15									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location:
Well ID: ~~(E) MW-704DR~~ MW-704D
Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):
Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: ~~2~~ 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0920
Weather Conditions: Sunny, High of 65°
Depth to groundwater at time of deployment: 5.98
Total well depth at time of deployment: 63 ft
Dimensions of HydraSleeve™: Length (in.) ~~3~~ 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 58'

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: ~~0930~~ 1145
Total # of days deployed: 1
Weather Conditions: Sunny, 62°
Depth to groundwater at time of retrieval: 5.98 (Pre-removal) 6.01 (ft) (Post)
Total well depth at time of retrieval: 63 (ft)
Downhole Field Parameters Upon Retrieval:
Temp: 10.12 (°C) **ORP:** 180.2 (mV) **Water quality meter:** YSI 650 MDS
pH: 6.11 **DO:** 6.39 (mg/L) **Serial #:** 06J 1598

Notes/Observations:

TURB = 4.06 NTUs

Field Sampling Technician: Name(s) and Company

Name	Company
EDWARD CIMILLECA	ARCADIS
CHRIS TRAUBRIDGE	"

Initial Headspace: 0.0ppm

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

pump: 08087

Location (Site/Facility Name) SRSNF
Well Number MW-704D Date 5/12/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of PVC Casing (5.33)

Depth to 53 / 63 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 58
Purging Device; (pump type) bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:13	5.32	10/5 clm	125	0	9.38	0.375	7.16	-3.5	1.74	40	
10:18	5.32	10/5 clm	125	.625	9.40	0.383	7.21	-17.1	1.40	35	
10:23	5.32	10/5 clm	125	1.250	9.34	0.383	7.24	-23.0	1.42	29	
10:28	5.32	10/5 clm	125	1.875	9.44	0.384	7.25	-29.9	1.50	24	
10:33	5.32	10/5 clm	125	2.5	9.42	0.385	7.27	-34.3	1.29	21	
10.38	5.72	10/5 clm	125	3.125	9.40	0.384	7.28	-38.2	1.05	17	
10.43	5.32	10/5 clm	125	3.75	9.37	0.384	7.28	-40.2	1.03	16	
10:48	5.32	10/5 clm	125	4.375	9.38	0.385	7.27	-42.6	1.00	15	
10:53	5.32	10/5 clm	125	5.0	9.52	0.384	7.27	-45.3	0.88	14	
10.58	5.32	10/5 clm	125	5.625	9.64	0.384	7.28	-47.0	0.89	13	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-70D Date 5/12/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of PVC Casing

Depth to 53 / 63 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 58
Purging Device; (pump type) bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11:03	5.32	10/5 dm	125	6.25	9.72	0.384	7.28	-46.5	0.94	12	
11:08	5.32	10/5 dm	125	6.875	9.69	0.384	7.28	-47.9	0.95	11	
11:13	9.32	10/5 dm	125	7.5	9.73	0.385	7.28	-49.8	0.91	9.6	
11:18	5.32	10/5 dm	125	8.125	9.65	0.384	7.29	-50.5	0.88	8.1	
11:23	5.32	10/5 dm	125	8.75	9.67	0.384	7.28	-48.4	0.90	6.8	
11:28	5.32	10/5 dm	125	9.375	9.69	0.384	7.28	-49.0	0.88	5.2	
11:33	5.32	10/5 dm	125	10	9.74	0.384	7.28	-48.7	0.89	4.7	
11:38	5.32	10/5 dm	125	10.625	9.74	0.384	7.28	-47.5	0.89	4.5	
11:43	5.32	10/5 dm	125	11.250	9.68	0.384	7.29	-48.3	0.92	4.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-704D

Well Type: (•) Monitoring • Other: _____
Well Finish: (•) Stick Up • Flush Mount
Measuring Pt: (•) Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** _____
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/13/10 Time: 0900
Weather Conditions: Sunny, High of 67
Depth to groundwater at time of deployment: 5.25
Total well depth at time of deployment: 63
Dimensions of HydraSleeve™: Length (in.) 2' Diameter (in.) 2"
Deployment Method/Position of Weight:

(•) Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 58'

Retrieval

Date and Time of Retrieval: Date: 5/14/10 Time: 0925
Total # of days deployed: 1
Weather Conditions: overcast 56°
Depth to groundwater at time of retrieval: (Pre) 5.69' (Post) 5.25
Total well depth at time of retrieval: 63
Downhole Field Parameters Upon Retrieval:
Temp: 10.07 (°C) **ORP:** -20.1 (mV) **Water quality meter:** YSI 650 MDS 06J1509818
pH: 7.57 **DO:** 2.53 (mg/L) **Serial #:** _____

Notes/Observations: Turb = 25 NTU.

Field Sampling Technician: Name(s) and Company

Name	Company
SO CIMILLUCA	ARCADIS
CHRIS TROWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O'Brien
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117'
Purging Device; (pump type) Bladder - Sample Pro ID # 9198
Total Volume Purged 5.25 Gallons Actual

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1135	34.42	4cpm / 60PSI		< 1.00	Cell Filling		—	—	—	—	Initial
1140	34.72		100	"	"	"	—	-	—	—	Flow Rate not Through cell ~100 mL/min Reduced Pressure.
1145	35.03	4cpm / 45PSI	< 50	"	"	"	—	—	—	—	Increase Pressure a little
1150	35.17	"	~50	"	"	"					will measure through full cell
1155	35.20	"	50	"	12.11	512	7.16	49.1	3.80	40.9	Flow Rate Through cell 50 mL/min
1200	35.27	"	"	"	11.93	517	7.17	47.0	2.86	26.2	
1205	35.30	"	"	"	11.66	523	7.17	42.8	1.70	18.3	
1210	35.35	"	"	2.00	11.57	526	7.19	40.0	1.28	19.9	
1215	35.36	"	"	2.25	11.49	528	7.20	35.3	0.92	18.9	Flow Rate Through cell 50 mL/min
1220	35.37	"	"	2.50	11.44	529	7.20	33.7	0.81	19.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1225	35.32	4cpm / 60psi	50	2.75	11.46	529	7.21	31.6	0.72	18.6	Check Flow Rate Through Cell 50 mL/min
1230	35.28	"	"	3.00	11.48	530	7.21	30.3	0.70	19.5	
1235	35.21	"	"	3.25	11.53	530	7.21	28.1	0.65	19.5	
1240	35.20	"	"	3.50	11.49	530	7.21	26.9	0.61	21.5	
1245	35.19	"	"	3.75	11.47	532	7.22	25.3	0.59	24.7	
1250	35.11	"	"	4.00	11.51	533	7.22	24.3	0.57	24.7	
1255	35.08	"	"	4.25	11.54	534	7.23	23.8	0.56	28.9	Checked Flow Rate Through Cell 50 mL/min
1300	34.98	"	"	4.50	11.67	535	7.23	23.0	0.56	23.7	
1305	34.80	"	"	4.75	12.04	536	7.24	22.8	0.59	26.5	
1310	34.81	"	"	5.00	11.84	542	7.24	22.4	0.63	20.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O'Brien
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117'
Purging Device; (pump type) Bladder - Sample Pro ID # 9198
Total Volume Purged 5.25 Gallons Actual

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1135	34.42	4cpm / 60PSI		< 1.00	Cell Filling		—	—	—	—	Initial
1140	34.72		100	"	"	"	—	-	—	—	Flow Rate not Through cell ~100 mL/min Reduced Pressure.
1145	35.03	4cpm / 45PSI	< 50	"	"	"	—	—	—	—	Increase Pressure a little
1150	35.17	"	~50	"	"	"					will measure through full cell
1155	35.20	"	50	"	12.11	512	7.16	49.1	3.80	40.9	Flow Rate Through cell 50 mL/min
1200	35.27	"	"	"	11.93	517	7.17	47.0	2.86	26.2	
1205	35.30	"	"	"	11.66	523	7.17	42.8	1.70	18.3	
1210	35.35	"	"	2.00	11.57	526	7.19	40.0	1.28	19.9	
1215	35.36	"	"	2.25	11.49	528	7.20	35.3	0.92	18.9	Flow Rate Through cell 50 mL/min
1220	35.37	"	"	2.50	11.44	529	7.20	33.7	0.81	19.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1225	35.32	4cpm / 60psi	50	2.75	11.46	529	7.21	31.6	0.72	18.6	Check Flow Rate Through Cell 50 mL/min
1230	35.28	"	"	3.00	11.48	530	7.21	30.3	0.70	19.5	
1235	35.21	"	"	3.25	11.53	530	7.21	28.1	0.65	19.5	
1240	35.20	"	"	3.50	11.49	530	7.21	26.9	0.61	21.5	
1245	35.19	"	"	3.75	11.47	532	7.22	25.3	0.59	24.7	
1250	35.11	"	"	4.00	11.51	533	7.22	24.3	0.57	24.7	
1255	35.08	"	"	4.25	11.54	534	7.23	23.8	0.56	28.9	Checked Flow Rate Through Cell 50 mL/min
1300	34.98	"	"	4.50	11.67	535	7.23	23.0	0.56	23.7	
1305	34.80	"	"	4.75	12.04	536	7.24	22.8	0.59	26.5	
1310	34.81	"	"	5.00	11.84	542	7.24	22.4	0.63	20.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1315	34.89	4cpm / 60psi	50	5.25	11.57	553	7.24	20.9	0.55	19.2	
1320	35.16	"	"	5.50	11.59	556	7.25	20.3	0.53	18.8	checked Flow Through Cell ~50 mL/min
1325	35.91	"	"	5.75	11.58	561	7.26	19.5	0.55	20.2	
1330	36.34	"	"	6.00	11.50	565	7.27	18.9	0.54	22.7	Checked Flow Through Cell ~60 mL/min. No change in setting. Water level in well Dropping?
1335	36.70	"	"	6.25	11.48	5.66	7.27	18.5	0.54	29.8	
1340	37.90	"	"	6.50	11.60	5.67	7.26	19.3	0.54	44.8	Cycle Counter changed w/o operator. Explains rapid water level Drop.
1345	37.72	"	"	6.75	11.79	5.65	7.26	19.7	0.56	45.4	
1350	37.17	"	"	7.00	11.71	559	7.24	22.4	0.61	25.6	
13.55	37.15	"	"	7.25	11.73	557	7.23	22.6	0.60	26.0	
1400	37.10	"	"	7.50	11.92	556	7.24	22.8	0.62	19.9	60°F
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SR3NE
Well Number MW-7040R Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization Otm
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1405	37.04	4cpm/60psi	50	7.75	11.90	558	7.24	22.0	0.62	17.6	
1410	37.02	"	"	8.00	11.83	564	7.25	20.3	0.60	14.5	
1415	37.02	"	"	8.25	11.79	568	7.26	17.9	0.56	12.6	
1420	37.00	"	"	8.50	11.73	571	7.27	15.8	0.52	11.9	Checked Flow Rate Through cell 50 mL/min
1425	36.98	"	"	8.75	11.74	574	7.26	14.6	0.49	13.7	
1430	36.98	"	"	9.00	11.72	579	7.26	13.1	0.48	14.5	
1435	36.88	"	"	9.25	11.89	581	7.28	13.2	0.47	16.5	Checked Flow Rate Through cell 40 mL/min, No change in settings
1440	36.80	"	"	9.50	11.91	585	7.28	13.0	0.49	18.3	
1445	36.78	"	"	9.75	11.95	586	7.28	12.3	0.49	17.8	
1450	36.80	"	"	10.00	11.89	589	7.28	11.7	0.49	17.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Gerrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1455	36.80	40PM / 60PSI	40	10.25	11.86	591	7.27	10.7	0.46	27.5	Checked Flow Rate Through Cell 50 mL/min.
1500	36.76	"	50	10.50	12.08	590	7.27	10.2	0.44	23.3	
1505	36.65	"	"	10.75	12.27	591	7.27	9.7	0.44	24.0	
1510	36.61	"	"	11.00	12.22	591	7.27	9.0	0.45	27.2	
1515	36.48	"	"	11.25	12.42	591	7.27	8.9	0.45	29.3	Checked Flow Rate Through Cell 50 mL/min
1520	36.45	"	"	11.50	12.18	594	7.28	7.8	0.47	27.5	
1525	36.41	"	"	11.75	12.24	593	7.27	7.0	0.47	38.8	
1530	36.38	"	"	12.00	12.26	594	7.27	6.5	0.46	32.1	
1535	36.25	"	"	12.25	12.32	595	7.27	6.3	0.46	37.2	
1540	36.22	"	"	12.50	12.18	597	7.28	5.5	0.46	43.8	Checked Flow Rate Through Cell 50 mL/min
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704DR Date 5-19-10
Field Personnel D. Garrigan
Sampling Organization GTH
Identify MP Top of Casing Riser

Depth to 102' / 132' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 117' BMP
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1545	36.21	4cpm / 60 PSI	50	12.75	12.23	598	7.27	4.8	0.46	45.5	
\	\	\	\	\	\	\	\	\	\	\	5.0 Gallons Purged Begin Readings for Sample
1550	36.20	"	"	13.00	12.25	598	7.26	3.9	0.46	40.0	
1555	35.95	"	"	13.25	12.27	600	7.26	3.6	0.47	41.1	
1600	35.93	"	"	13.50	12.20	601	7.26	3.1	0.46	39.8	Collect Sample
											Condition 4 + 30' Screen
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SPCSNE
Location: SOUTHINGTON, CT
Well ID: MW-704M

Well Type: (•) Monitoring ( ) Other: _____
Well Finish: (•) Stick Up ( ) Flush Mount
Measuring Pt: (•) Top of Casing ( ) Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0940
Weather Conditions: Sunny, High of 65°
Depth to groundwater at time of deployment: 5.21 (FH)
Total well depth at time of deployment: 47 (FH)
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2

Deployment Method/Position of Weight:

(•) Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

( ) Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 42'

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1215
Total # of days deployed: 1
Weather Conditions: Sunny, 62°
Depth to groundwater at time of retrieval: 5.21 (Pre) (Post)
Total well depth at time of retrieval: _____
Downhole Field Parameters Upon Retrieval:
Temp: 10.12 (°C) **ORP:** 178.9 (mV) **Water quality meter:** YSI 650 MDS
pH: 6.06 **DO:** 6.54 (mg/L) **Serial #:** 06J1598

TURB = 10.54

Notes/Observations:

Field Sampling Technician: Name(s) and Company

Name	Company
GD Cimilluca	ARCADIS
& Kris Trowbridge	"

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1/2

Location (Site/Facility Name) SRSNE
Well Number MW-704M Date 5/14/10
Field Personnel M. GRUBB
Sampling Organization O+M, INC
Identify MP TOP OF RISER MARK

Depth to 37 / 47 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 42
Purging Device; (pump type) MINE BLADDER ID = 10023
Total Volume Purged 6

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
8:52	4.33	11.5 3.5 CPM 4									BEGIN PURGE
9:00	—	10.5 4.8 CPM 4									FLOW CELL FULL @ 9:05
9:25	4.89	6 CPM 5	100								MAX PURGE ATTAINED W/MINE BLADDER
9:30	4.90	7.6 4.4 CPM 5	50		12.75	373	6.71	45.5	1.0	8.6	REDUCED TO 50 ml/min
9:40	4.97	" "	50		13.02	373	6.73	40.0	0.98	0.30	
9:50	4.99	" "	" "	2L	13.50	373	6.75	38.6	1.01	.13	* READINGS COLLECTED EVERY 10 MIN DUE TO
10:00	5.0	" "	" "	~~2~~ 4L	13.77	374	6.76	35.1	1.03	.05	LARGE FLOW CELL (95 ml) & MINE PUMP
10:10	5.02	" "	" "		13.58	375	6.76	35.7	1.00	.75	
10:20	5.03	" "	" "	3	13.38	376	6.77	35.1	0.98	3.6	
10:30	5.03	" "	" "		13.58	377	6.78	32.9	0.98	.50	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704 M Date 5/14/10
Field Personnel M. GRUBB
Sampling Organization O+M, INC
Identify MP TOP OF RISER MARK

Depth to 37/47 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 42
Purging Device; (pump type) MINE BLADDER ID = 10093
Total Volume Purged 6

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:40	5.03	7.4 4.4 LPM'S	50	4	13.81	379	6.78	29.3	0.98	0.0	
10:50	5.04	"	"		14.08	380	6.80	27.4	0.98	0.0	
11:00	5.05	"	"	5	14.68	382	6.81	26.6	1.04	0.0	
11:10	5.05	"	"		14.84	383	6.82	26.9	1.03	0.0	
11:20	5.06	"	"	6	14.93	384	6.82	26.1	1.05	0.0	
			SAMPLE TIME: 11:25								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON CT
Well ID: ~~MW-704R~~ MW-704M

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): _____
Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** _____
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/19/10 Time: 1445
Weather Conditions: Sunny
Depth to groundwater at time of deployment: ~~6.32~~ ~~6.8~~ 5.32
Total well depth at time of deployment: 89.0'
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 63

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 1115
Total # of days deployed: 3
Weather Conditions: Sunny, 68°
Depth to groundwater at time of retrieval: (Pre) 5.30 (5.31) (Post retrieval)
Total well depth at time of retrieval:
Downhole Field Parameters Upon Retrieval:
Temp: 10.51 (°C) **ORP:** 10.8 (mV) **Water quality meter:** YSI
pH: 6.63 **DO:** 3.47 (mg/L) **Serial #:** 07A14801AC

Notes/Observations: TURB = 4.37

Field Sampling Technician: Name(s) and Company

Name	Company
ED CANNELLA	ARCADIS
CHRIS TROWBRIDGE	ARCADIS

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-704R

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): 4"

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10'
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: ~~3~~ 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0950
Weather Conditions: Sunny, high of 65°F
Depth to groundwater at time of deployment: 5.31 (FH)
Total well depth at time of deployment: 89.0
Dimensions of HydraSleeve™: Length (in.) ~~24~~ 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 84 (FH)

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1230
Total # of days deployed: 1
Weather Conditions: Sunny, 62°
Depth to groundwater at time of retrieval: 5.32 (Pre-retrieval) 5.33 (Post-retrieval)
Total well depth at time of retrieval: 89.0
Downhole Field Parameters Upon Retrieval:
Temp: 10.39 (°C) **ORP:** -7.1 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.26 **DO:** 0.65 (mg/L) **Serial #:** 06J1598

Notes/Observations: TURB = 10.19 NTUs

Field Sampling Technician: Name(s) and Company

Name	Company
ED Cimilluca	ARCADIS
Citrin Trowbridge	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-704R Date 5/12/10
Field Personnel EMC
Sampling Organization ARCADIS
Identify MP TOP OF CASING

Depth to 79.0 / 89.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 84'
Purging Device; (pump type) BLADDER
Total Volume Purged

3.37

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1245	3.65		100	—	9.78	0.306	6.79	33.7	10.10	10	
1250	3.65		100	500	9.54	0.302	7.03	45.6	9.35	19	
1255	3.66		100	1000	9.55	0.301	7.14	58.6	9.13	42	
1300	3.66		100	1500	9.64	0.311	7.21	90.7	7.05	65	
1305	3.68		75	2000	9.62	0.315	7.22	97.6	6.78	80	
1310	3.65		100	2500	9.56	0.320	7.21	111.2	5.68	170	
1315	3.66		100	3000	9.64	0.326	7.22	117.3	5.38	160	
1320	3.66		100	3500	9.76	0.329	7.22	122.3	4.94	160	
1325	3.66		100	4000	9.81	0.331	7.22	126.8	4.88	160	
1330	3.66		100	4500	9.74	0.336	7.23	135.4	4.29	160	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) _____
Well Number MW-704R Date 5/12/10
Field Personnel EMC
Sampling Organization ARCADIS
Identify MP _____

Depth to _____/_____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP) _____
Purging Device; (pump type) _____
Total Volume Purged _____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1335	3.66		100	5000	9.57	0.342	7.23	145.1	4.34	160	
1340	3.66		100	5500	9.72	0.344	7.24	153.0	3.76	160	
1345	3.67		100	6000	9.73	0.345	7.24	153.5	3.69	160	
1350	3.67		100	6500	9.92	0.345	7.24	163.1	3.64	160	
1355	3.67		100	7000	9.96	0.347	7.24	164.1	3.45	170	
1400	3.67		100	7500	9.90	0.350	7.23	174.9	3.37	170	
1405	3.68		100	8000	9.73	0.352	7.23	182.2	3.28	170	
1410	3.68		100	8500	9.70	0.353	7.23	183.0	3.27	170	
1415	3.68		100	9000	9.70	0.353	7.24	188.4	3.12	160	
1420	3.68		100	9500	9.73	0.354	7.25	189.9	3.00	160	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Purge rate kept @ 100 ml/min in an effort to control turbidity.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESNG
Well Number MW-709R Date 5/12/10
Field Personnel CO
Sampling Organization ARCADIS
Identify MP

Depth to ____ / ____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP) ____
Purging Device; (pump type) ____
Total Volume Purged ____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1425	3.66		100	10,000	9.73	0.355	7.25	190.7 ~~0.355~~	2.96	150	
1430	3.68		100	10,500	9.64	0.356	7.24	191.0	2.99	150	
1435	3.68		100	11,000	9.61	0.357	7.25	194.9	2.92	150	
1440	3.68		100	11,500	9.68	0.356	7.24	195.4	2.90	150	
1445	3.69		100	12,000	9.63	0.356	7.25	195.0	2.93	140	
	SAMPLE										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-704R

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): _____
Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** _____
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/13/10 Time: 0920
Weather Conditions: SUNNY. HIGH OF 67°
Depth to groundwater at time of deployment: 3.30
Total well depth at time of deployment: 89.0
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. ~~Weight suspended in well.~~
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 84.0

Retrieval

Date and Time of Retrieval: Date: 5/14/10 Time: 1060
Total # of days deployed: 1
Weather Conditions: OVERCAST, 57°
Depth to groundwater at time of retrieval: (Pre) 3.26' Post (3.88')
Total well depth at time of retrieval: 89.0
Downhole Field Parameters Upon Retrieval:
Temp: 10.60 (°C) **ORP:** -12.7 (mV) **Water quality meter:** 06J1594AE (YSE 650 MPS)
pH: 7.47 **DO:** 1.72 (mg/L) **Serial #:** _____

Notes/Observations: Turb = 45 ntus

Field Sampling Technician: Name(s) and Company

Name	Company
G. Comunale	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

~~12~~ 1/4

Location (Site/Facility Name) SRS NE
Well Number MW-7045 Date 05/13/2010
Field Personnel John Lagouder
Sampling Organization Dynamix
Identify MP TOR

Depth to 4 / 19 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5
Purging Device; (pump type) Bladder ID# ~~10234~~ 15808
Total Volume Purged 42 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1545	4.81	13.5 / 11.5									
1550	4.83										Begin Purge
1555	4.90	10.5 / 9.5									
1600		9.5 / ~~8.5~~									
1625		11.5/13.5	125		15.10	90	5.90	373.1	7.41	~~330~~ 370	trouble with pump. very slow. Had to change pump. Pressions
~~1630~~	~~4.83~~		11		15:					~~350~~ 350	Resumed purging.
1630	6.40	13/12.	11							380	
1635	4.80	12.5/12.5	90		15.24	90	5.84	412.4	5.80	400	
1640	4.80	11 11	90		15.24	90	5.83	416.6	5.83	390	
1645	4.90		11		14.82	89	5.82	430.2	5.75	380	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

pump not water flowing out of ft from intake screen.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-7045 Date 05/13/2010
Field Personnel John Lagoudes
Sampling Organization O'M, domaximis
Identify MP TOR

Depth to 4 / 19 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5
Purging Device; (pump type) Bladder ID#15808
Total Volume Purged 42 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1650	4.85	12/3	#100		14.37	89	5.81	439.5	4.83	370	
1655	4.85	"	100	3	13.37	89	5.81	447.3	4.50	350	
1700	4.85	11.5/3.5	125		12.74	89	5.82	453.8	4.07	310	
1705	4.85	10.5/4.5	160		12.57	89	5.81	458.8	3.78	250	
1710	4.87	"	160	5.5	12.09	90	5.79	465.3	3.82	190	
1715	4.90	10/5	200		12.18	90	5.79	465.7	3.25	110	
1720	4.90	9/6	250		11.83	91	5.77	473.1	2.86	70	
1725	4.90	9/6	"	9	11.66	91	5.77	475.7	2.43	60	
1730	4.92	8/7	290		11.45	91	5.79	468.4	2.46	34	
1735	4.90	"	290		11.46	91	5.78	471.0	2.40	25	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-704S Date 05/13/2010
Field Personnel John Legoudes
Sampling Organization O'M; deMaximis
Identify MP TOR

Depth to 4 / 19 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5.
Purging Device; (pump type) Bladder ID# 15808
Total Volume Purged 42 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1740	4.90	7/8	325	14	11.44	91	5.79	477.3	2.36	24	
1745	4.90	7/8	"		11.39	91	5.80	480.3	2.06	19	
1750	4.95	6/9	350		11.19	91	5.84	478.2	6.18	16	
1755	4.95	"	"		11.22	91	5.86	479.4	2.17	15	
1800	4.99	6/9	350	19L	11.23	91	5.88	482.8	2.01	15	
1805	5.00	"	"		11.12	91	5.85	482.5	1.91	12	
1810	5.00	"	"	24L,	11.08	91	5.85	470.5	1.71	11	
1815	5.00	"	"		11.02	91	5.88	465.4	1.58	12	
1820	5.00	"	"		11.00	91	5.88	460.0	1.53	11	
1825	5.00	"	"	29L	10.95	91	5.89	450.0	1.47	8.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

4/4

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-7045 Date 05/13/2010
Field Personnel John Legoudes
Sampling Organization Otymdemaximis
Identify MP TOR

Depth to 4 / 19 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 16.5
Purging Device; (pump type) Bladder ID # 15808
Total Volume Purged 42 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1830	5.00	6/9	350	3 l	11.05	91	5.94	444.1	1.65	8.1	
1835	5.00	"	"		11.05	91	5.88	452.2	1.91	9.0	
1840	5.00	"	"		10.86	91	5.89	448.2	1.84	7.9	
1845	5.00	"	"	37	10.84	91	5.82	441.2	1.87	8.2	
1850	5.00	"	"		10.82	91	5.94	442.2	1.87	7.9	
1855	5.00	"	"		10.80	91	5.98	447.0	1.81	7.9	
1900	5.00	"	"		10.75	91	5.98	445.6	1.79	8.0	
1905	5.00	"	"	42 L	10.72	91	5.98	433.8	1.72	8.0	
1910		"		Sample time.							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/3

Location (Site/Facility Name) SRSNE
Well Number MW-705D Date 05/17/2010
Field Personnel John Legoudes
Sampling Organization O'm, Demaximis
Identify MP TOR

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30
Purging Device; (pump type) Bladder ID# 15808
Total Volume Purged 10L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0920	3.90										Relocating air compressor+ generator down wind.
0925	3.90	12.5/2.5	100								Begin Purging
0930	4.05	"	"		12.94	341	6.30	184.1	1.96	691	
0935	4.00	~~12~~ 12/3	50 ~~100~~		13.23	340	6.34	170.5	1.69	ehz	
0940	4.01	"	50		13.37	340	6.37	160.0	1.48	ehz	
0945	4.03	"	50		13.35	339	6.39	154.5	1.30	ehz	NTU > 1100
0950	4.02	11.5/3.5	100		13.45	338	6.40	151.1	1.04	ehz	Bulb burnt or misaligned.
0955	4.05	"	"		13.45	338	6.40	149.8	.92	ehz	I did not have a turbitity
1000	4.04	"	"		13.49	337	6.40	148.8	.87	ehz	[redacted] manual, had to go to trailer to get one.
1005	4.05	"	"		13.25	335	6.40	148.6	.84	ehz	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/3

Location (Site/Facility Name) SRSNE
Well Number MW-705D Date 05/17/2010
Field Personnel John Legendre
Sampling Organization O+M, Dematinis
Identify MP TOR

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30
Purging Device; (pump type) Bladder ID# 15808
Total Volume Purged 10L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1010		11.5/3.5	50								Paused Purging to fix/Replace turbidity meter.
1015		"	50								Resume Purging
1020	4.01	"	"		14.92	330	6.41	148.9	0.91	ef3	
1025	4.01	11/4	65	5L	14.80	328	6.37	151.5	0.88	ef3	
1030	4.01	10/5	50		14.80	328	6.38	152.6	0.84	ef3	
1035	4.01	"	"	6	15.03	324	6.35	154.8	0.73	ef3	
1040	4.01	"	"		15.33	323	6.36	156.0	0.70	3467	New turbidity meter.
1045	4.01	"	"		15.51	322	6.36	157.4	0.69	3347	
1050	4.01	"	"		15.82	321	6.36	158.2	0.70	3701	
1055	4.01	"	"		15.83	321	6.36	159.4	0.72	3839	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number MW-705D Date 05/17/2010
Field Personnel John Lagoudes
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 25 / 35 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 30
Purging Device; (pump type) Bladder ID # 15808
Total Volume Purged 10L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1100	4.01	10/5	50		15.51	320	6.35	161.0	0.72	3572	
1105	4.01	"	"	8.5	15.61	320	6.35	162.7	0.72	3900	
1110	4.01	"	65		15.97	320	6.36	164.2	0.73	3397	
1115	4.01	"	65	9	16.11	320	6.36	164.8	0.74	3500	
1120	4.01	"	"		16.89	320	6.36	165.8	0.73	3692	
1125	4.01	"	"		16.05	319	6.35	168.0	0.72	3947	
1130	4.01	"	"	10	~~16.~~ 16.06	319	6.34	169.7	0.71	3718	Called John Instr. Directive to sample.
11:35			Sample time.								
			End Sample time 13:20								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Pg 1 of 2

Sunny 57°F

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-705DR Date 06/07/10
Field Personnel Remett
Sampling Organization O&M, Inc.
Identify MP T.O.C.

Depth to 90 / 100 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 95
Purging Device; (pump type) 9513
Total Volume Purged 5050

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0855	3.57	12/3	~~50~~ 100	800							
0900	5.02	12/3	50	1050	15.14	.7180	8.84	-38.9	2.08	38.3	
0905	5.12	12/3	50	1300	15.15	.7010	8.95	-38.7	2.01	35.5	
0910	5.77	12/3	50	1550	15.17	.6840	9.22	-40.8	1.71	42.6	
0915	5.76	12/3	50	1800	15.20	.6690	9.53	-46.3	1.32	40.7	
0920	5.76	12/3	50	2050	15.23	.6440	9.72	-50.3	1.06	43.7	
0925	5.77	12/3	50	2300	15.22	.6286	9.74	-52.9	0.95	51.2	
0930	5.76	12/3	50	2550	15.23	.6156	9.70	-52.1	0.81	61.8	
0935	5.76	12/3	50	2800	15.29	.611	9.67	-51.3	0.76	75.4	
0940	5.76	12/3	50	3050	15.40	.609	9.65	-50.4	0.70	117	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-7050R Date 06/07/16
Field Personnel Renotti
Sampling Organization O&M Inc.
Identify MP TOC

Depth to 90 / 100 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 95
Purging Device; (pump type) 9513
Total Volume Purged 5050

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments
0945	5.78	12/3	50	3300	15.89	.606	9.62	-49.2	0.74	101.0	
0950	5.78	12/3	50	3550	16.07	.606	9.62	-48.8	0.71	103.6	
0955	5.78	12/3	50	3800	16.31	.606	9.60	-48.2	0.70	109.9	Line kink fixed
1000	5.80	12/3	50	4050	15.90	.607	9.59	-48.1	0.71	125.0	
1005	6.00	12/3	50	4300	15.35	.605	9.55	-45.5	0.66	119.0	
1010	6.00	12/3	50	4550	15.15	.603	9.50	-45.6	0.67	127.2	
1015	6.00	12/3	50	4800	15.21	.603	9.46	-44.4	0.58	131.2	
1020	6.00	12/3	50	5050	15.20	.604	9.42	-43.7	0.54	139.0	
											Sampled @ 1030
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#1 of 3

Pump 9198

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW705R Date 5/14/10
Field Personnel Pete Burton
Sampling Organization Otm Inc
Identify MP

Depth to 44.0 / 54.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 49.0
Purging Device; (pump type) micropurge bladder
Total Volume Purged 8.0 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments	
	5.60	4	50	1000							Set Rate 50 mL/min	52ft
0940	~~6.5.99~~	4	50	1250	13.01	331	7.00	36.0	2.62	766		
0945	6.06	4	50	1500	12.84	297	6.88	45.6	2.27	781		
0950	5.98	4	50	1750	12.90	287	6.81	58.9	2.14	904		
0955	5.95	4	50	2000	12.96	282	6.77	63.4	1.99	916	Loss of Volume in hose	
1000	5.95	4	50	2250	13.08	279	6.74	63.3	1.97	1010		
1005	5.95	4	50	2500	13.05	277	6.71	53.2	1.83	973	Rate ↓ ↑ Pressur	70ft
1010	5.91	4	50	2750	13.12	276	6.69	44.8	1.74	1033		
1015	6.00	4	50	3000	13.19	275	6.67	39.0	1.70	967		
1020	6.10	4	50	3250	12.86	272	6.63	28.8	1.54	1060		
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%		

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW705R Date 5/14/10
Field Personnel PBLAcr
Sampling Organization O&M Inc
Identify MP

Depth to 44.0 / 54.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 49.0
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 8.0L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1025	6.13	4	50	3500	12.86	272	6.63	28.8	1.54	988	Flow ↑ ↓ Pressure both
1030	6.13	4	50	3750	12.72	271	6.60	23.4	1.31	897	
1035	6.13	4	50	4000	12.76	269	6.58	22.8	1.21	1091	
1040	6.13	4	50	4250	12.68	268	6.56	23.7	1.10	874	
1045	6.10	4	50	4500	12.72	266	6.54	25.8	1.07	885	Loss of volume in hose
1050	6.09	4	50	4750	12.81	264	6.51	29.2	1.02	695	"
1055	6.05	4	50	5000	12.87	263	6.49	32.9	0.97	786	"
1100	6.05	4	50	5250	13.11	262	6.48	35.5	0.93	597	
1105	6.02	4	50	5500	13.19	261	6.47	38.2	0.91	584	Loss of volume in hose
1110	6.00	4	50	5750	13.23	260	6.45	40.3	0.86	354	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#3 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NB
Well Number MW206R Date 5/14/10
Field Personnel PBurton
Sampling Organization O&M Enc
Identify MP

Depth to 44.0 / 54.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 49.0
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 80L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	6.00	4	50	6000	3.40	259	6.45	42.4	0.88	322	Loss of volume in hose
1120	6.07	4	50	6250	13.21	258	6.43	45.2	0.82	346	
1125	6.08	4	50	6500	13.10	252	6.42	48.0	0.74	336	
1130	6.10	4	50	6750	13.08	256	6.41	51.6	0.67	357	
1135	6.15	4	50	7000	13.18	255	6.39	55.8	0.64	312	Loss of volume in hose
1140	6.10	4	50	7250	13.36	254	6.38	60.7	0.61	300	
"	"	"	"	"	"	"	"	"	"	"	
1145	6.13	4	50	7500	13.33	253	6.38	65.1	0.61	263	
1150	6.13	4	50	7750	13.25	252	6.37	69.2	0.59	278	
1155	6.13	4	50	8000	13.24	251	6.36	74.0	0.56	272	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-706DR Date 5-18-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 116.5 / 126.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 121.5
Purging Device; (pump type) Bladder ID 11269
Total Volume Purged ~1.5

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	0.56'	~~13.5~~ 1.5									
0930	0.82		60	~~12.0~~ 1	12.04	1456	8.38	202.3	6.90	25	Begin Purging
0940	0.93				12.51	957	8.42	204.7	8.50	40	
0950	0.92				12.21	1972	8.50	204.1	5.46	39	
1000	0.92				12.46	2162	8.52	204.9	4.88	37	
1010	1.03		~60		12.10	2369	8.57	204.8	4.24	30	
1020	1.01			1	1224	2409	8.57	205.1	4.26	27	
1030	1.02				12.42	2426	8.58	205.4	4.32	24	
1040	1.00			~1.5	12.50	2435	8.55	206.6	4.32	25	
1045	SAMPLE TIME			MW-706DR-05182010							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: MW-707D

Well Type: (•) Monitoring ( ) Other: _____
Well Finish: (•) Stick Up ( ) Flush Mount
Measuring Pt: (•) Top of Casing ( ) Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0800
Weather Conditions: Sunny, High of 65°
Depth to groundwater at time of deployment: 8.79 (ft) TIC
Total well depth at time of deployment: 94.9
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2
Deployment Method/Position of Weight:

(•) Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
( ) Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 90 ft

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 0900
Total # of days deployed: 1
Weather Conditions: Sunny, 55°
Depth to groundwater at time of retrieval: PRE RETRIEVAL (8.80) POST RETRIEVAL 8.82 (A
Total well depth at time of retrieval: 94.9
Downhole Field Parameters Upon Retrieval:
Temp: 10.35 (°C) **ORP:** 229.2 (mV) **Water quality meter:** YSI 650 MDS
pH: 6.32 **DO:** 7.90 (mg/L) **Serial #:** 06J1598AE

Notes/Observations:
Turb 1.99 spconductivity 0.329 ms/cm

Field Sampling Technician: Name(s) and Company

Name	Company
CMILLUCCI	ARCADIS
DIANE CHAMPAGNE	//

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-709D Date 9/13/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of PVC Casing (Initial DTW. 8.75)

Depth to 84.9 / 94.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 90'
Purging Device; (pump type) bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1120	8.58	10/5 clm	.225	0	11.37	289	7.51	172.9	7.88	7.2	
1125	8.58	10/5 clm	.100	.9	11.87	289	7.61	167.5	7.77	3.7	
1130	8.62	10/5 clm	.100	1.4	12.12	292	7.69	161.8	8.06	2.7	
1135	8.62	10/5 clm	.100	1.9	12.72	295	7.71	160.1	8.31	2.9	
1140	8.62	10/5 clm	.100	2.4	12.40	304	7.78	155.9	8.81	1.1	
1145	8.62	10/5 clm	.100	2.9	12.40	308	7.84	151.8	9.29	0.00	
1150	8.62	10/5 clm	.100	3.4	12.53	311	7.87	147.5	9.47	0.00	
1155	8.62	10/5 clm	.100	3.9	12.56	311	7.88	143.6	9.52	0.00	
1200	8.62	10/5 clm	.100	4.4	12.81	311	7.89	139.4	9.58	0.00	
1205	8.62	10/5 clm	.100	4.9	12.88	311	7.88	136.1	9.67	0.00	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-707D Date
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP

Depth to 84.9 / 94.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 90
Purging Device; (pump type) bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1210	~~8.82~~	p/s c/m	.100	5.4	13.15	312	7.88	132.7	9.64	0.00	
1215	8.65	p/s c/m	.100	5.9	13.58	313	7.88	127.8	9.65	0.00	
1220	8.68	p/s c/m	.100	6.4	13.78	314	7.88	125.1	9.59	0.00	
1225	8.68	p/s c/m	.100	6.9	14.28	316	7.88	119.3	9.49	0.00	
1230	8.68	p/s c/m	.100	7.4	14.43	316	7.88	117.6	9.48	0.00	
1235	8.68	p/s c/m	.100	7.9	14.48	316	7.89	113.5	9.38	0.0	
		completed @ 1240									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: Southington, CT
Well ID: MW-707D

Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):
Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 10' 84.9 - 94.9
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 1220
Weather Conditions: overcast, 64°
Depth to groundwater at time of deployment: 8.60
Total well depth at time of deployment: 94.9
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 90'

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 0915
Total # of days deployed: 3
Weather Conditions: P/C
Depth to groundwater at time of retrieval: pre (8.63') 8.63' - Post retrieval
Total well depth at time of retrieval: 94.9
Downhole Field Parameters Upon Retrieval:
Temp: 10.30 (°C) **ORP:** 136.1 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.16 **DO:** 13.12 (mg/L) **Serial #:** #07A1480 AC

Notes/Observations: Turb = 7.22

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMILLUCA	ARCADIS
CHRIS TRAINBRIDGE	"

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSME
Location: SOUTHINGTON, CT
Well ID: MW-707DR

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 30'
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 0820
Weather Conditions: Sunny, high of 65°
Depth to groundwater at time of deployment: 9.62
Total well depth at time of deployment: 192 (ft)
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 177 (ft) TIC

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 0930
Total # of days deployed: 1
Weather Conditions: Sunny High of 60°
Depth to groundwater at time of retrieval: 11.12 (ft) (Post Retrieval)
Total well depth at time of retrieval: ~~11.12 (Post Retrieval)~~ (EC)
Downhole Field Parameters Upon Retrieval:
Temp: 10.40 (°C) **ORP:** 215.8 (mV) **Water quality meter:** YSI 650 MDS
pH: 6.99 **DO:** 1.63 (mg/L) **Serial #:** 06J1598 AE

Notes/Observations:

Turb 10.19 Sp. Conductivity 0.963 ms/cm
-neglected to collect Pre-retrieval data,

Field Sampling Technician: Name(s) and Company

Name	Company
CD Clinton	ARCADIS
DIANE CHAMPAGNE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-707DR Date 5/13/10
Field Personnel EC/CT
Sampling Organization ARCADIS (INITIAL DTW = 9.52')
Identify MP TIC

Depth to 162.0/192.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 177.0 (ft)
Purging Device; (pump type) BLADDER
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1200	10.05		150		13.18	800	6.53	78.3	5.52	12	
1205	10.25		100	~~250~~	12.30	756	6.75	81.0	4.35	17	
1210	10.29		100	750	11.86	769	6.85	76.7	3.84	16	
1215	10.28		80	2500	12.57	792	6.93	76.1	3.58	38	
1222	10.28		80		12.62	797	6.94	75.8	3.59	39	
1229	10.28		80		13.16	863	6.93	78.2	3.45	45	
1236	10.28		80		13.65	947	7.05	75.4	3.35	55	
1243	10.28		80		14.45	1077	7.19	78.2	2.57	60	
1250	10.28		80		14.47	1084	7.22	75.6	2.45	51	
1257	10.27		70		14.48	1143	7.33	71.6	1.60	49	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-707XR Date 5/13/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC (Initial DTW =)

Depth to 162 / 192 of screen (below MP) top bottom
Pump Intake at (ft. below MP)
Purging Device; (pump type)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1305	10.28		80		14.46	1148	7.35	71.0	1.46	45	
1312	10.28		80		14.37	1154	7.39	70.6	1.34	37	
1319	10.29		80		14.44	1158	7.44	70.3	1.14	40	
1326	10.27		80		14.37	1161	7.48	68.9	1.09	45	
1334	10.27		80		13.92	1157	7.56	69.3	1.12	60	
1341	10.28		80		13.60	1155	7.57	68.6	3.57	60	
1348	10.27		80		13.54	1150	7.59	68.6	3.55	80	
1355	10.28		80		13.42	1153	7.62	68.7	3.47	100	
1402	10.25 ~~10.70~~		50		13.46	1160	7.63	68.5	3.32	100	
1409	10.24		50		13.77	1160	7.65	68.3	3.29	100	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-7070R Date 5/13/10
Field Personnel GC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 162 / 192 of screen
(below MP) top bottom
Pump Intake at (ft. below MP)
Purging Device; (pump type)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1416	10.20		50		13.68	1162	7.66	69.5	3.00	80	
1423	10.20		50		13.66	1160	7.65	69.8	3.01	83	
1430	10.20		50		13.71	1160	7.67	70.1	2.91	78	
1437	16.19		50		13.76	1160	7.66	70.3	3.00	81	
	SAMPLE										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1440

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: Southington, CT
Well ID: MW-707DR

Well Type: • Monitoring • Other: _____
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 30' (162-192)
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 1245
Weather Conditions: Overcast, 63°
Depth to groundwater at time of deployment: 10.00
Total well depth at time of deployment: 192
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 177

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 0833
Total # of days deployed: 3
Weather Conditions: P/C, 55° F.
Depth to groundwater at time of retrieval: (PRE) 9.68' (POST) 10.43
Total well depth at time of retrieval: 192'
Downhole Field Parameters Upon Retrieval:
Temp: 10.36 (°C) **ORP:** 196.7 (mV) **Water quality meter:** # U1A/480 AC YSI 650
pH: 6.06 **DO:** 0.90 (mg/L) **Serial #:** _____

TURB = 21.7

Notes/Observations:

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMINELLI	ARCADIS
CHRIS TROWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1/2

Location (Site/Facility Name) SRSNE
Well Number MW-707M Date 5/12/10
Field Personnel M. GRUBB, J. LAGOUDES, A. PLAINES
Sampling Organization O+M/DEMAXIMIS
Identify MP TOP OF ~~CASING~~ RISER

Depth to 58 / 68 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63
Purging Device; (pump type) BLADDER ID = 15808
Total Volume Purged 8L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm ms/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
15:10	7.81	12.5 6.5 CPM4									
15:15	7.81	" "									FLOW CELL NOT FULL
15:20	7.84	11 4 CPM4									
15:25	7.85	9.5 8 CPM4	50								
15:30	7.85	" "	50		9.21	.263	7.31	76.4	8.77	7.5	
15:35	7.84	9 6 CPM4	100		9.22	.261	7.57	75.0	8.71	6.7	
15:40	7.82	9 6 CPM4	100		9.24	.261	7.71	74.5	8.63	8.5	
1545	7.82	8.5 5 CPM4	150		9.29	.262	7.80	75.6	8.61	8.7	
1550	7.85	8.5 5 "	150		9.34	.262	7.86	76.7	8.59	8.0	
1555	7.85	" "	" "	2L	9.35	.262	7.90	79.1	8.70	8.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number MW-707M Date 5/12/00
Field Personnel M.GRUBB, J.LAGOUDES, A.PLAINES
Sampling Organization OTM/DEMAXIMIS
Identify MP TOP OF RESER

Depth to 58 / 68 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63
Purging Device; (pump type) BLADDER ID =
Total Volume Purged 8L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1600	7.87	26 HZ 4.8 LPM 5	200	4	9.47	.262	7.94	78.7	8.94	8.7	
1605	7.87	" "	200	5	9.46	.262	7.95	79.7	8.79	8.8	
~~1610~~ 1610	7.9	25 LPM 5	250	6	9.53	.262	7.97	80.2	8.89	9.1	MAX VOL. COMPRESSOR WOULD MOVE/MAX PURGE RATE
~~15~~ 1615	7.9	" "	250	6.5	9.55	.262	7.98	80.8	8.80	9.6	
~~620~~ 1620	7.9	" "	250	7	9.55	.262	7.99	81.9	9.15	9.1	
~~625~~ 1625	7.9	" "	250	8	9.58	.262	8.0	82.5	9.43	9.8	
				SAMPLE	TIME			16:30			
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-707R Date 05/24/2010
Field Personnel John Lagoudes
Sampling Organization ORM, Pemaximis.
Identify MP TOR

Depth to 115 / 125 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 120
Purging Device; (pump type) Bladder ID# 15808
Total Volume Purged 32L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	8.18	10.5 / 4.8	250								Begin Purging.
0935	8.31	11	250		10.57	405	7.76	27.9	8.54	260	
0940	8.31	11	11		10.58	396	7.80	34.8	8.66	220	
0945	8.31	10 / 5.	290		10.59	397	7.86	43.1	8.91	300	
0950	8.31	11			10.58	398	7.88	48.0	8.97	320	
0955	8.31	9.5 / 5.5	325	7	10.61	399	7.90	52.5	9.05	230	
1000	8.36	11	11		10.60	399	7.91	56.2	9.07	180	
1005	8.40	9 / 6	350		10.54	399	7.92	60.2	9.08	130	
1010	8.38	11	11	13	10.62	398	7.94	64.1	9.08	85	
1015	8.35	11	11	14	10.51	399	7.94	66.2	9.07	90	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-707-R Date 05/14/2010
Field Personnel John Lagoudes.
Sampling Organization O+M, Remaxim
Identify MP TOR

Depth to 115 / 125 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 120
Purging Device; (pump type) Bladder IDH 15808
Total Volume Purged 32L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1020	8.37	8.5/6.5	450		10.69	398	7.95	68.4	9.05	70	
1025	8.40	9.9/6	350		10.54	397	7.95	71.1	9.01	75	
1030	8.41	"	"	20	10.56	397	7.96	73.7	9.02	50	
1035	8.33	"	"		10.86	397	7.97	74.8	9.00	45	
1040	8.34	"	"	22	10.93	397	7.98	76.7	9.00	41	
1045	8.40	"	"		10.61	396	7.97	78.7	8.94	55	
1050	8.41			26	10.63	395	7.96	81.0	8.84	39	
1055	8.41				10.64	395	7.96	82.1	8.85	37	
1100	8.42			29	10.67	395	7.97	83.7	8.87	38	
1105	8.41			32	10.69	395	7.97	85.6	8.82	37	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

3/3

Location (Site/Facility Name) SRSNE
Well Number MW-707-R. Date 05/14/2010
Field Personnel John Lagoudes.
Sampling Organization o+m, Demaximis
Identify MP TOR

Depth to 115 / 125 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 120
Purging Device; (pump type) Bladder ID# 15808
Total Volume Purged 72 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged ~~liters~~	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1110			→ SAMPLE		TIME:						
			SAMPLE	TIME	END	at	1150				

Stabilization Criteria — 3% — 3% — ±0.1 — ± 10 mv — 10% — 10%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE conn.
Well Number MW-707S Date 5-12-10
Field Personnel M.Gubb, J. Lagoudes, A. Plaines
Sampling Organization O+M, DRmickins
Identify MP ~~For~~ TOP OF RISER

Depth to 20 / 30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25'
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 17L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS/cm~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1458	7.78	12/3	~250								Begin Purging
1502	7.78	14/1	150		9.48	0.285	8.07	35.5	8.30	17.2	
1512	7.78	13.5/1.5	230		9.40	0.284	8.10	46.9	7.97	11.7	
1522	7.78	13/2	350	6	9.43	0.284	8.13	57.7	7.78	9.81	
1532	7.78	12.5/2.5	375	8	9.44	0.284	8.15	64.2	7.56	6.79	
1537	7.78	↓	↓	11	9.46	0.284	8.17	68.6	7.45	5.96	
1542	7.78			13.5	9.47	0.284	8.17	70.1	7.39	3.98	
1547	7.78			15	9.47	0.284	8.18	71.6	7.34	2.70	
1552	7.78	↓	↓	17	9.49	0.284	8.19	73.1	7.34	2.91	
1555										→	SAMPLE TIME
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	MW-707S-05122010

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1 of 3

Pump # 9198

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW 709DR Date 5/15/10
Field Personnel Pete B. Aa
Sampling Organization O&M Inc
Identify MP

Depth to 120.0/134.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 127.0
Purging Device; (pump type) Micro Purge bladder
Total Volume Purged 9.7 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
	0.70	4	50								set up 50 ml/min
1045	3.05	4	50	1000	13.84	3043	5.26 7.33	50.6	7.33	61.2	
1050	3.95	4	50	1250	14.02	3042	6.64	-2.7	7.14	82.3	
1055	4.60	4	50	1500	14.12	3042	5.98	-38.0	7.44	77.3	
1100	4.92	4	50	1750	15.16	3026	6.06	-34.1	7.35	74.9	Rate drop ↑ pressure
1105	5.35	4	75	2225	15.39	3057	6.21	-34.4	7.59	77.5	unable to produce 50 ml/min ↑ 75 ml/min
1110	6.00	4	75	2600	15.23	3053	6.34	-49.1	7.60	76.4	
1115	6.39	4	75	2975	15.04	3064	6.44	-54.0	7.72	73.1	
1120	6.82	4	75	3350	14.60	3055	6.52	-57.9	7.76	61.7	
1125	7.34	4	75	3725	14.20	3051	6.59	-58.4	7.93	53.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW 709DR Date 5/15/10
Field Personnel PBurton
Sampling Organization O&M Inc
Identify MP

Depth to 1200 / 1340 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 127.0
Purging Device; (pump type) micropurge bladder
Total Volume Purged 9.7L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1130	7.97	4	75	4100	14.52	3035	6.65	-68.8	7.97	45.6	
1135	8.55	4	75	4475	14.53	3034	6.70	-66.3	7.87	39.4	
1140	9.19	4	75	4850	14.48	3035	6.73	-70.2	7.61	34.3	
1145	9.75	4	75	5225	14.41	3032	6.76	-66.6	7.89	30.8	
1150	10.34	4	75	5600	14.44	3030	6.78	-79.4	7.87	30.5	
1155	10.92	4	75	5975	14.49	3024	6.81	-80.5	7.85	29.1	
1200	11.55	4	75	6350	14.35	3028	6.85	-109.2	7.89	23.5	
1205	12.11	4	75	6725	14.54	3023	6.88	-123.7	7.90	20.8	
1210	12.70	4	75	7100	14.60	3019	6.90	-121.4	7.92	20.5	
1215	13.31	4	75	7475	14.62	3016	6.92	-110.8	7.78	19.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number NW709DR Date 5/15/10
Field Personnel PButler
Sampling Organization O&M Inc
Identify MP

Depth to (below MP) top 120.0 / bottom 134.0 of screen
Pump Intake at (ft. below MP) 127.0
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 9.7L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1220	13.87	4	75	7850	14.58	3017	6.93	-114.4	7.75	17.8	
1225	14.44	4	75	8285	14.59	3013	6.95	-111.0	7.73	17.3	
1230	15.15	4	75	8690	14.66	3003	6.97	-104.4	7.74	13.4	
1235	15.61	4	75	8975	14.67	3002	6.98	-97.7	7.74	15.6	
1240	16.14	4	75	9350	14.73	3005	6.99	-97.8	7.76	15.3	
1245	16.62	4	75	9725	14.90	3010	7.00	-93.2	7.75	14.7	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

1 of 3

Pump # 18781

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW709R Date 5/17/10
Field Personnel Pete Burton
Sampling Organization O&M Inc
Identify MP

Depth to 50 / 70 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60
Purging Device; (pump type) microperge bladder
Total Volume Purged 6.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0855	2.50	40704									Job rate 50 ml/m fill cell
0910	3.95	4	50	250	13.44	400	6.80	124.6	14.H	44.5	
0915	4.17	4	50	500	13.43	415	6.92	1250	8.77	58.7	
0920	4.57	4	50	750	13.35	429	7.05	1253	8.02	63.7	
0925	5.15	4	50	1000	3.04	426	7.16	126.0	7.62	77.5	Rate ↑ ↓ Pressure
0930	5.82	4	50	1250	2.46	415	7.26	126.5	7.43	68.0	
0935	6.17	4	50	1500	12.75	410	7.29	131.3	7.34	62.7	
0940	6.50	4	50	1750	13.04	409	7.31	135.7	7.31	36.4	
0945	6.91	4	50	2000	13.30	410	7.35	136.0	7.26	54.6	
0950	6.98	4	50	2250	13.72	409	7.39	140.5	7.30	51.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW709R Date 5/17/10
Field Personnel PButler
Sampling Organization O & M Inc
Identify MP

Depth to 50 / 70 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60
Purging Device; (pump type) Microperge bladder
Total Volume Purged 6.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0955	7.35	4	50	2500	13.53	405	7.43	133.2	7.31	57.1	
1000	7.63	4	50	2750	13.63	401	7.45	128.8	7.48	51.6	
1005	7.95	4	50	3000	13.71	399	7.47	127.7	7.54	47.4	
1010	8.20	4	50	3250	13.87	398	7.50	127.1	7.58	43.4	
1015	8.43	4	50	3500	14.22	398	7.51	126.4	7.91	46.4	Loss of flow ↑ pressure 80 ft
1020	8.81	4	50	3750	14.02	403	7.54	127.2	8.39	47.3	
1025	9.55	4	50	4000	13.05	402	7.56	127.2	8.68	37.7	flow ↑ ↓ Pressure 70 ft
1030	7.88	4	50	4250	13.42	401	7.60	126.7	8.61	35.2	
1035	10.18	4	50	4500	13.85	403	7.59	130.4	8.61	38.6	
1040	10.45	4	50	4750	14.17	403	7.61	115.0	8.53	37.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW 709R Date 5/17/10
Field Personnel PBurton
Sampling Organization O&M Inc
Identify MP

Depth to SC / 70 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 60
Purging Device; (pump type) microparge bladder
Total Volume Purged 6.25L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1045	10.69	4	50	5000	14.39	398	7.62	101.7	8.52	35.2	
1050	10.93	4	50	5250	14.59	393	7.63	96.7	8.43	31.4	
1055	11.15	4	50	5500	14.82	388	7.63	91.9	8.14	30.7	
1100	11.37	4	50	5750	14.88	385	7.65	88.3	7.50	28.7	
1105	11.55	4	50	6000	14.77	381	7.67	81.9	7.67	27.3	
1110	11.25	4	50	6250	14.65	379	7.68	75.1	7.26	26.6	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#1 of 43

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM Pump # 9198

Location (Site/Facility Name) SRS
Well Number MW 710 DR Date 5/13/10
Field Personnel Pete Burton
Sampling Organization O&M
Identify MP Top of Riser

Depth to 186.5 / 206.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 196.5
Purging Device; (pump type) microPurge bladder
Total Volume Purged 7.5L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~1530~~ ~~Hold~~	9.66	4	50	500							fill cell already past 0.3 Draw down
1550	11.59	4	50	750	19.18	2024	6.81	75.1	4.02	16.1	
1555	11.89	4	50	1000	18.40	1931	6.78	96.2	3.27	12.7	
1600	12.25	4	50	1250	17.50	1904	6.79	113.3	2.93	12.7	
1605	12.70	4	50	1500	16.78	1874	6.86	130.0	2.42	20.0	
1610	13.22	4	50	1750	16.40	1938	6.95	148.5	2.14	41.7	flow Rate fell ↑ Pressure, St. Stable
1615	13.68	4	50	2000	15.88	2149	7.00	164.2	2.01	51.4	
1620	14.17	4	50	2250	15.49	2452	7.04	170.8	1.88	64.7	
1625	14.68	4	50	2500	14.96	2743	7.07	161.3	1.75	76.5	
1630	15.18	4	50	2750	14.68	2936	7.12	148.0	1.62	57.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#2 of #3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW710DR Date 5/13/10
Field Personnel POulton
Sampling Organization O&M
Identify MP Top of riser

Depth to 186.5 / 206.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 196.5
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 7.5L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1635	15.67	4	50	3000	14.55	3032	7.18	137.3	1.45	63.4	
1640	16.17	4	50	3250	14.44	3070	7.23	129.9	1.34	51.4	
1645	16.63	4	50	3500	14.62	3077	7.28	123.7	1.22	58.5	
1650	17.24	4	50	3750	14.18	3100	7.32	115.8	1.14	57.4	
1655	17.45	4	50	4000	14.18	3069	7.36	107.8	1.06	49.5	
1700	18.05	4	50	4250	13.78	3021	7.42	94.8	1.00	45.3	
1705	18.36	4	50	4500	13.74	2992	7.46	79.1	0.95	48.9	
1710	19.04	4	50	4750	13.75	2948	7.49	62.2	0.90	55.0	
1715	19.52	4	50	5000	13.71	2896	7.52	43.7	0.87	54.1	
1720	20.00	4	50	5250	13.74	2857	7.55	24.2	0.84	55.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#3 of #3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW 710DR Date 5/13/10
Field Personnel PSutton
Sampling Organization O&M
Identify MP Top of Riser

Depth to 186.5/206.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 196.5
Purging Device; (pump type) Micro purge bladder
Total Volume Purged 7.5L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1725	20.39	4	50	5500	13.71	2761	7.58	6.8	0.82	51.4	
1730	20.79	4	50	5750	13.44	2687	7.61	-8.4	0.81	45.2	
1735	21.29	4	50	6000	13.11	2558	7.65	-19.7	0.80	46.2	
1740	21.65	4	50	6250	12.91	2435	7.69	-25.1	0.78	48.0	
1745	22.26	4	50	6500	12.75	2293	7.73	-24.3	0.77	44.6	
1950	22.55	4	50	6750	12.62	2179	7.77	-19.6	0.76	43.9	H_2O Stab. @ 6.92 drawdown
/	/	/	/	/	/	/	/	/	/	/	
1755	23.39	4	50	7000	12.59	2072	7.79	-14.9	0.75	42.5	
1800	24.82	4	50	7250	12.59	1998	7.81	-11.8	0.73	40.1	
1805	25.04	4	50	7500	12.55	1946	7.82	-8.3	0.72	38.6	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#1 of 3

Pump# 10230

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW710R Date 5/13/10
Field Personnel Pete Burton
Sampling Organization O&M Inc
Identify MP Top of Riser

Depth to 133.5 / 143.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 138.5
Purging Device; (pump type) MicroPurge bladder
Total Volume Purged 14.6 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1030	16.30	4	100	100	13.85	32.8	6.55	51.2	9.05	142	
1035	16.49	4	100	600	13.64	36.1	6.89	52.4	4.79	250	
1040	16.59	4	100	1100	13.72	36.3	7.07	51.9	2.09	258	
1045	16.59	4	100	1600	13.81	36.4	7.17	50.8	1.86	248	
1050	16.59	4	100	2100	13.79	36.4	7.24	49.9	1.30	217	
1055	16.59	4	100	2600	14.24	36.4	7.28	49.0	1.05	137	
1100	16.59	4	100	3100	14.06	36.4	7.31	48.5	0.94	128	
1105	16.57	4	100	3600	14.046	36.3	7.33	49.9	-0.31	112	
1110	16.57	4	100	4100	14.04	36.3	7.35	49.8	0.78	81.5	
1115	16.57	4	100	4600	14.44	36.3	7.37	49.8	0.82	72.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW 710R Date 5/13/10
Field Personnel PBurton
Sampling Organization O&M
Identify MP Top of Riser

Depth to 1382.5 / 1435 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 138.5
Purging Device; (pump type) micropurge bladder
Total Volume Purged 14.6 C

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1120	16.57	4	100	5100	14.26	363	7.39	51.0	1.01	52.0	
1125	16.57	4	100	5600	14.27	365	7.40	52.6	1.36	44.0	
1130	16.52	4	100	6100	14.29	369	7.41	54.9	1.75	41.8	
1135	16.52	4	100	6600	14.53	374	7.41	58.0	2.15	32.6	
1140	16.48	4	100	7100	14.57	379	7.41	61.7	2.56	27.3	Well Rec. ↑ Flow Slightly.
1145	16.45	4	100	7600	14.54	384	7.41	66.1	2.83	21.8	
1150	16.45	4	100	8100	14.47	388	7.40	71.5	3.06	16.5	
1155	16.45	4	100	8600	14.53	392	7.39	76.8	3.23	18.4	
1200	16.45	4	100	9100	14.63	395	7.38	82.2	3.35	15.5	
1205	16.45	4	100	9600	14.70	398	7.37	87.0	3.47	12.6	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#3 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number MW710R Date 5/13/10
Field Personnel PBurden
Sampling Organization odm
Identify MP Top of Riser

Depth to 133.5 / 143.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 138.5
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 14.6 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1210	16.45	4	100	10100	14.64	401	7.35	93.7	3.61	2.0	
1215	16.45	4	100	10600	14.78	404	7.36	99.4	3.72	10.55	
1220	16.45	4	100	11100	14.86	407	7.36	105.0	3.83	9.53	
1225	16.45	4	100	11600	14.82	411	7.36	110.3	3.96	8.96	
1230	16.45	4	100	12100	14.81	413	7.35	116.1	4.06	8.00	
1235	16.45	4	100	12600	14.92	415	7.34	122.5	4.14	7.47	
1240	16.45	4	100	13100	15.02	417	7.33	129.0	4.21	5.84	
1245	16.45	4	100	13600	14.95	420	7.32	135.8	4.29	4.94	
1250	16.45	4	100	14100	15.00	422	7.31	142.4	4.36	4.64	
1255	16.45	4	100	14600	15.04	423	7.30	149.2	4.39	4.10	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

14.62 dry 1 -901D 0.0 ppm Sunny 56°F 0830 setting up on MW-901R, D
18.54 R 13.5 1044 sampling

1/2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-901R Date 5-20-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 27 / 42 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 34.5
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 22 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0908	18.55	14/1									Begin Purging
0918	18.55		50		12.19	374	7.08	250.0	7.91	60	increasing flow
0925	18.55	13.5/1.5	150		11.56	378	7.11	253.6	7.53	60	increasing flow
0930	18.55	13/2	200	~1.8	10.78	361	7.02	255.3	8.87	120	
0935	18.55			2.8	10.35	321	6.80	256.5	10.43	110	increasing flow
0940	18.55	12.5/2.5	300	3.5	10.31	296	6.68	256.4	11.36	100	increasing flow
0945	18.55	12/3	360	5	10.13	277	6.60	257.8	12.07	85	increasing flow
0950	18.55	11.5/3.5	400	~6.5	10.27	263	6.53	258.1	11.30	75	
0955	18.55			8.7	10.05	249	6.46	260.6	13.30	55	
1006	18.55			10.3	10.04	245	6.44	262.3	13.52	45	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

2/2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-901R Date 5-20-10
Field Personnel A. Plasmeier
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 27 / 42 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 34.5
Purging Device; (pump type) Bladder ID 15728
Total Volume Purged 22 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1005	18.55	11.5/3.5	400	12.5	10.00	235	6.39	263.9	13.87	37	
1010	18.55			14.5	10.08	238	6.40	265.4	13.79	31	
1015	18.55			16	10.06	232	6.37	267.1	13.86	27	
1020	18.55			18	10.01	230	6.36	267.9	13.91	21	
1025	18.55			20	10.02	229	6.35	269.6	14.03	25	
1030	18.55			22	10.04	228	6.35	270.7	14.14	22	
1035	SAMPLE	TIME		MW-901R-052020100							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 3.9 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-902D Date 5-24-10
Field Personnel D. Garrigan
Sampling Organization Ortan
Identify MP Top of Riser

Depth to 16' / 21' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 18' 5' BMP
Purging Device; (pump type) Sample Pro Bladder ID #
Total Volume Purged 3.75 L 10216

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0845	9.43	4cpm / 210ml	50	1	Call Filing						Initial Flow Rate Not Through cell
0850	9.59	"	50	1	"	"					measured Flow Rate Through cell 50 mL/min
0855	9.59	"	50	1	13.76	692	6.23	-16.8	1.67	209	water cloudy/Red; odor
0900	9.60	"	"	1	13.55	691	6.25	-42.3	1.52	193	
0905	9.61	"	"	1.00	13.75	689	6.27	-56.4	1.43	109	
0910	9.60	"	"	1.25	13.96	686	6.28	-56.0	1.43	92	
0915	9.59	"	"	1.50	13.93	684	6.29	-61	1.33	100	
0920	9.59	"	"	1.75	14.25	683	6.29	-62	1.38	80	
0925	9.55	"	"	2.00	14.11	687	6.29	-62	1.31	76	checked Flow Rate Through cell 50 mL/min
0930	9.57	"	"	2.25	13.87	689	6.30	-63	1.22	69	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-902D Date 5-24-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 16' / 21' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 18.5' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 3.75L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0935	9.57	4cpm / closed	50	2.50	13.56	693	6.31	-64.5	1.11	55	
0940	9.55	"	"	2.75	13.52	696	6.31	-64.8	1.05	50	
0945	9.55	"	"	3.00	13.57	698	6.32	-64.1	1.02	49	
0950	9.55	"	"	3.25	13.55	699	6.32	-59.9	1.01	42	Condition 3
0955	9.55	"	"	3.75	13.51	709	6.32	-57.8	0.98	49	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 2.4 PPM

Location (Site/Facility Name) SRS NE
Well Number MW-902 M Date 5-24-10
Field Personnel D. Berrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 10' / 15 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 12.5' BMP
Purging Device; (pump type) Sample Pro Bladder IP# 08087
Total Volume Purged 6.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1450	8.86	4GPM / 40PSI	100	Cell Filling							Flow Rate Not Through Cell Initial 100 mL/min
1455	8.95	"	50	1	17.16	471	6.37	-53.0	1.91	22	Flow Through Cell ~90 mL/min
1400	8.97	"	90	1	15.80	474	6.40	-67.3	1.42	8.11	
1405	8.97	"	"	1.00	15.32	470	6.44	-70.6	1.08	7.17	
1410	8.97	"	"	1.30	15.34	471	6.46	-77.0	0.80	8.20	Checked Flow Rate Through Cell 100 mL/min
1415	9.02	"	100	1.80	14.58	477	6.47	-77.7	0.78	6.97	Light Red Color, odor
1420	9.02	"	"	2.30	14.33	474	6.47	-80.8	0.63	5.10	
1425	9.02	"	"	2.80	14.11	474	6.48	-83.5	0.54	7.12	
1430	9.02	"	"	3.30	13.87	474	6.48	-86.4	0.53	7.53	
1435	9.00	"	"	3.80	14.34	473	6.50	-87.2	0.48	8.86	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESWE
Well Number MW-902M Date 5-24-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 10' / 15' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 12.5' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 6.3 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1440	8.98	4CPM / 10PSI	100	4.30	14.66	476	6.52	-89.3	0.46	7.42	
1445	9.02	"	"	4.80	14.32	479	6.51	-87.0	0.47	7.19	
1450	9.00	"	"	5.30	14.35	476	6.49	-88.6	0.45	7.22	
1455	9.02	"	"	5.80	14.38	477	6.51	-87.5	0.44	7.28	Condition 3
1500	9.02	"	"	6.30	14.32	478	6.51	-88.2	0.43	7.34	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESNE
Well Number MW-903D Date 5/25/10
Field Personnel ARCADIS / GC
Sampling Organization
Identify MP TIC (24.85 = DTW)

Depth to 70.0 / 80.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 75.0
Purging Device; (pump type) Bladder # 10234
Total Volume Purged 4.75 gal (18K ml)

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS/cm~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0920	24.88	4 cycles/min	200		18.27	0.262	10.38	169.2	4.30	5.6	
0925	24.88		200		16.61	0.238	10.35	101.6	1.31	4.1	
0930	24.88		200		16.57	0.237	10.36	83.2	0.96	2.8	
0935	24.88		200		16.48	0.240	10.42	49.6	0.68	1.6	
0940	24.88		200		16.24	0.241	10.44	15.90	0.55	0.0	
0945	24.88		200		16.23	0.242	10.44	9.4	0.52	0.0	
0950	24.88		200		16.31	0.245	10.47	-27.0	0.46	0.0	
0955	24.88		200		16.29	0.243	10.46	-46.2	0.43	0.0	
1000	24.88		200		16.23	0.244	10.46	-86.8	0.40	0.0	
1005	24.88		200		16.36	0.245	10.45	-139.6	0.36	0.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Excellent re-charge rate.

1055

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-903D Date 5/25/10
Field Personnel SC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 70.0 / 80.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 75.0
Purging Device; (pump type) Bladder + 10234
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1010	24.88	4 cycles/min	200		16.25	0.244	10.44	-176.2	0.34	0.0	
1015	24.88	"	200		16.23	0.244	10.44	-179.8	0.33	0.0	
1020	24.88	"	200		16.05	0.243	10.42	-208.6	0.32	0.0	
1025	24.88	"	200		16.20	0.242	10.42	-224.7	0.33	0.0	
1030	24.88	"	200		16.19	0.241	10.39	-233.8	0.35	0.0	
1035	24.88	"	200		16.01	0.238	10.31	-252.7	0.37	0.0	
1040	24.88	"	200		16.07	0.229	10.31	-253.1	0.40	0.0	
1045	24.88	"	200		16.00	0.224	10.29	-253.0	0.40	0.0	
1050	24.88	"	200		15.98	0.23	10.21	-253.0	0.39	0.0	
			SAMPLE.								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-903M Date 5/25/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC 25.14' = Initial DTW

Depth to 46.0 / 56.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51'
Purging Device; (pump type) Bladder ~~#~~ 15408
Total Volume Purged ~~4.75 gal / 18k mL~~ (EC) 1.65 gals

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1130	25.28	~~4 cycles/min~~	150		21.83	276	8.54	15.1	2.53	67	
1135	25.39	"	100		20.58	272	8.53	21.7	1.43	65	
1140	25.31	"	100		19.56	270	8.56	25.4	0.98	52	
1145	25.29	"	100		19.64	266	8.57	28.9	0.73	45	
1150	25.29	"	100		19.70	267	8.57	29.0	0.73	45	
1155	25.28	"	100		19.64	238	8.57	33.4	0.53	43	
1200	25.28	"	100		19.67	239	8.57	34.1	0.52	44	
1205	25.28	"	100		19.69	238	8.56	34.3	0.54	40	
1210	25.28	"	100		20.43	265	8.55	37.5	0.49	40	
1215	25.28	"	100		20.16	265	8.55	40.3	0.49	40	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1235

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNS
Well Number MW-903 M Date 5/25/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 46.0 / 56.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51.0'
Purging Device; (pump type) Bladder # 15808
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1220	25.28	4 cycles/min	100		20.23	265	8.54	41.2	0.48	40	
1225	25.28	"	100		20.25	265	8.55	42.2	0.48	40	
1230	25.29	"	100		20.27	265	8.55	42.8	0.46	40	
		SAMPLE									

Stabilization Criteria 3% 3% ±0.1 ± 10 mv 10% 10%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-903 R Date 06/08/10
Field Personnel REMOTE
Sampling Organization O&M, INC.
Identify MP T.O.C.

Depth to 138 / 153 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 145.5
Purging Device; (pump type) 9513
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
	25.50	10/5 @ start	350	1050							
9:00	25.76	12/3	50	1300	14.27	.247	11.56	193.5	1.81	220	
9:05	25.92	12/3	50	1550	15.17	.245	11.57	167.9	1.75	239	
9:10	26.63	12/3	50	1800	15.29	.245	11.57	159.5	1.74	219	
9:15	27.12	12/3	50	2050	15.51	.244	11.58	108.9	1.73	231	
9:20	27.71	12/3	50	2300	15.50	.243	11.59	96.9	1.74	237	
9:25	27.86	12/3	50	2550	15.51	.243	11.59	109.6	1.75	230	
9:30	29.92	12/3	50	2800	15.49	.243	11.59	114.6	1.77	236	
9:35	30.04	12/3	50	3050	15.39	.243	11.59	110.6	1.79	231	(Nitrogen out)
10:20	31.98	12/3	50	3300	16.80	.244	11,47	94.3	2.08	239	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-903 R Date 06/08/10
Field Personnel REMOTTI
Sampling Organization OEM, INC.
Identify MP T.O.C.

Depth to 138 / 153 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 145.5
Purging Device; (pump type) 9513
Total Volume Purged 4

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L ✓	Turb-idity NTU ✓	Comments
1025	32.36	12/3	50	4550	16.88	243	11.46	92.5	1.98	858	
1030	32.53	12/3	50	4800	16.87	.243	11.46	90.7	1.92	881	
1035	32.76	12/3	50	5050	16.82	.242	11.46	89.3	1.86	818	
1040	32.93	12/3	50	5300	16.53	.242	11.49	84.5	1.79	842	
1045	33.04	12/3	50	5550	16.61	.240	11.48	81.3	1.74	843	
1050	33.47	12/3	50	5800	16.53	.240	11.47	76.6	1.71	818	
1055	33.58	12/3	50	6050	16.48	.239	11.48	73.3	1.69	821	
1100	33.83	12/3	50	6300	16.23	.238	11.50	68.3	~~1.67~~ 1.67	872	
1105	34.16	12/3	50	6550	16.23	.237	11.49	62.2	1.65	866	
1110	34.31	12/3	50	6800	16.27	.236	11.49	62.5	1.64	778	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-903 R Date 06/08/10
Field Personnel Remott
Sampling Organization O&M, Inc.
Identify MP T.O.C.

Depth to 138 / 153 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 145.5
Purging Device; (pump type) 9513
Total Volume Purged 8550

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	34.60	12/3	50	7050	16.18	.236	11.50	65.3	1.63	706	
1120	34.76	12/3	50	7300	16.05	.235	11.50	67.5	1.62	633	
1125	35.04	12/3	50	7550	16.04	.234	11.50	68.5	1.60	617	
1130	35.21	12/3	50	7800	16.19	.234	11.49	67.9	1.59	597	
1135	35.36	12/3	50	8050	16.15	.233	11.48	67.8	1.57	578	
1140	35.50	12/3	50	8300	16.18	.232	11.48	69.0	1.56	564	
1145	35.62	12/3	50	8550	16.21	.232	11.47	68.5	1.55	581	
											Sampled @ 1150
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 15.1 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-903S Date 5-25-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 22' / 32' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 27' BMP
Purging Device; (pump type) Sample Pro Bladder ID # +8080
Total Volume Purged 10 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~0915~~	~~21.20~~ 21.30	~~4 CPM~~									Initial water level meter Not working
0945	21.30	4 CPM 20 HZ			Call	Fill					Initial
0950	21.33	"	250	1	13.39	2052	6.20	-5.7	0.88	38.7	Flow Rate Through cell 250 ML/min
0955	21.37	"	200	2.00	13.09	2025	6.23	-23.9	0.61	19.1	200 ml/min Through cell
10.00	21.32	"	"	3.00	12.72	2037	6.23	-27.3	0.49	16.7	
1005	21.32	"	200	4.00	12.54	2039	6.23	-30.1	0.42	12.8	
1010	21.35	"	"	5.00	12.46	2043	6.23	-29.9	0.39	8.45	
1015	21.34	"	"	6.00	12.76	2039	6.23	-27.9	0.37	4.86	
1020	21.35	"	"	7.00	12.40	2049	6.23	-26.9	0.30	7.91	
1025	21.34	"	"	8.00	12.39	2042	6.22	-30.4	0.27	4.62	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-9035 Date 5-25-10
Field Personnel D. Gavigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 22' / 32' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 27' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 10L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10.30	21.33	4CPM / 20PSI	200	9.00	12.42	2042	6.22	-32.1	0.24	3.84	
10.35	21.35	"	"	10.00	12.43	2040	6.22	-30.6	0.26	4.20 *	Condition 2
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* Good well. makes good water. may do >200 mL/min.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-904D Date 06-07-2010
Field Personnel John Legoyles
Sampling Organization demaximis
Identify MP T.O.R

Depth to 70 / 80 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 75
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 33.50L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:00	19.20	10/5	290	1.45							Begin Purge.
10:05	19.35	10/5	"	2.90	14.37	354	7.08	179.3	1.54	884	
10:10	19.35	"	"	4.35	13.99	354	7.25	168.8	0.69	568	
10:15	19.35	"	270	5.70	14.00	349	7.33	161.4	0.68	307	
10:20	19.35	"	"	7.05	13.98	337	7.35	154.7	1.10	258	
10:25	19.34	10/5	"	8.40	14.15	320	7.40	142.5	2.19	218	
10:30	19.35	"	"	9.75	14.04	309	7.47	126.4	3.11	184	
10:35	19.35	"	"	11.10	13.96	301	7.46	115.8	3.96	149	
10:40	19.35	"	"	12.45	14.02	299	7.50	105.3	4.35	134	
10:45	19.35	10/5	270	13.80	14.03	298	7.53	96.0	4.62	121	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-904D Date 06-07-2010
Field Personnel J. Lagoudes
Sampling Organization demaximis
Identify MP T.O.R

Depth to 70 / 80 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 75
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 33.50L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:50	19.35	10/5	270	15.15	14.12	298	7.54	89.0	4.76	108.5	
10:55	19.35	"	"	16.5	14.12	296	7.58	80.0	4.98	108.7	
11:00	19.35	"	"	17.85	14.08	294	7.56	75.8	5.13	101.0	
11:05	19.35	"	"	19.20	14.17	291	7.54	72.2	5.34	96.9	
11:10	19.35	"	"	20.55	14.12	289	7.58	66.7	5.55	90.9	
11:15	19.35	"	"	21.90	13.88	286	7.58	63.4	5.77	86.2	
11:20	19.35	10/5	270	23.25	14.13	286	7.53	65.4	5.93	83.2	
11:25	19.32	10.5/4.5	250	24.50	14.35	284	7.68	56.1	6.05	81.4	Lowered dial to help lower turbidity.
11:30	19.32	"	"	25.75	14.17	283	7.60	57.0	6.16	82.2	
11:35	19.32	"	"	27	14.25	282	7.56	57.0	6.21	75.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-904D Date 06-07-2010
Field Personnel JL
Sampling Organization demaximis
Identify MP T.O.R

Depth to 75 / 80 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 75
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 33.50 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11:40	19.32	10.5/4.5	250	27.25	14.47	282	7.60	53.9	6.21	104	
11:45	19.32	10.5/4.5	250	28.50	14.32	285	7.63	51.1	6.23	91.4	
11:50	19.32	"	"	29.75	14.03	284	7.57	53.9	6.29	101.4	
11:55	19.32	"	"	31.00	14.13	281	7.49	57.6	6.31	110.0	
12:00	19.32	"	"	32.25	14.21	280	7.54	52.7	6.38	100.0	
12:05	19.32	"	"	33.50	14.32	279	7.65	49.2	6.48	90.0	
12:10	~~19.32~~	~~"~~	~~"~~	~~34.75~~	Sample		Time				Sample Time.
13:07											Finished sampling
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.8 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-904S Date 5-26-10
Field Personnel D. Garsigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 5' / 15' of screen (below MP) top bottom * Update Data Base
Pump Intake at (ft. below MP) 14' BMP
Purging Device; (pump type) SamplePro Bladder ID #
Total Volume Purged 21 L 10216

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0845	8.50	4 CPM / 7 PSI	150	2 l	Cell Filling						Initial No Draw-down. Increased Pressure
0850	8.50	4 CPM / 10 PSI	200	"	"	"					Flow Through Cell 200 mL/min/No Draw down
0855	8.52	4 CPM / 14 PSI	200	2.00	13.94	769	5.98	62.5	0.84		Increased Pressure; Flow Through Cell 300 mL/min
0900	8.51	"	300	3.25	13.77	738	6.03	43.7	0.91	49.9	
0905	8.52	"	"	4.75	13.76	718	6.05	33.4	0.99	39.4	
0910	8.52	"	"	6.25	13.71	704	6.05	28.5	1.02	36.8	Checked Flow Through Cell 300 mL/min
0915	8.52	"	"	7.50	13.73	697	6.05	26.0	1.08	21.7	
0920	8.51	"	"	9.00	13.67	684	6.05	25.3	1.14	19.2	
0925	8.52	"	"	10.75	13.64	675	6.05	25.8	1.16	18.1	
0930	8.51	"	"	12.00	13.69	668	6.05	26.4	1.26	14.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-9045 Date 5-26-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 5' / 15' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 21 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0935	8.52	4CPM / 14PSI	300	13.5	13.65	663	6.05	27.8	1.32	10.33	cracked Flow through cell 300 mL/min
0940	8.51	"	"	15.0	13.66	662	6.05	28.7	1.34	7.84	water: Clear, No Odor
0945	8.52	"	"	17.25	13.68	6.60	6.05	29.1	1.33	6.96	
0950	8.51	"	"	18.50	13.69	662	6.04	30.1	1.34	4.83	
0955	8.52	"	"	19.50	13.68	662	6.05	31.8	1.33	4.77	
1000	8.52	"	"	21.00	13.69	663	6.05	32.0	1.34	4.32	Condition 2
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Good well, Low Turbidity. will Likely do more than 300 mL/min.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.8 PPM

Location (Site/Facility Name) SRSNE
Well Number MW-904S Date 5-26-10
Field Personnel D. Garsigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 5' / 15' of screen (below MP) top bottom * Update Data Base
Pump Intake at (ft. below MP) 14' BMP
Purging Device; (pump type) SamplePro Bladder ID #
Total Volume Purged 21 L 10216

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0845	8.50	4 CPM / 7 PSI	150	2 l	Cell Filling						Initial No Draw-down. Increased Pressure
0850	8.50	4 CPM / 10 PSI	200	"	"	"					Flow Through Cell 200 mL/min/No Draw down
0855	8.52	4 CPM / 14 PSI	200	2.00	13.94	769	5.98	62.5	0.84		Increased Pressure; Flow Through Cell 300 mL/min
0900	8.51	"	300	3.25	13.77	738	6.03	43.7	0.91	49.9	
0905	8.52	"	"	4.75	13.76	718	6.05	33.4	0.99	39.4	
0910	8.52	"	"	6.25	13.71	704	6.05	28.5	1.02	36.8	Checked Flow Through Cell 300 mL/min
0915	8.52	"	"	7.50	13.73	697	6.05	26.0	1.08	21.7	
0920	8.51	"	"	9.00	13.67	684	6.05	25.3	1.14	19.2	
0925	8.52	"	"	10.75	13.64	675	6.05	25.8	1.16	18.1	
0930	8.51	"	"	12.00	13.69	668	6.05	26.4	1.26	14.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-9045 Date 5-26-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 5' / 15' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 14' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 21 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0935	8.52	4CPM / 14PSI	300	13.5	13.65	663	6.05	27.8	1.32	10.33	cracked Flow through cell 300 mL/min
0940	8.51	"	"	15.0	13.66	662	6.05	28.7	1.34	7.84	water: Clear, No Odor
0945	8.52	"	"	17.25	13.68	6.60	6.05	29.1	1.33	6.96	
0950	8.51	"	"	18.50	13.69	662	6.04	30.1	1.34	4.83	
0955	8.52	"	"	19.50	13.68	662	6.05	31.8	1.33	4.77	
1000	8.52	"	"	21.00	13.69	663	6.05	32.0	1.34	4.32	Condition 2
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Good well, Low Turbidity. will Likely do more than 300 mL/min.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-905M Date 5-14-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 17 / 25 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 21'
Purging Device; (pump type) Bladder ID 12752
Total Volume Purged 8.6

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1413	7.93	14/1									Begin Purging
1432	7.99		-25		16.26	294	7.09	364.4	8.90	132	increasing flow
1440	8.05	13.5/1.5	50		14.24	292	7.06	360.1	9.06	139	increasing flow
1450	8.09	13/2	100	2	12.24	287	7.02	365.6	9.27	91.2	" "
1500	8.15	12.5/2.5	150	& 3.5	11.54	283	6.99	368.1	9.29	76.9	" "
1510	8.21	12/3	175	5	11.04	281	6.98	369.0	9.33	58.6	
1515	8.21			6.3	11.17	281	6.99	368.8	9.30	48.2	
1520	8.17			7	11.55	282	7.00	370.2	9.22	41.1	
1525	8.19			7.8	11.50	283	7.00	370.0	9.22	41.8	
1530	8.17			8.6	11.44	283	7.00	370.9	9.19	39.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

SAMPLE TIME 1535
MW-905M-05142010

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-906D Date 06-07-2010
Field Personnel J. Lagoudes
Sampling Organization demaximis
Identify MP T.O.R

Depth to 50 / 60 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 55
Purging Device; (pump type) Bladder ID# ~~R152~~ 10216
Total Volume Purged 24.15 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
											Begin Purge.
15:25	6.87	11/4	250	1.25							Changing Nitrogen tank.
15:30	7.10	11	——	1.25	14.04	314	7.44	139.7	1.83		Resumed Purge.
15:35	7.10	11	250	2.50	14.59	309	7.77	36.4	0.93	99.8	
15:40	7.12	11/4	250	3.75	13.42	306	7.87	-92.0	0.54	100.8	
15:45	7.13	11	11	5.00	13.23	304	7.93	-186.5	0.40	117	
15:50	7.13	11	11	6.25	13.14	303	7.98	-234.8	0.33	140	
15:55	7.11	11/4	215	7.325	13.09	302	8.00	-260.3	0.30	202	
16:00	7.11	11/4	215	8.40	13.33	301	7.99	-271.3	0.29	370	
16:05	7.11	~~11/4~~ 11/4	215	9.475	13.27	301	8.00	-277.8	0.28	545	
16:10	7.11	11	11	10.55	13.32	300	8.00	-283.0	0.28	733	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-906D Date 06-07-2010
Field Personnel JL
Sampling Organization demaximis
Identify MP T.O.R

Depth to 50 / 60 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 55
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 24.15 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
16:15	7.08	11.5/3.5	185	11.475	13.21	299	7.99	-286.2	0.27	735	
16:20	7.08	11	11	12.40	13.38	298	7.95	-285.6	0.27	753	
16:25	7.08	11	11	13.325	13.48	298	7.96	-286.3	0.27	729	
16:30	7.07	11	11	14.25	13.47	299	7.97	-283.9	0.27	672	
16:35	7.07	11.5/3.5	180	15.15	13.45	298	7.88	-285.4	0.28	643	
16:40	7.07	11	11	16.05	13.39	298	7.93	-286.1	0.27	591	
16:45	7.07	11	11	16.95	13.30	299	7.92	-287.1	0.27	540	
16:50	7.07	11	11	17.85	13.36	300	7.90	-288.3	0.27	497	
16:55	7.07	11	11	18.75	13.38	299	7.91	-290.7	0.27	452	
17:00	7.07	11	11	19.65	13.25	299	7.93	-291.4	0.27	405	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

3/3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number _____ Date 06-07-2010
Field Personnel J.L
Sampling Organization dematimis.
Identify MP T.O.R.

Depth to 50 / 60 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 55
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 24.15L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
17:05	7.07	11.5/3.5	180	20.55	13.33	300	7.92	-292.3	0.26	388	
17:10	7.07	"	"	21.45	13.25	301	7.94	-291.1	0.27	367	
17:15	7.07	"	"	22.35	13.20	301	7.91	-294.1	0.27	325	
17:20	7.07	"	"	23.25	13.18	301	7.93	-297.2	0.27	295	
17:25	7.07	"	"	24.15	12.91	302	7.92	-300.1	0.27	273	
17:30			sample time								sample time.
18:00											Finished sampling.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1750

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-906M Date 5/21/10
Field Personnel Ramotti
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 30 / 40 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 35'
Purging Device; (pump type) 9198
Total Volume Purged 14725

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0830	8.12	10/5	350	2450	12.13	379	7.56	-74.5	6.65	17.7	Water Stable.
0835	8.12	10/5	350	4200	12.13	350	7.54	-73.6	6.65	17.0	
0840	8.12	10/5	350	5950	12.24	349	7.55	41.0	6.43	16.5	
0845	8.12	10/5	350	7825	12.29	348	7.58	44.3	6.42	3.05	
0850	8.12	10/5	350	9575	12.21	347	7.58	48.8	6.51	2.04	
0855	8.12	10/5	350	11375	12.47	346	7.60	49.0	6.51	2.68	Sampled @ 0905
~~0900~~											
~~0905~~											
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/4

Location (Site/Facility Name) SRSNE
Well Number MW-906R Date 06-08-2010
Field Personnel J. Lagoudes
Sampling Organization demaximis
Identify MP T.O.R

Depth to ~~93~~ / ~~113~~ of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 103.0
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 13.315 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[c]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
09:25	4.15	10/5	225	1.115							Begin Purge.
09:30	5.55	~~11.5~~ 3.5	200	2.115	13.15	2862	11.74	213.5	5.13	38.9	
09:35	7.21	~~11~~	200	3.115	13.03	2612	~~11.67~~	184.2	4.71	31.9	
09:40	7.87	12.5/2.5	110	3.665	12.86	2462	11.62	166.0	4.38	26.6	
09:45	8.50	11	11	4.215	13.42	2418	11.54	155.3	4.21	18.5	
09:50	9.08	11	11	4.765	13.64	2401	11.58	140.8	4.15	13.70	
09:55	9.55	11	11	5.315	13.68	2389	11.61	128.6	4.12	9.88	
10:00	10.20	~~13~~ 13/2	65	5.64	13.55	2382	11.60	120.7	4.09	- -	
10:05	10.55	13/2	65	5.965	13.86	2374	11.58	113.5	4.05	10.94	
10:10	10.90	11	70	6.315	14.29	2370	11.61	104.2	4.05	8.16	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/4

Location (Site/Facility Name) SRSNE
Well Number MW-906R Date 06-08-2010
Field Personnel J.Lagoudes
Sampling Organization demaximis
Identify MP T.O.R

Depth to 93 / 113 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 103.0
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 13.315 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:15	11.10	13.5/11.5	50	6.565	14.57	2364	11.62	96.1	4.03	8.00	
10:20	11.28	11	11	6.815	15.20	2365	11.61	88.6	4.01	7.13	Sun shine on cell. moved it to shade.
10:25	11.47	11	11	7.065	15.79	2387	11.63	81.0	4.01	7.03	
10:30	11.62	11	11	7.315	16.07	2382	11.70	74.4	3.97	6.73	
10:35	11.76	11	11	7.565	16.31	2380	11.64	68.6	3.96	5.80	
10:40	11.91	11	11	7.815	16.23	2379	11.64	63.1	4.05	5.48	
10:45	12.10	11	11	8.065	16.22	2368	11.65	58.5	4.04	6.46	
10:50	12.26	11	11	8.315	16.21	2364	11.66	54.1	4.09	5.63	
10:55	12.43	11	11	8.565	16.20	2361	11.66	50.2	4.10	5.26	
11:00	12.60	13.5/11.5	50	8.815	15.97	2363	11.66	46.7	4.15	4.99	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

8.15

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/4

Location (Site/Facility Name) SRS NE
Well Number MW-906R Date 06-08-2010
Field Personnel J. Lagoudes
Sampling Organization demaximis
Identify MP T.O.R

Depth to 93 / 113 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 103.0
Purging Device; (pump type) Bladder ID # 10216
Total Volume Purged 13.315 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11:05	12.75	13.5/1.5	50	9.065	15.86	2356	11.65	43.8	4.17	5.06	
11:10	12.90	"	"	9.315	15.86	2348	11.65	41.1	4.17	5.32	
11:15	13.05	"	"	9.565	15.68	2346	11.66	38.7	4.18	5.05	
11:20	13.20	"	"	9.815	15.53	2337	11.66	36.6	4.20	5.01	
11:25	13.34	"	"	10.065	15.49	2334	11.67	34.5	4.20	4.41	
11:30	13.45	"	"	10.315	15.52	2328	11.66	32.6	4.20	4.72	
11:35	13.60	"	"	10.565	15.64	2326	11.66	30.8	4.20	4.58	
11:40	13.73	"	"	10.815	15.68	2325	11.68	28.9	4.18	4.52	
11:45	13.86	"	"	11.065	15.82	2318	11.64	27.3	4.16	4.07	
11:50	14.00	"	"	11.315	15.84	2318	11.64	25.9	4.18	4.31	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 4/4

Location (Site/Facility Name) SRSNE
Well Number MW-906R Date 06-08-2010
Field Personnel J. Lagoudes
Sampling Organization demaximis.
Identify MP T.O.R

Depth to 93 / 113 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 103.0
Purging Device; (pump type) Bladder ID# 10216
Total Volume Purged 13.315 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
11:55	14.11	13.5/1.5	50	11.565	15.87	2319	11.66	24.6	4.16	4.50	
12:00	14.23	"	"	11.815	16.09	2313	11.62	23.6	4.16	4.32	
12:05	14.35	"	"	12.065	16.17	2317	11.63	22.2	4.10	4.80	
12:10	14.47	"	"	12.315	16.13	2315	11.63	21.1	4.10	4.57	
12:15	14.61	"	"	12.565	15.99	2316	11.64	20.3	4.16	4.38	
12:20	14.76	"	"	12.815	16.02	2310	11.64	19.2	4.39	4.27	
12:25	14.87	"	"	13.065	16.18	2303	11.63	17.9	4.80	4.62	
12:30	15.01	"	"	13.315	16.38	2297	11.61	17.1	5.00	4.80	
12:35											sample time.
14:37											Finished sampling
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-907D Date 05/18/10
Field Personnel J Rennell
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 45 / 55 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50
Purging Device; (pump type) MP15 Serial # 15785
Total Volume Purged 19300

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged ml liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L	Turb-idity NTU	Comments DTB (ft) = 52.9
0850	6.84	11/4	100	300	10.31	742	9.04	62.1	3.82	>1000	Brown Color w/odor
0855	6.84	11/4	100	800	10.17	583	7.42	-42.1	2.21	>1000	" "
0900	6.84	11/4	100	1300	10.18	588	7.04	-44.9	1.91	>1000	
0905	6.84	11/4	200	2300	10.13	593	6.93	-49.0	1.96	>1000	
0910	6.86	11/4	200	4300	10.15	599	6.90	-50.1	1.72	>1000	
0915	6.85	11/4	200	5300	10.15	600	6.87	-51.7	1.19	>1000	
0920	6.86	11/4	200	6300	10.16	617	6.85	-51.3	1.09	>1000	
0925	6.84	11/4	200	7300	10.14	619	6.85	-51.4	1.00	>1000	
0930	6.84	11/4	200	8300	10.17	620	6.85	-51.8	0.91	>1000	
0935	6.81	11/4	200	9300	10.19	619	6.85	-52.9	0.81	511	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-907D Date 05/18/10
Field Personnel J. Remoth.
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 45 / 55 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) M-15 Serial# 15785
Purging Device; (pump type) 15765 50
Total Volume Purged 19300

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0940	6.82	11/4	200	10300	10.20	618	6.86	-55.1	0.70	380	
0945	6.82	11/4	200	11300	10.19	615	6.86	-58.7	0.64	306	
0950	6.81	11/4	200	12300	10.21	615	6.86	-59.1	0.62	290	
0955	6.81	11/4	200	13300	10.21	615	6.86	-61.8	0.60	275	
1000	6.81	11/4	200	14300	10.18	614	6.89	-63.4	0.60	237	
1005	6.81	11/4	200	15300	10.11	614	6.89	-66.4	0.57	198	
1010	6.82	11/4	200	16300	10.08	610	6.89	-68.1	0.47	168	
1015	6.82	11/4	200	17300	10.08	616	6.88	-69.4	0.42	151	
1020	6.82	11/4	200	18300	10.08	616	6.88	-72.8	0.39	139	
1025	6.82	11/4	200	19300	10.09	616	6.90	-71.9	0.38	138	Sampled @ 1030
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-907 DR Date 05/18/10
Field Personnel Remott
Sampling Organization O&M, Inc.
Identify MP TOC (PVC)

Depth to 147 / 162 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 152
Purging Device; (pump type) ~~Bottom Pump~~ 08087
Total Volume Purged 5500

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments ~~1330~~
1350	1.95	11/4	50	750	10.53	3017	8.80	43.2	4.30	16.6	clear color.
1355	1.92	11/4	50	1000	10.61	3021	8.84	40.9	3.74	6.53	
1400	1.68	11/4	50	1250	10.65	3024	8.89	40.8	3.51	4.25	
1405	1.76	11/4	50	1500	10.65	3030	8.89	41.8	3.08	3.27	
1410	1.65	11/4	50	1750	10.79	3028	8.98	40.4	3.07	3.85	
1415	1.65	11/4	50	2000	10.79	3031	8.93	39.3	2.92	2.52	
1420	1.64	11/4	50	2250	10.81	3032	8.93	38.9	2.80	1.87	
1425	1.64	11/4	50	2500	10.84	3034	8.94	40.1	2.71	1.44	
1430	1.64	11/4	50	2750	10.84	3032	8.96	40.8	2.58	2.19	
1435	1.64	11/4	50	3000	10.85	3032	8.96	40.7	2.46	2.08	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 2 of 2

Location (Site/Facility Name) SRSNE
Well Number MW-907 DR Date 05/18/10
Field Personnel Remont
Sampling Organization O&M, Inc.
Identify MP TOC (PVC)

Depth to 142 / 162 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 152
Purging Device; (pump type) ~~Bladder~~ 08057
Total Volume Purged 5500 ~~Pg 2 of 2~~

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1540	1.45	11/4	50	3250	10.86	3032	8.95	40.6	2.33	1.85	
1545	1.45	11/4	50	3500	10.82	3031	8.94	40.6	2.22	1.71	
1550	1.45	11/4	50	3750	10.82	3035	8.99	40.4	1.28	1.76	
1555	1.44	11/4	50	4000	10.68	3037	9.00	40.5	1.10	1.85	
1500	1.42	11/4	50	4250	10.64	3035	9.00	45.7	0.87	1.75	
1505	1.42	11/4	50	4500	10.66	3034	9.00	45.6	0.85	1.82	
1510	1.42	11/4	50	4750	10.68	3033	9.00	46.0	0.84	1.96	
1515	1.46	11/4	50	5000	10.70	3037	9.00	46.2	0.82	2.00	
1520	1.44	11/4	50	5250	10.76	3037	9.00	47.8	0.81	1.94	
1525	1.38	11/4	50	5500	10.89	3038	8.97	52.4	0.89	1.99	Sampled @ 15:35
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-907 M Date 5/19/10
Field Personnel REMOTE
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 26 / 36 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 31'
Purging Device; (pump type) 15808
Total Volume Purged 27450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1] MW907	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	6.18	10/5 BMW	200	1200	9.86	1234	6.55	12.5	0.64	433	Brown w/slight odor
0915	6.18	10/5	200	2200	9.82	1208	6.55	10.9	0.37	390	
0920	6.18	10/5	200	3200	9.87	1208	6.55	9.2	0.35	365	
0925	6.18	10/5	200	4200	9.97	1203	6.56	9.7	0.35	349	
0930	6.18	10/5	200	5200	9.98	1197	6.57	8.9	0.34	293	
0935	6.20	10/5	200	6200	9.87	1196	6.58	1.7	0.35	266	
0940	6.20	10/5	200	7200	9.87	1192	6.58	-0.4	0.34	215	
0945	6.20	10/5	200	8200	9.98	1191	6.59	-28.5	0.31	225	
0950	6.20	10/5	200	9200	9.91	1212	6.59	-29.1	0.30	194	
0955	6.20	10/5	200	10200	9.92	1201	6.60	-32.2	0.27	179	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-907M Date 5/19/10
Field Personnel REMONTI
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 26 / 36 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 31'
Purging Device; (pump type) /5806
Total Volume Purged 27450

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1] 40 PSI	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm ✓	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:00	6.20	10/2	200	11200	9.92	1191	6.62	-35.4	0.26	162	
1005	6.20	10/2	200	12200	9.93	1180	6.63	-35.2	0.22	159	
1010	6.20	10/2	200	13200	9.97	1196	6.63	-36.6	0.17	154	
1015	6.18	10/2	200	14200	9.93	1186	6.64	-37.3	0.17	135	
1020	6.18	10/2	200	15200	9.97	1185	6.65	-37.8	0.17	109	
1025	6.20	10/2	200	16200	9.95	1205	6.65	-40.0	0.17	92	
1030	6.21	10/2	200	17200	9.96	1200	6.65	-39.5	0.17	88	
1035	6.20	10/2	200	18200	9.97	1215	6.65	-40.3	0.16	96.2	
1040	6.19	10/2	200	19200	9.97	1193	6.66	-41.9	0.16	87.2	
1045	6.20	10/2	200	20200	10.00	1198	6.67	-42.5	0.15	80.8	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-907M Date 05/19/10
Field Personnel Remotu
Sampling Organization O&M, Inc.
Identify MP TOC

Depth to 26 / 36 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 31'
Purging Device; (pump type) ISAMP
Total Volume Purged 26 GAL, 450

PG 3 of 3

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU ✓	Comments
1058	6.20	10/2	800	20.200	10.00	1196	6.66	-41.9	0.15	82.4	
											Sampled @ 1100
											DUP Collected & labeled
											DUP-GW-05192010-#1 @ 1045 hrs
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SESNG
Well Number MW-908D Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TIC 9.37 = Initial DTW

Depth to 25 / 30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 27.5
Purging Device; (pump type) Bladder Pump 15803
Total Volume Purged 2.90 gals

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1420	9.46		200		18.29	478	6.50	-92.2	0.10	91.6	
1425	9.46		200	1000	17.72	476	6.65	-102.5	0.10	77.2	
1430	9.46		200	2000	17.63	475	6.53	-105.4	0.09	77.9	
1435	9.46		200	3000	18.24	475	6.71	-115.2	0.08	78.0	
1440	9.46		200	4000	18.90	477	6.90	-126.4	0.08	62.5	
1445	9.46		200	5000	18.88	477	6.90	-126.1	0.08	64.2	
1450	9.46		200	6000	19.92	477	6.89	-124.1	0.07	55.5	
1455	9.46		200	7000	19.25	478	6.89	-127.3	0.07	54.6	
1500	9.46		200	8000	20.02	478	6.82	-121.2	0.08	45.2	
1505	9.46		200	9000	20.89	479	6.85	-124.1	0.09	44.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

0.09

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SLSWB
Well Number MW-908D Date 5/20/10
Field Personnel EC
Sampling Organization ARCADIS
Identify MP TOC

Depth to 25 / 30 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 27.5
Purging Device; (pump type) Bladder pump
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1510	9.46		100	9500	22.12	480	6.90	-124.5	0.09	44.1	
1515	9.44		100	10000	22.86	479	6.90	-120.2	0.10	43.6	
1520	9.40		100	10500	23.03	479	6.90	-118.6	0.10	44.2	
1525	9.40		100	11000	23.11	479	6.89	-116.1	0.11	45.8	
	SAMPLE										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-909D Date 5/20/10
Field Personnel Ronelli
Sampling Organization O&M, Inc.
Identify MP TOC.

Depth to 23 / 28 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 25.5
Purging Device; (pump type) 9198
Total Volume Purged 12935

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1420	5.61	13/2	100	1000	16.34	479	6.58	2.7	0.66	399	Very strong odor w/ sheen
1425	5.61	13/2	100	1500	16.41	480	6.54	-3.7	0.72	368	
1430	5.68	13/2	100	2000	16.92	480	6.55	-6.3	0.67	343	
1435	5.72	13/2	100	2500	17.81	480	6.55	-8.8	0.62	323	
1440	5.69	13/2	75 ~~100~~	3000	17.15	474	6.50	-4.5	0.54	326	
1445	6.72	13.2	75	3375	16.65	468	6.47	-6.9	0.50	224	
1450	6.72	13.2	75	3750	17.23	459	6.46	1.2	0.53	201	line kink (fixed)
1455	6.66	13.2	75	4125	17.61	445	6.49	0.6	0.54	192	
1500	6.72	13.2	75	4500	17.21	441	6.48	0.4	0.54	171	
1505	6.72	13.2	75	4875	17.12	428	6.42	6.7	0.46	154	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

FB 2.02

Location (Site/Facility Name) SRSNE
Well Number MW-909 D Date 5/20/10
Field Personnel Remotti
Sampling Organization QEM, Inc
Identify MP TOC

Depth to 23 / 28 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 26.5
Purging Device; (pump type) 9198
Total Volume Purged 129.55

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1510	6.72	13/2	75	4950	17.44	421	6.42	7.6	.44	140	
1515	6.72	13/2	75	5325	17.42	420	6.42	8.1	.44	130	
1520	6.72	13/2	75	5700	15.97	420	6.40	11.7	.42	124	
1525	6.72	13/2	75	6075	15.81	401	6.39	13.0	0.32	78.3	
1530	6.72	13/2	75	6450	15.95	401	6.40	14.0	0.33	69.1	
1535	6.72	13/2	75	6825	15.98	396	6.42	12.0	0.33	50.4	
1540	6.72	13/2	75	7200	16.09	395	6.42	11.5	0.34	47.9	
1545	6.70	13/2	75	7575	16.28	387	6.41	12.3	0.34	46.4	Sample @ 1550
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1333 PG 1 OF 1

Location (Site/Facility Name) SRSNE
Well Number MW-916-S Date 6/7/10
Field Personnel Powell
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 20.7 / 30.7 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 32.3
Purging Device; (pump type)
Total Volume Purged 14000

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1410	29.5	9/6	400	4000	14.64	.651	6.16	82.2	0.52	71000	Pump set @
1415	29.5	9/6	400	6000	14.26	.647	6.11	111.4	5.25	61.6	MS/MSD Collected
1420	29.5	9/6	400	8000	14.24	.646	6.18	113.3	6.80	39.7	
1425	29.5	9/6	400	10000	14.23	.645	6.20	114.3	6.80	33.9	
1430	29.5	9/6	400	12000	14.12	.645	6.24	113.4	6.78	22.7	
1435	29.5	9/6	400	14000	14.07	.645	6.28	114.3	6.86	13.7	
1440	29.5	9/6	400	14000	14.15	.645	6.28	115.2	7.42	5.9	
1445	29.5	9/6	400	14000	14.07	.645	6.30	117.9	7.19	4.9	
1450	29.5	9/6	400	14000	14.11	.645	6.31	118.4	7.17	4.2	
1455	29.5	9/6	400	14000	14.11	.645	6.30	120.5	6.87	4.0	Sampled @ 1500
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/2

Location (Site/Facility Name) SRS NE
Well Number MWL-303 Date 05/19/2010
Field Personnel John Lagoudes
Sampling Organization O'M, Dematimis
Identify MP TOR.

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9.5
Purging Device; (pump type) Bladder 11269 → Finished with Bailer
Total Volume Purged 5.5L.

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
15:05	8.25	14/1									DTW(ft) 8.65 Prior to Pump Placement. Begin purge.
15:10	8.60	13.5/14.5									No water output yet.
15:15	8.83	14/1									Ran out of water. Pumping at lowest Dial. 14/1
15:20		11									
15:25	[redacted]										pump is out of well
15:30	9.2										Recording recharge rate.
15:35	9.14										
15:40	9.11										
15:45	9.10										
16:10	9.05										
Stabilization Criteria					3%	3%	±0.1	±10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

2/2.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-303 Date 05/19/2010
Field Personnel John Lagarides
Sampling Organization O+M, Demaximis
Identify MP TOR.

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) _____
Purging Device; (pump type) Bailer
Total Volume Purged 2.5 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
17:00											
~~0800~~	8.96										
05/20/2010 08:30	8.62										Sample time using Bailer
09:15	10.5										I will have to return for filling SVOA, and PCB bottle, allow well to recharge
13:00											sampling last 2 bottles.
											Ended sampling at 13:10
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

0.16

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-304 Date 5/24/10
Field Personnel Remotti
Sampling Organization O&M
Identify MP TOC

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6'
Purging Device; (pump type) Zoe pump
Total Volume Purged 11269 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C ✓	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv ✓	DO mg/L ✓	Turb-idity NTU	Comments
0840	4.08	@40psi 10/5	350 ~~700~~	~~700~~	14.39	365	5.24	131.9	3.21	67.1	clear w/odor
0845	4.11	12.5/2.5	300	2200	12.45	338	5.78	51.1	0.53	33.9	water level Stable
0850	4.11	12.5/2.5	300	3700	12.02	321	6.61	-4.3	0.32	21.3	
0855	4.11	" "	300	6200	11.71	304	6.16	-24.6	0.29	11.0	
0900	4.11	" "	300	7700	11.76	296	6.21	-36.9	0.27	24.2	
0905	4.11	" "	300	9200	11.95	292	6.24	-37.8	0.27	7.30	
0910	4.11	" "	300	10700	11.97	288	6.28	-42.0	0.26	6.58	
0915	4.11	" "	300	12200	11.94	286	6.28	-43.6	0.26	5.82	
0920	4.11	" "	300	13700	12.04	284	6.31	-45.1	0.25	4.82	
0925	4.11	" "	300	15200	12.12	279	6.33	-45.1	0.25	3.62	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-304 Date 9/24/10
Field Personnel Rimoldi
Sampling Organization ~~FOS~~ O&M, Inc
Identify MP TOC

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6'
Purging Device; (pump type) Bladder
Total Volume Purged 11269

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0930	4.11	12.5/2.5	300	16700	12.28	278	6.33	-45.3	0.25	3.54	Sampled @ 0940
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-307 Date 5/24/10
Field Personnel EE
Sampling Organization ARCADIS
Identify MP TIC 4.46'

Depth to 1.0 / 11.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6'
Purging Device; (pump type) Bladder 9445
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1505	4.48	4/min	100		15.32	529	5.75	5.2	9.45	>1000	Strong odor
1510	4.48		"		15.01	529	5.75	5.3	7.74	>1000	
1515	4.48		"		14.51	532	5.74	8.9	4.57	>1000	
1520	4.48		"		14.70	537	5.74	11.3	3.22	350	
1525	4.48		"		14.44	543	5.72	13.30	3.01	210	
1530	4.48		"		14.29	546	5.70	15.70	3.44	140	
1535	4.48		"		14.25	570	5.64	14.22	5.17	80	
1540	4.48		"		14.37	589	5.61	24.9	5.39	50	
1545	4.48		"		13.92	592	5.39	27.7	5.46	35	
1550	4.48		"		13.53	580	5.59	29.4	5.46	37	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

1630

PID = 2.7 ppm

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-307 Date 5/24/10
Field Personnel JC
Sampling Organization ARCADIS
Identify MP TIC

Depth to 1.0 / 11.0 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 6.0'
Purging Device; (pump type) Bladder ~~#~~
Total Volume Purged 2.11 gals (~~8000~~ 8000 mL

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1555	4.48	4/min	100		14.36	568	5.60	28.5	3.59	17	
1600	4.48	"	"		13.96	571	5.58	30.7	3.55	13	
1605	4.48	"	100		13.89	568	5.57	31.0	4.41	14	
1610	4.48	"	100		13.61	569	5.57	32.0	4.44	12	
1615	4.48	"	"		13.51	567	5.56	33.0	4.01	12	
1620	4.48	"	"		13.49	567	5.55	33.1	3.97	12	
1625	4.48	"	"	8000	13.49	565	5.55	33.0	3.81	13	
		Stopped									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MWL - 309 Date 5/19/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 3.29)

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6
Purging Device; (pump type) Bladder (12752)
Total Volume Purged 6.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1430	4.12	12/3 clm	50	0	15.62	686	7.05	38.1	6.11	285	
1435	4.22	12/3 clm	50	0.250	15.56	707	7.02	41.0	4.38	305	
1440	4.32	12/3 clm	50	0.500	15.71	696	7.03	42.2	5.34	311	
1445	4.42	12/3 clm	50	0.750	16.05	670	7.06	45.9	5.13	221	
1450	4.53	12/3 clm	50	1.000	16.18	662	7.05	47.0	5.73	204	
1455	(connect pump to bottom of well to prevent well from drying										
1500	4.31	12/3 clm	50	1.500	16.55	647	7.05	51.8	4.97	166	
1505	4.81	12/3 clm	50	1.750	16.89	645	7.04	54.1	5.16	180	
1510	5.61	12/3 clm	50	2.000	17.20	622	7.03	58.1	5.96	Err	
1515	6.00	12/3 clm	50	2.250	16.10	1130	6.84	5.6	4.09	Err	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SPSNE
Well Number MWL-309 Date 5/19/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial) DTW: 3.24)

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9'
Purging Device; (pump type) bladder (2752)
Total Volume Purged 6.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1520	6.36	12/3 dm	50	2.500	15.60	1165	6.82	-18.1	8.88	886	
1525	6.66	12/3 dm	50	2.750	16.14	1180	6.85	-30.2	7.49	701	
1530	6.99	12/3 dm	50	3.000	16.07	1198	6.85	-34.6	6.80	557	
1535	7.36	12/3 dm	50	3.250	15.89	1217	6.86	-37.5	7.12	263	
1540	7.62	12/3 dm	50	3.500	15.28	1232	6.87	-40.0	7.78	209	
1545	7.81	12/3 dm	50	3.750	15.33	1233	6.88	-44.4	6.69	192	
1550	8.10	12/3 dm	50	4.000	15.70	1231	6.88	-45.6	6.90	198	
1555	8.51	12/3 dm	50	4.250	16.65	1192	6.88	-44.1	6.20	210	
1600	8.75	12/3 dm	50	4.500	16.68	1108	6.89	-41.4	5.80	232	
1605	8.98	12/3 dm	50	4.750	15.36	997	6.87	-35.5	6.79	248	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MW-309 Date 5/19/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 3.24)

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9'
Purging Device; (pump type) bladder (12752)
Total Volume Purged 6.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1610	9.15	12/3 dm	50	5.000	15.72	974	6.87	-35.1	7.01	259	
1615	9.41	12/3 dm	50	5.250	14.99	989	6.86	-35.6	6.97	269	
1620	9.65	12/3 dm	50	5.500	14.82	998	6.83	-37.0	7.31	276	
1625	9.79	12/3 dm	50	5.750	15.10	1003	6.84	-38.2	6.59	269	
1630	9.92	12/3 dm	50	6.000	14.93	1027	6.85	-40.0	6.51	282	
1635	10.16	12/3 dm	50	6.250	14.32	1054	6.87	-43.5	6.36	264	
1640	10.41	12/3 dm	50	6.500	14.02	1072	6.89	-47.2	5.91	295	
1645	instructed to stop low flow purging due to thunder storm coming down										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MWL-309 Date 5/20/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 3.43)

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 9'
Purging Device; (pump type) bladder (12752)
Total Volume Purged 6.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
840	3.72	12/3 cln	50	0	13.57	1370	6.35	99.2	9.36	986	
845	4.29	12/3 cln	90	0.250	13.45	1518	6.93	78.1	9.21	887	
	Sampled @ 0850										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number MWL-312 Date 5-20-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc
Identify MP TOR

Depth to 1.0 / 11.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6.0 8.0 @ 6.34'
Purging Device; (pump type) Bladder ID 10234
Total Volume Purged 2.6 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1300	6.31	14/1									Begin Purging
1315	6.42		70		20.40	69	5.61	263.5	9.73	7.9	
1325	6.47				17.09	63	5.51	270.7	8.97	4.4	increasing flow
1330	6.49	13.5/1.5	X#	1	16.10	62	5.47	274.3	8.60	5.1	
1335	6.55		150		14.84	64	5.44	278.0	8.38	3.5	
1340	6.55				14.03	61	5.40	281.0	8.29	2.5	
1345	6.55			2.2	13.99	61	5.41	282.7	8.30	1.5	
1350	6.55			2.6	13.96	61	5.43	283.0	8.13	1.5	
1400	SAMPLE TIME MWL-312-05202010										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

1/3

Location (Site/Facility Name) SRSNE
Well Number MWL-317 Date 09/14/2010
Field Personnel John Lagowsky
Sampling Organization ATM, Remediation.
Identify MP TOC

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 8.21.
Purging Device; (pump type) Bladder Pump ID# 11269
Total Volume Purged 11

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1500	7.50	14									Begin Purge.
1505	7.50	11									Pump Place at 8.21 since top of water is at 7.5
1510	7.50	11									No water
1515	7.55	~~14~~ 13.5									No water - water tube was disconnect from Pump.
											Resume Purge.
1520	7.56	~~14~~ 13.0	~~150~~ 50		14.38	208	6.28	100.7	6.22	err	Checked calibration is correct, but err3 on first turbidity. Collected 2nd pt was (err3)
1525	7.56	12.5	150		13.55	198	6.07	119.2	6.00	err3	
1530	7.60	11	11		13.02	196	6.01	132.3	6.12	400	
1535	7.65	~~14~~ 11	150		12.24	195	5.97	140.5	6.14	280	
1540	7.65	11	11		12.01	195	5.97	146.5	6.02	170	
1545	7.65	11	11		11.78	195	5.97	151.9	5.88	90	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number MW-313 Date 05/14/2010
Field Personnel John Lagouder
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 8.21
Purging Device; (pump type) Bladder ID# 11269
Total Volume Purged 11

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1550	7.65	12.5/25	~~100~~ 150		11.88	194	5.97	156.7	5.86	50	
1555	7.65	"	"	5L	12.30	193	5.79	159.9	5.79	29	
1600	7.65	"	"	7	11.97	193	5.98	165.9	6.00	22	
1605	7.65	"	"		11.92	193	5.97	164.5	5.85	14	
1610	7.65	"	"		12.42	192	6.00	172.9	5.80	9.7	
1615	7.65	"	"	8	12.47	192	6.00	175.4	5.94	7.7	
1620	7.65				12.49	192	6.00	178.3	6.00	7.2	
1625	7.65				12.10	192	6.06	183.1	6.05	7.1	
1630	7.65				12.02	186.9	5.97	187.4	6.00	5.1	
1635	7.65			11	11.93	193	5.97	190.0	5.90	4.8	
Stabilization Criteria				5	3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number MW-313 Date 05/14/2010
Field Personnel John Lagoudes
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 1 / 11 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 8.21
Purging Device; (pump type) Bladder ID # 11269
Total Volume Purged 11

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1640			Sampling time.								
			Ended sampling at 1700.								
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Pg 1 of 2

Location (Site/Facility Name) SRSNE
Well Number P-3A Date 5/26/16
Field Personnel Rennett
Sampling Organization O&M, Inc
Identify MP TOC

Depth to 54.5 / 64.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 59.5
Purging Device; (pump type) 10230
Total Volume Purged 7150

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm ✓	pH ✓	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0805	2.75	11.5/3.5	50	500							
0825	3.89	" "	50	750	15.53	659	6.90	35.4	0.59	9.06	
0830	3.87	" "	50	1000	16.10	646	6.92	44.6	0.63	16.5	
0835	4.03	" "	50	1250	16.68	640	6.92	57.7	0.70	7.78	
0840	4.10	" "	50	1500	17.25	637	6.91	71.1	0.84	7.49	
0845	4.19	" "	50	1750	18.17	633	6.90	87.7	0.96	7.32	
0850	4.20	" "	50	2000	18.36	632	6.89	94.2	0.97	7.23	
0855	4.29	" "	50	2250	18.75	632	6.91	102.0	0.99	7.27	
0900	4.25	" "	50	2500	19.25	631	6.92	112.9	0.99	7.16	
0905	4.25	" "	50	2750	19.25	631	6.92	113.9	1.00	6.94	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-3A Date 5/26/16
Field Personnel Remott.
Sampling Organization OBG, I
Identify MP TOC

Depth to 54.5 / 64.5 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 59.5
Purging Device; (pump type) 10236
Total Volume Purged 7150

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0910	4.27	11:5/3:5	50	3000	19.60	630	6.92	119.9	1.00	7.36	
0915	4.15	" "	50	3250	19.78	630	6.92	123.3	0.98	7.03	
											Sampled @ 0925
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

P91 of 3
Pump 9198

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P3B Date 5/18/10
Field Personnel Pete Burton
Sampling Organization QEM Inc
Identify MP

Depth to 13 / 17 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15
Purging Device; (pump type) microparge bladder
Total Volume Purged 10.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1515	2.22	4	50	750	10.77	462	7.43	10.6	78.40		
1520	2.68	4	50	1000	10.90	462	7.44	-8.1	5.33	60	
1525	2.95	4	50	1250	10.79	464	7.43	-10.5	4.84	90	
1530	3.23	4	50	1500	10.77	463	7.43	-19.6	4.64	65	
1535	3.45	4	50	1750	10.74	463	7.43	-26.2	4.59	80	
1540	3.74	4	50	2000	10.66	464	7.42	-26.6	4.54	100	
1545	3.92	4	15	2315	1051	463	7.42	-35.7	4.50	150	flow ↓ ↑ Pressure
1550	4.11	4	75	2750	10.50	463	7.42	-43.8	4.44	160	H2O level off pressure
555	4.39	4	~~50~~ 75	3425	10.44	463	7.41	-32.4	4.40	150	back to 750 ml/min
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P-3B Date 5/18/10
Field Personnel Pete Bush
Sampling Organization O&M Inc
Identify MP

Depth to 13 / 17 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15
Purging Device; (pump type) microperge bladde
Total Volume Purged 10.3 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1600	4.49	4	~~550~~	3675	10.31	463	7.42	-25.7	4.35	120	H_2O rate
1605	4.49	4	50	3925	10.45	462	7.42	-42.4	4.33	200 170	all over the place
1610	4.67	4	75	4300	10.43	463	7.42	-29.6	4.34	170	cant keep 50 ml/mn
1615	4.92	4	75	4675	10.40	462	7.42	-30.0	4.33	170	w/o change pressure
1620	5.34	4	75	5050	10.19	463	7.42	-24.5	4.32	130	all time ↑ 75 ml/mn
1625	5.41	4	50	6000	10.16	462	7.43	-29.9	4.30	130	Rate not consistent
1630	5.50	4	~~100~~	6600	10.22	461	7.43	-35.5	4.26	120	
1635	5.83	4	125	7200	10.18	463	7.44	-53.8	4.29	110	
1640	5.90	4	75	7500	10.12	463	7.43	-58.2	4.29	110	
1645	5.96	4	100	8000	10.20	462	7.43	-55.3	4.28	100	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P-3B Date 5/18/10
Field Personnel Pete Burton
Sampling Organization QEM Inc
Identify MP

Depth to 13 / 17 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 15
Purging Device; (pump type) micropurge bladder
Total Volume Purged 10.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1650	6.10	4	100	8500	10.16	463	7.43	-46.9	4.30	95	
1655	5.98	4	75	8800	10.17	462	7.43	-43.1	4.28	90	
1700	5.90	4	75	9100	10.27	462	7.43	-41.5	4.27	85	H_2O line
1705	5.85	4	75	9500	10.32	462	7.43	-39.3	4.27	90	
1710	5.87	4	75	10000	10.34	462	7.43	-40.2	4.28	85	
1715	5.85	4	75	10300	10.28	462	7.42	-35.6	4.28	80	Samp
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PSB Date 5/20/10
Field Personnel EA
Sampling Organization ARCADIS
Identify MP TOC 4.70 = Initial DTW

Depth to 4 / 9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 6.50'
Purging Device; (pump type) Bladder P 15868
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1245	4.20	4/min	50		23.95	327	6.33	-64.4	0.63	39	
1250	5.43	"	50		23.58	325	6.32	-65.9	0.60	40	
1255	5.55	"	50		23.30	323	6.31	-66.8	0.57	39	
1300	6.50	"	50		19.93	306	5.97	-55.5	0.37	31	
1305	DRY	"	50		19.73	288	5.96	-47.3	0.25	21	
											JRO & JP came back to well on 5/21/2010 w.l. @ 4.8' mp., sample taken with bailer at 10:30 AM
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-6 Date 5/20/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 4.37)

Depth to 47.5 / 57.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52.5
Purging Device; (pump type) Bladder Pump (10216)
Total Volume Purged 6.250 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1150	4.81	12/3 clm	50	0	19.52	1391	6.53	18.1	2.99	75.0	
1155	4.83	12/3 clm	50	0.250	19.55	1391	6.66	18.7	3.02	33.9	
1200	4.83	12/3 clm	50	0.500	19.29	1390	6.58	19.7	2.98	23.5	
1205	4.83	12/3 clm	50	0.750	19.91	1385	6.59	20.0	3.02	24.3	
1210	4.83	12/3 clm	50	1.000	19.57	1384	6.60	17.9	3.03	21.5	
1215	4.83	12/3 clm	50	1.250	20.28	1382	6.58	24.9	3.79	18.3	
1220	4.83	12/3 clm	50	1.500	20.43	1382	6.59	22.4	3.57	18.5	
1225	4.83	12/3 clm	50	1.750	20.67	1383	6.59	21.7	3.46	20.4	
1230	4.83	12/3 clm	50	2.000	20.99	1385	6.60	21.9	3.39	22.3	
1235	4.83	12/3 clm	50	2.250	20.89	1395	6.56	20.2	3.41	16.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-6 Date 5/20/2010
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 4.37)

Depth to 47.5 / 57.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52.5
Purging Device; (pump type) Bladder (QED)
Total Volume Purged 6.250 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1240	4.83	12/3 dm	50	2.500	20.85	1401	6.54	19.7	3.35	15.1	
1245	4.83	12/3 dm	50	2.750	21.06	1639	6.41	27.2	2.89	21.2	
1250	4.83	12/3 dm	50	3.000	21.42	1752	6.37	28.2	3.62	17.9	
1255	4.83	12/3 dm	50	3.250	21.59	1928	6.36	28.6	3.67	16.3	
1300	4.83	12/3 dm	50	3.500	21.94	2065	6.35	28.0	3.79	19.8	
1305	4.83	12/3 dm	50	3.750	21.99	2086	6.35	28.2	3.19	17.5	
1310	4.83	12/3 dm	50	4.000	22.26	2102	6.35	27.9	3.25	27.7	
1315	4.83	12/3 dm	50	4.250	22.47	2119	6.35	27.6	3.31	36.8	
1320	4.83	12/3 dm	50	4.500	22.56	2129	6.36	27.8	3.56	40.5	
1325	4.83	12/3 dm	50	4.750	22.78	2147	6.36	27.9	3.97	37.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-6 Date 5/20/2012
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 4.37)

Depth to 47.5 / 57.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 52.5
Purging Device; (pump type) bladder (QED216)
Total Volume Purged 6.250 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~1330~~	4.83	12/3 clm	~~50~~	~~5,000~~	~~23.12~~	2183	6.36	25.4	4.12	27.6	
1335	4.83	12/3 clm	50	5.250	23.61	2210	6.37	22.6	4.30	34.3	
1340	4.83	12/3 clm	50	5.500	23.88	2252	6.37	17.7	6.71	26.0	
1345	4.83	12/3 clm	50	5.750	24.14	2280	6.37	14.3	9.20	19.7	
1350	4.83	12/3 clm	50	6.000	24.37	2309	6.37	13.4	8.94	23.5	
1355	4.83	12/3 clm	50	6.250	24.89	2343	6.37	12.5	8.75	26.6	
		sample @ 1400									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: D-11A

Well Type: • (Monitoring) • Other: _____
Well Finish: • (Stick Up) • Flush Mount
Measuring Pt: • (Top of Casing) • Other (specify): _____
Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 1140
Weather Conditions: Sunny, High of 65°F
Depth to groundwater at time of deployment: 4.44
Total well depth at time of deployment: 68'
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2¼
Deployment Method/Position of Weight:

• (Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.)
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 63 (FT)

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1530
Total # of days deployed: 1
Weather Conditions: Overcast, 60°F
Depth to groundwater at time of retrieval: 4.45 (Pre) 4.47 (Post)
Total well depth at time of retrieval: 68'
Downhole Field Parameters Upon Retrieval:
Temp: 10.56 (°C) **ORP:** -32.1 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.41 **DO:** 0.50 (mg/L) **Serial #:** 06J1598

Turb = 31.2 NTUs.

Notes/Observations:

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMILLO	ARCADIS
CHRIS TROWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

0.0 PPM Head Space

Location (Site/Facility Name) SRSNE
Well Number P-11A Date 5-13-10
Field Personnel D. Corrigan
Sampling Organization O&M, Inc
Identify MP Top of Riser

Depth to 58' / 68' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63' BTR
Purging Device; (pump type) Bladder Sample Pro # 10923
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS~~/cm mS	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	4.19	4	—	—	—	—	—	—	—	—	Initial
0910	4.22	4	10/5	—	—	—	—	—	—	—	Adjusting Flow <50
0915	4.25	4	~~100~~	1	10.01	0.32	6.29	189.3	4.82	78.0	Increased Pressure
0920	4.25	4/35PSI	100	1.5	9.96	0.32	6.40	162.4	2.75	76.7	
0925	4.29	4/35PSI	100	2.0	9.99	0.32	6.44	141.6	1.60	84.2	100 mL/min
0930	4.29	"	"	2.5	10.00	0.32	6.49	111.8	0.98	65.9	
0935	4.29	"	"	3.0	10.02	0.32	6.57	73.7	0.98	57.6	Water Table Steady @ 100/mL/min.
0940	4.30	"	"	3.5	10.01	0.32	6.60	47.8	0.99	59.8	
0945	4.30	"	"	4.0	10.04	0.32	6.63	30.7	1.08	48.9	
0950	4.30	"	"	4.5	10.09	0.32	6.70	8.8	1.28	51.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-11A Date 5-13-10
Field Personnel D. Garrigan
Sampling Organization O&M.
Identify MP Top of Riser

Depth to 58' / 68' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63'
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0955	4.32	4/35 PSI	100	5.0	10.20	0.31	6.72	-10.8	1.62	55.8	check Flow 125 mL/min
1000	4.32	"	125	5.6	10.20	0.30	6.74	-19.1	1.88	47.8	
1005	4.31	"	"	6.3	10.21	0.30	6.74	-27.3	1.90	54.6	
1010	4.31	"	"	6.9	10.21	0.29	6.74	-42.9	2.07	44.6	
1015	4.31	"	"	7.5	10.25	0.29	6.75	-48.0	2.35	43.6	
1020	4.32	"	"	8.1	10.24	0.28	6.75	-62.0	2.67	35.4	Checked Flow 175 mL/min
1025	4.31	"	175	8.9	10.29	0.28	6.76	-63.3	2.97	47.2	
1030	4.30	"	"	9.7	10.28	0.28	6.77	-79.3	3.12	36.4	
1035	4.31	"	"	10.5	10.52	0.28	6.78	-88.6	3.20	35.3	
1040	4.32	"	"	11.3	10.57	0.28	6.79	-84.2	3.34	41.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number P-11A Date 5-13-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 58' / 68' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63'
Purging Device; (pump type) Bladder
Total Volume Purged 14.4 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS~~/cm mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1045	4.31	4 cycles /350	175	12.0	10.47	0.27	6.77	-98.2	3.39	40.4	
1050	4.31	"	"	12.8	10.40	0.27	6.75	-107.2	3.52	36.5	
1055	4.32	"	"	~~13.2~~ 13.6	10.40	0.27	6.76	-106.1	3.53	35.3	
1100	4.31	"	"	14.4	10.41	0.27	6.76	-107.6	3.59	33.3	Collect Sample.

Stabilization Criteria 3% 3% ±0.1 ± 10 mv 10% 10%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SPSNE

Location: SOUTHINGTON, CT

Well ID: P-11A

Well Type: • Monitoring • Other: _____

Well Finish: • Stick Up • Flush Mount

Measuring Pt: • Top of Casing • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10' (58'-68')

Well Casing: Diameter: 2" Material: PVC

Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 14:10

Weather Conditions: Sunny

Depth to groundwater at time of deployment: 4.19

Total well depth at time of deployment: 68

Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"

Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 63'

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 1200

Total # of days deployed: 3

Weather Conditions: Sunny, 72°

Depth to groundwater at time of retrieval: (P.e) 4.55 4.55 (Post-retrieval)

Total well depth at time of retrieval: 68'

Downhole Field Parameters Upon Retrieval:

Temp: 10.61 (°C) **ORP:** -60.9 (mV) **Water quality meter:** YSI 650

pH: 6.53 **DO:** 1.48 (mg/L) **Serial #:** 07A1480 AC

Notes/Observations: TURB = 51.10

Water was light green color.

Field Sampling Technician: Name(s) and Company

Name	Company
SD Cimilluca	ARCADIS
Chris Trowbridge	"

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-11B Date 5-17-10
Field Personnel D. Garsigan
Sampling Organization ORM
Identify MP Top of Riser

Depth to 9' / 14' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5' BMP
Purging Device; (pump type) Bladder Sample Pro ID Pump
Total Volume Purged 5.5 L 9445

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1535	6.01	4 cpm / SPST	<50	<1	Cell	Filling					Initial
1540	6.05	"	125	<1	"	"				50.8	Checked Flow Not Through Cell 125 mL/min
1545	6.05	"	125	1.25	13.04	456	6.70	23.8	1.27	Change Batteries	
1550	6.06	"	125	1.85	13.25	458	6.73	7.8	0.96	42.9	
1555	6.06	"	125	2.50	11.83	451	6.73	6.3	1.05	46.4	Check Flow Through Cell 100 mL/min
1600	6.04	"	100	3.00	11.46	447	6.74	-3.1	0.83	44.5	
1605	6.04	"	"	3.50	11.31	445	6.75	-6.6	0.82	33.7	
1610	6.05	"	"	4.00	11.26	445	6.79	-10.1	0.79	30.4	
1615	6.06	"	"	4.50	11.10	445	6.80	-13.2	0.65	26.5	Checked Flow Through Cell 100 mL/min
1620	6.06	"	"	5.00	11.16	445	6.82	-16.5	0.55	21.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-11B Date 5-17-10
Field Personnel D. Garrigan
Sampling Organization G&M
Identify MP Top of Riser

Depth to 9' / 14' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 11.5'
Purging Device; (pump type) Bladder
Total Volume Purged 8.5 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1625	6.04	4 GPM / SPSI	100	5.50	11.26	444	6.84	-18.0	0.52	16.9	
1630	6.06	"	"	6.00	11.30	445	6.85	-19.0	0.54	16.4	
1635	6.06	"	"	6.50	10.77	445	6.85	-20.0	0.53	14.7	
1640	6.05	"	"	7.00	11.04	444	6.86	-21.3	0.50	11.8	
1645	6.07	"	"	7.50	10.87	446	6.85	-22.4	0.50	11.2	
1650	6.06	"	"	8.00	10.95	445	6.87	-23.5	0.46	12.6	
1655	6.06	"	"	8.50	11.00	447	6.89	-25.4	0.46	10.3	
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-12 Date 05-25-2010
Field Personnel J. Legoudes
Sampling Organization O+M, Demaximis
Identify MP T.O.R

Depth to 9 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5
Purging Device; (pump type) Bladder ID#15751
Total Volume Purged 3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[C]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
14:10	6.47	12/3	300	1.5							Begin Purge
14:15	6.77	12/3	300	3	13.39	388	5.82	89.1	1.23	3527	
14:20	6.70	11	300	4.5	13.40	388	5.83	106.9	1.05	1784	
14:25	6.72	11	11	6	13.14	386	5.95	113.5	1.02	874	
14:30	6.72	11	11	7.5	12.87	384	5.93	124.0	0.97	225	
14:35	6.72	11	11	9	13.05	383	6.02	125.8	0.93	198	
14:40	6.71	11	11	10.5	12.66	383	6.04	130.3	0.96	129	
14:45	6.75	11	11	12	12.59	383	6.01	136.5	0.88	115	
14:50	6.75	11	11	13.5	12.69	382	6.05	138.0	0.87	114	
14:55	6.65	11	11	15	13.59	380	6.10	138.7	0.87	128	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-12 Date 05-25-2010
Field Personnel J. Lagoudes
Sampling Organization O+M, Demetimis
Identify MP T.O.R

Depth to 9 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5
Purging Device; (pump type) Bladder ID# 15751
Total Volume Purged 31L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
15:00	6.67	12/3	250	16.25	13.65	380	6.11	141.2	0.88	108.7	
15:05	6.67	"	"	17.50	13.51	380	6.08	144.8	0.88	108.7	
15:10	6.73	"	"	18.75	13.13	380	6.06	148.8	0.94	108.6	
15:15	6.74	"	"	20	12.96	380	6.03	153.1	1.03	95	
15:20	6.74	"	300	21.5	13.18	378	6.02	156.9	1.01	115	
15:25	6.75	"	"	23	13.31	377	6.07	157.7	0.94	97	
15:30	6.75	"	"	24.5	13.27	377	6.07	160.4	0.91	95.7	
15:35	6.65	13/2	200	25.5	13.82	375	6.08	162.5	0.85	92.6	Lowered purge to aid in lowering turbitity.
15:40	6.65	"	"	26.5	14.47	375	6.13	162.4	0.91	92.6	
15:45	6.58	"	150	27.25	15.03	375	6.14	163.9	0.90	89.7	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number P-12 Date 05-24-2010
Field Personnel J Layoudes
Sampling Organization O+M, Demaximis
Identify MP T.O.R

Depth to 9 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.5
Purging Device; (pump type) Bladder Pump ID# 15751.
Total Volume Purged 31L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
15:50	6.60	13/2	150	28	15.89	375	6.19	163.9	0.92	114	
15:55	6.60	"	"	28.75	15.88	375	6.20	165.3	0.97	108.8	
16:00	6.61	"	"	29.50	15.76	377	6.19	167.1	0.96	117	
16:05	6.61	"	"	30.25	15.64	376	6.19	168.8	0.91	117	
16:10	6.61	"	"	31	15.75	376	6.19	170.2	0.90	116	
16:15					sample time						sample time.
											Finished sampling 16:30
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: P-13

Well Type: (• Monitoring) • Other: _____
Well Finish: (• Stick Up) • Flush Mount
Measuring Pt: (• Top of Casing) • Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** 10'
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 1015
Weather Conditions: Sunny, High of 65°F
Depth to groundwater at time of deployment: 9.99
Total well depth at time of deployment: (EC) 14.9 17.00'
Dimensions of HydraSleeve™: Length (in.) ~~24"~~ 36" Diameter (in.) 2"

Deployment Method/Position of Weight:

(• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.)

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 13'

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1346
Total # of days deployed: 1
Weather Conditions: P/C, 63°
Depth to groundwater at time of retrieval: 9.99 (Pre) 10.01 (Post)
Total well depth at time of retrieval: 17.00
Downhole Field Parameters Upon Retrieval:
Temp: 8.41 (°C) **ORP:** 50.9 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.53 **DO:** 8.31 (mg/L) **Serial #:** 06J1598

Notes/Observations:

- Insufficient recovery to collect all 3 VOA, 1-4 Diprave, only collected 80 ml total.
- " " " " Turbidity.

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMILLUCA	ARCADIS
~~ED DIANE CHAMBAGNE~~	
CHRIS TROWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-13 Date 5/12/10
Field Personnel Chris Trowbridge
Sampling Organization Arcadis
Identify MP Top of Casing (Initial DTW: 9.99)

Depth to 6.9 / 16.9 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11.9
Purging Device; (pump type) Bladder
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1705	10.16	13/2 dm	125	0	8.65	0.256	7.62	74.8	8.87	35.8	D.O. was calibrated to 102.1% prior to start.
1710	10.16	13/2 dm	125	0.625	8.61	0.255	7.62	75.6	8.34	28.6	
1715	10.16	13/2 dm	125	1.25	8.59	0.253	7.59	76.7	8.14	18.7	
1720	10.16	13/2 dm	125	1.875	8.59	0.249	7.51	78.1	7.98	12.6	
1725	10.16	13/2 dm	125	2.5	8.57	0.227	7.29	82.8	8.15	7.78	
1730	10.16	13/2 dm	125	3.125	8.55	0.203	6.99	88.2	8.44	3.45	
1735	10.16	13/2 dm	125	3.75	8.57	0.199	6.92	91.9	8.54	9.12	
1740	10.16	13/2 dm	125	4.375	8.57	0.198	6.89	93.1	8.57	2.77	
1745	10.16	13/2 dm	125	5	8.64	0.194	6.83	97.2	8.64	2.14	
1750	10.16	13/2 dm	125	5.625	8.73	0.187	6.77	100.2	8.69	1.96	D.O. elevated
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

Sampled @ 1755

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: 525NE, Southington, CT
Location: P-13
Well ID:

Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):

Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/13/10 Time: 10:30
Weather Conditions: Sunny, high of 67°
Depth to groundwater at time of deployment: 10.04'
Total well depth at time of deployment: 17.30
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 13'

Retrieval

Date and Time of Retrieval: Date: 5/14/10 Time: 11:00
Total # of days deployed: 1
Weather Conditions: overcast, 61°
Depth to groundwater at time of retrieval: (Pre) 10' 10' (Post retrieval)
Total well depth at time of retrieval: 17.30
Downhole Field Parameters Upon Retrieval:
Temp: 8.93 (°C) **ORP:** 23.1 (mV) **Water quality meter:** # 06J1598AE YSI 650
pH: 7.67 **DO:** 10.98 (mg/L) **Serial #:**

Notes/Observations: TURB – insufficient recovery to collect reading
ONLY collected 2 VOC VOAs, 2 Dioxane, 75ml of both metals, & 75ml of MNA Parameters.

Field Sampling Technician: Name(s) and Company

Name	Company
EJ Cimilluca	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P 101A Date 5/17/10
Field Personnel Pete Bula
Sampling Organization O&M Inc
Identify MP

Depth to 66.0 / 96.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 81.0
Purging Device; (pump type) Micropurge Hedel
Total Volume Purged 19L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1500	1.24	4	50	100	16.61	603	7.54	-92.5	29.41	86.6	set rate fill cell
1505	1.26	4	100	600	16.01	558	7.44	-91.6	2.31	71.7	
1510	1.26	4	100	1100	15.01	537	7.41	-112.0	~~2.77~~	18.6	
1515	1.26	4	100	1600	15.08	526	7.37	-118.1	3.41	64.7	55.9
1520	1.24	4	150	2350	14.57	522	7.39	-123.4	3.86	53.5	
1525	1.26	4	125	2975	13.63	520	7.40	-132.9	4.33	54.9	
1530	1.26	4	150	3625	13.07	519	7.40	-141.3	4.30	56.9	
1535	1.26	4	150	4475	13.04	515	7.41	-133.1	4.62	59.9	
1540	1.26	4	150	5225	12.91	514	7.42	-131.0	4.78	61.8	
1545	1.24	4	150	5975	13.36	513	7.41	-123.1	4.72	70.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#2 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P101R Date 5/17/10
Field Personnel PBurton
Sampling Organization O&M Inc
Identify MP

Depth to 60.0/96.0 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 81.0
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 19L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1550	1.26	4	150	6725	12.96	515	7.43	-131.0	475	66.9	
1555	1.26	4	150	7475	13.10	509	7.44	-125.7	4.69	61.7	
1600	1.26/32	4	150	8225	12.90	511	7.45	-131.8	4.73	63.1	
1605	1.32	4	150	8975	12.56	506	7.45	-133.0	4.74	55.9	sup sample @ 1610
1610	1.32	4	150	9725	12.89	504	7.47	-123.0	4.69	49.6	
1615	1.32	4	200	~~9725~~ 10525	12.49	508	7.47	-123.1	4.78	56.0	sup sample taken 1615
1620	1.26	4	~~200~~ 125	10350	12.55	496	7.46	-123.5	4.75	48.8	rate of volume drop
1625	1.26	4	125	10975	12.94	493	7.46	-112.8	4.71	47.1	
1630	1.29	4	125	11700	11.96	494	7.46	-126.3	4.78	44.1	Rate ↑ 250 ml/min
1635	1.31	4	250	12750	12.04	492	7.46	-133.1	4.74	38.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

3 of 3

Pump # 1923

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number P101A Date 5/17/10
Field Personnel P Burton
Sampling Organization OSM
Identify MP

Depth to 66 / 96 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 81
Purging Device; (pump type) microPurge bladder
Total Volume Purged 19L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1640	1.31	4	250	14000	11.90	489	7.46	-130.6	5.08	35.0	
1645	1.31	4	256	15250	11.94	488	7.46	-129.5	4.92	34.8	
1650	1.31	4	250	16500	11.88	485	7.47	-128.8	4.92	35.3	
1655	1.31	4	256	17750	11.86	481	7.46	-125.4	4.87	34.8	
1700	1.31	4	250	19000	12.01	176	7.46	-121.4	4.85	33.6	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

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Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: P-101B

Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):

Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 10'
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 1245
Weather Conditions: Sunny, high of 65° F
Depth to groundwater at time of deployment: 1.20'
Total well depth at time of deployment: 44'
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 39'

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1615
Total # of days deployed: 1
Weather Conditions: overcast, 61°
Depth to groundwater at time of retrieval: 1.20 (Pre-retrieval) 1.19 (Post)
Total well depth at time of retrieval: 44'
Downhole Field Parameters Upon Retrieval:
Temp: 11.07 (°C) **ORP:** -58.1 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.62 **DO:** 1.17 (mg/L) **Serial #:** 06J1598

Notes/Observations: NTU = 14.8

Field Sampling Technician: Name(s) and Company

Name	Company
ED Cimilluca	ARCADIS
CHRIS TREMBLAY	ARCADIS

1/2

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-101 B Date 05/13/2010
Field Personnel Anton Plaines, John Legoudes
Sampling Organization O+M, Remaxims
Identify MP Top of Riser

Depth to 34 / 44 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 39
Purging Device; (pump type) Bladder Pump #9445
Total Volume Purged 14.8 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1030	1.00	12.5 2.5									Begin Purging
1035	1.00										
1040	1.30	13.0 2.0	400mL		10.64	460	6.53	-23.3	.86	15	
1045	1.00	"	"		10.68	463	6.72	-58.4	.47	7.9	
1050	1.00	"	"		10.68	462	6.85	-74.6	.42	9.8	
1055	1.00	"	"		10.71	462	6.92	-81.7	.44	5.2	
1100	1.00				10.71	463	6.97	-87.9	.33	9.6	
1105	1.00				10.71	464	7.01	-92.3	.31	5.5	
1110	1.00			14L	10.85	463	7.06	-97.2	.32	4.3	
1115	1.02				10.75	464	7.09	-104.3	.25	4.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-101B Date 05/13/2010
Field Personnel Anton Pidney, John Lagoudes
Sampling Organization O'M, demaximis
Identify MP TOR

Depth to 34 / 44 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 34
Purging Device; (pump type) Bladder ID# 9445
Total Volume Purged 14.5 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1120	1.03	13/2	400mL	14.8	11.20	462	7.14	-102.5	.33	3.3	
~~1125~~											
11:25			Sample time								
			Ended sampling at			12:25					
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: ~~EC MW~~ P-101B

Well Type: (•) Monitoring ( ) Other: _____
Well Finish: (•) Stick Up ( ) Flush Mount
Measuring Pt: (•) Top of Casing ( ) Other (specify): _____

Total Depth As Constructed (ftbgs): _____ **Screened Interval (ftbgs):** _____
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 13:45
Weather Conditions: Sunny, 67°
Depth to groundwater at time of deployment: 1.02 (ft)
Total well depth at time of deployment: ~~1.02~~
Dimensions of HydraSleeve™: Length (in.) 36 Diameter (in.) 2
Deployment Method/Position of Weight:

(•) Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
( ) Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 39'

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: 1300
Total # of days deployed: 3
Weather Conditions: Sunny, 78°
Depth to groundwater at time of retrieval: (1.32') Pre-retrieval / 1.31' (Post retrieval)
Total well depth at time of retrieval:
Downhole Field Parameters Upon Retrieval:
Temp: 9.79 (°C) **ORP:** -79.9 (mV) **Water quality meter:** YSI 650 MDS
pH: Cox 84 **DO:** 6.18 (mg/L) **Serial #:** 07A1480AC

Notes/Observations: TURB - 7.36

Field Sampling Technician: Name(s) and Company

Name	Company
SD CIMILLUCA	ARCADIS
CHRIS TRAWBRIDGE	ARCADIS

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SRSNE
Location: SOUTHINGTON, CT
Well ID: P-101C

Well Type: • Monitoring • Other:
Well Finish: • Stick Up • Flush Mount
Measuring Pt: • Top of Casing • Other (specify):
Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):** 10
Well Casing: Diameter: 2" Material: PVC
Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/10/10 Time: 12:50
Weather Conditions: Sunny, high of 65°
Depth to groundwater at time of deployment: 3.65
Total well depth at time of deployment: 16.17
Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2"
Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.
• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 12'

Retrieval

Date and Time of Retrieval: Date: 5/11/10 Time: 1630
Total # of days deployed: 1
Weather Conditions: overcast, 61°
Depth to groundwater at time of retrieval: 3.99 (pre-retrieval) 3.97 (post)
Total well depth at time of retrieval: 16.17
Downhole Field Parameters Upon Retrieval:
Temp: 9.36 (°C) **ORP:** -61.0 (mV) **Water quality meter:** YSI 650 MDS
pH: 7.75 **DO:** 1.73 (mg/L) **Serial #:** 06J1598

Notes/Observations: NTU = 4.16

Field Sampling Technician: Name(s) and Company

Name	Company
ED CIMILLUCA	ARCADIS
CHRIS TROWBRIDGE	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-101C Date 5-13-2010
Field Personnel A. Plaines, J. Lagoudes
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 3 / 13 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 8
Purging Device; (pump type) Bladder ID# 11269
Total Volume Purged

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1030	3.57	14/1									Begin Purging
1045	3.85	13.5/1.5	40		12.44	347	7.18	197.1	13.79	38	
1055	3.93	13.5/1.5	60		12.03	366	7.32	182.2	13.97	30	
1100	3.99			1.0	11.85	374	7.35	175.0	14.01	32	
1105	4.00			1.7	11.82	376	7.39	165.4	14.11	33	
1110	4.01			2.15	11.80	379	7.39	153.0	14.28	36	
1115	4.01		50	2.6	11.79	379	7.41	139.5	14.33	50	
1120	4.01			3.1	11.88	380	7.42	126.7	14.50	45	
1125	4.01			3.6	11.88	380	7.43	121.3	14.47	38	
1130	4.01			4.1	11.95	379	7.45	111.2	14.53	45	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-101C Date 5-13-10
Field Personnel A. Plaines, J. Cagoulet
Sampling Organization O2M, Inc.
Identify MP

Depth to 3 / 13 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 8
Purging Device; (pump type) Bladder ID # 11269
Total Volume Purged

2/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1135	4.01	13.5/1.5		4.8	11.95	378	7.46	104.7	14.55	40	
1140	4.01			5.3	12.00	377	7.46	98.0	14.63	45	
1145	4.01			5.8	12.03	376	7.47	95.8	14.64	45	
1150	4.01			6.3	12.04	375	7.47	91.2	14.66	40	
1155	SAMPLE	TIME									
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Appendix B-2
HydraSleeve™ Field Form

Site: SPSNG

Location: SOUTHINGTON, CT

Well ID: P-101C

Well Type: • Monitoring • Other:

Well Finish: • Stick Up • Flush Mount

Measuring Pt: • Top of Casing • Other (specify):

Total Depth As Constructed (ftbgs): **Screened Interval (ftbgs):**

Well Casing: Diameter: 2" Material: PVC

Well Screen: Diameter: 2"

Deployment

Date and Time of Deployment: Date: 5/14/10 Time: 1350

Weather Conditions: Sunny 60°

Depth to groundwater at time of deployment: 3.11

Total well depth at time of deployment: 16.17

Dimensions of HydraSleeve™: Length (in.) 36" Diameter (in.) 2

Deployment Method/Position of Weight:

• Top-Down: Weight attached to bottom of HydraSleeve™. Weight suspended in well.

• Top-Down: Weight attached to top of HydraSleeve™. Weight suspended in well.

Deployment Depth (Top of HydraSleeve™) (ftbgs): 12

Retrieval

Date and Time of Retrieval: Date: 5/17/10 Time: ~~1350~~ 1311

Total # of days deployed: 2

Weather Conditions: Sunny, 75°

Depth to groundwater at time of retrieval: 3.16

Total well depth at time of retrieval: 16.17

Downhole Field Parameters Upon Retrieval:

Temp: 11.21 (°C) **ORP:** -99.2 (mV) **Water quality meter:** YSI 650 MDS

pH: 6.36 **DO:** 8.35 (mg/L) **Serial #:** 07A14 80AC

Notes/Observations: TURB = 35.9

Field Sampling Technician: Name(s) and Company

Name	Company
E. Cimmerman	ARCADIS

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-102A Date 5-17-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 81 / 91 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 86'
Purging Device; (pump type) Bladder ID 9198
Total Volume Purged 9

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	1.41	14/13.5/2.5	20		19.88	688	7.56	281.2	6.42	16	Begin Purging
0920	1.66	~~13~~/2	40		19.75	692	7.61	269.1	4.36	130	increasing flow
0930	2.64	12.5/2.5	70		18.81	729	7.76	270.0	3.83	500	water became turbid
0940	3.34		~80	~1	17.20	796	8.20	242.6	2.81	800	can see siltiness
0950	4.93			~2	17.48	825	8.42	188.0	1.99	1000	
1000	5.66	13/2	50	3	18.27	825	8.43	181.7	1.89	900	reducing flow
1010	6.08			~4	19.91	825	8.43	181.6	1.96	700	
1020	6.37			~4.6	21.63	825	8.42	180.1	2.08	600	
1030	6.62			5	22.75	827	8.40	182.1	2.26	650	
1040	6.97			~5.7	20.28	828	8.37	188.5	2.30	500	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number P-102A Date 5-17-10
Field Personnel A. Plaines
Sampling Organization O & M, Inc.
Identify MP TOR

Depth to 81 / 91 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 86
Purging Device; (pump type) Bladder ID 9198
Total Volume Purged 9

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1050	7.34	13/2	50	~6.2	20.33	822	8.34	194.8	2.23	450	
1100	7.65			~7	20.41	819	8.33	199.4	2.30	450	
1110	7.96			~7.6	19.98	821	8.35	200.9	2.30	390	
1120	8.27			~8.4	20.10	817	8.33	204.6	2.34	340	
1130	8.49			9	20.75	816	8.30	209.1	2.33	310	
1135	SAMPLE TIME			P-102A-05172010							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-102B Date 5-17-10
Field Personnel A. Plaines
Sampling Organization O2M, Inc
Identify MP TOR

Depth to 29 / 39 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 34
Purging Device; (pump type) Bladder ID 08087
Total Volume Purged

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1442	1.66	14/1 ~~15/NP~~							3.80		Begin Purging
1500	2.37		25		17.81	319	7.69	289.4	~~7.69~~	Errors 3	turbid, silty water increasing flow
1510	2.51	13.5/1.5	100		16.47	317	7.77	289.7	2.98	Errs →	But reads stbls. OK 10 ⇒ 9.8 NTU
1520	3.06		75	2	13.99	316	7.74	292.7	3.08	Err. 3	Flow ↑ No change to pump settings
1530	2.83				14.76	314	7.78	294.2	3.38	450	
1540	2.97				13.37	313	7.75	296.8	3.64	450	
1550	3.34			~6	13.43	313	7.78	296.9	3.70	360	
1600	3.16			~7	13.67	313	7.79	295.8	3.84	190	
1610	3.28			~8	12.68	312	7.79	297.3	4.03	180	
1620	3.33			8.8	12:64	314	7.83	295.9	4.15	150	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-102B Date 5-17-10
Field Personnel A. Plaines
Sampling Organization O & M, Inc
Identify MP TOR

Depth to 29 / 39 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 34
Purging Device; (pump type) Bladder ID 05087
Total Volume Purged

2/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
											Flow ↑
1630	3.51	13.5/1.5	~425	10	12.40	314	7.83	296.8	4.32	100	No Change in pump settings
1640	3.36			12	12.63	314	7.84	295.2	4.47	65	
1645	3.42			13	12.44	314	7.84	295.1	4.57	90	
1650	3.43			~13.7	12.38	314	7.84	296.0	4.60	70	
1655	3.37			~14.2	12.44	314	7.85	294.8	4.63	55	
1700	SAMPLE TIME			P-102B-05172010			+ MS/MSD				
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-102C Date 5-18-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 3 / 13 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 8
Purging Device; (pump type) Bladder ID 11269
Total Volume Purged 2

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[3]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1425	3.69	14/1									Begin Purging
1435	4.05		100		12.40	350	6.27	230.4	6.70	70	Pump at lowest setting & v. low pressure
1445	4.03				12.49	370	6.26	216.4	5.30	35	
1450	3.97				12.29	375	6.26	209.3	4.95	35	
1455	4.00			~0.5	12.06	382	6.25	202.1	4.45	27	
1500	3.98				11.79	387	6.25	192.3	4.06	20	
1505	3.94				11.70	389	6.26	188.6	3.83	16	
1510	3.96			1	11.65	392	6.25	180.5	3.64	15	
1515	3.96				11.56	393	6.26	176.2	3.47	9.9	
1520	4.00				11.49	395	6.25	168.6	3.34	11	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P-102C Date 5-18-10
Field Personnel A. Plaines
Sampling Organization O & M, Inc.
Identify MP TOR

Depth to 3 / 13 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 8
Purging Device; (pump type) Bladder SD 11269
Total Volume Purged 2

2/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1525	4.00	14/1	100		11.49	396	6.26	164.2	3.59	7.8	
1530	3.92				11.55	396	6.26	161.5	3.82	8.7	
1535	3.95			2	11.58	397	6.26	159.0	3.63	6.7	
1550	SAMPLE TIME			P-102C-05182010							
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZO-21 Date 5-11-10
Field Personnel M. Grubb, J. Lagoudes, A. Plaines
Sampling Organization O & M / de maximis
Identify MP TOC mark

Depth to Top / _____ of screen 75'-85'
(below MP) top bottom
Pump Intake at (ft. below MP) 80'
Purging Device; (pump type) bladder ID = 10216
Total Volume Purged 18 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0912 0844 TAP	6.76	12.0 3.0 cm/s	100								Begin Purging
0920	6.76	↓	100		9.64	241	7.18	145.8	9.57	5.6	
0925	6.80		100		9.69	241	7.00	143.4	9.68	5.7	
0930	6.80		100	2 L	9.59	242	6.93	144.6	9.63	2.1	
0935	6.80		100	2.5 L	9.90	243	6.86	145.6	9.49	18.0	
0940	6.87	11.5 3.5 cm/s	150	3 L	9.87	242	6.82	147.5	9.46	4.7	
0945	6.83	10.0 3.0 cm/s	300	4.5	9.86	242	6.69	151.6	9.36	3.5	
0950	6.83	↓	300	6	10.12	244	6.66	154.2	9.41	2.9	
0955	6.80	↓	300	7.5	10.16	244	6.69	155.8	9.37	2.7	
~~1000~~	PREPARED AND STARTED SAMPLING @ 10:15										FINISHED PURGING + SAMPLING @ 10:50
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	18 LITERS TOTAL PURGED INCLUDING DURING SAMPLING

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZO-2M Date 5/11/10
Field Personnel M. GRUBB, J LAGOUDES, A. PLAINES
Sampling Organization O+M / DEMAXIMIS
Identify MP TOC MARK

Depth to 46 / 56 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51
Purging Device; (pump type) BLADDER ID = 15751
Total Volume Purged ~~24~~ 24 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1235	7.33	12.3 CPM 4	100								BEGIN PURGE
1245	7.37	12.5 CPM 4	100		12.46	.211	7.85	91.4	9.90	18	
1250	7.37	" "	100	1.5	11.38	.198	7.85	97.8	9.68	17	
1255	7.38	10.5 4.8 CPM 4	250	2.5	10.69	.194	7.85	101.8	9.58	23	
1300	7.40	9.5 5.5 CPM 4	275	4	10.49	.192	7.86	106.1	9.47	21	
1305	7.40	9.0 6.0 CPM 4	350	6	10.49	.192	7.86	110.7	9.40	12	
1310	7.40	7.5 7.5 CPM 4	400	7	10.53	.192	7.85	115.1	9.31	9.3	
1315	7.40	" "	400	8 L	10.49	.193	7.86	118.2	9.29	7.4	
1320	7.40	" "	400	11 L	10.48	.192	7.86	120.7	9.24	6.6	
1325	7.40	" "	400	13 L	10.48	.192	7.86	122.9	9.25	6.4	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name)_____
Well Number PZO-2M Date 5/11/10
Field Personnel_____
Sampling Organization_____
Identify MP_____

Depth to _____/_____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP)_____
Purging Device; (pump type)_____
Total Volume Purged _____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1330	7.40	7.5 7.5 EOM4	400	15 L	10.49	.192	7.86	125.3	9.22	5.6	
1335	7.40	" "	400	18 L	10.47	.192	7.86	128.4	9.21	5.8	
1340	7.40	" "	400	20 L	10.48	.192	7.85	130.6	9.20	4.4	
1345	7.40	" "	400	22 L	10.44	.192	7.85	132.7	9.18	4.3	
1350	7.40	" "	400	24 L	10.46	.192	7.85	134.3	9.17	3.4	
-	SAMPLE TIME : 13:55										
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZO-3D Date 5-14-10
Field Personnel D. Georgian
Sampling Organization GSM
Identify MP Top of Casing

Depth to 88' / 98' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 93'
Purging Device; (pump type) Bladder Sample Pro #ID
Total Volume Purged 7.6 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	4.75	4 Cycles 110 Psi	—	—	—	—	—	—	—	—	Initial
0905	4.85	"	50mL	<1	—	—	—	—	—	—	Cell Filling
0910	4.85	"	"	.75	10.90	302	8.13	307	8.28	152	
0915	4.86	"	"	1.0	10.92	279	8.05	325	7.89	308	Water Cloudy w/ Iron or Clay
0920	4.86	"	"	1.25	11.43	269	8.02	352	7.38	739	
0925	4.87	"	"	1.50	11.50	268	8.03	358	7.36	~~772~~ 972	
0930	4.87	"	"	1.75	11.41	267	8.04	372	7.37	1100	
0935	4.88	"	"	2.00	11.22	266	8.05	380	7.31	1140	
0940	4.89	"	"	2.25	10.56	265	8.05	387	7.38	1043	
0945	4.87	"	"	2.50	10.84	262	8.05	395	7.39	965	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZ0-3D Date 5-14-10
Field Personnel D. Garrigan
Sampling Organization G&M
Identify MP Top of Riser

Depth to 88' / 98' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 93'
Purging Device; (pump type) Bladder
Total Volume Purged 7.6 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0950	4.89	4 cpm / 110PSI	50 ml	2.75	10.94	262	8.06	400	7.43	831	Checked Flow 50 mL/min
0955	4.89	"	"	3.00	10.59	261	8.06	407	7.39	804	
1000	4.89	"	"	3.25	10.83	259	8.07	411	7.38	983	
1005	4.89	"	"	3.50	10.80	259	8.09	413	7.47	1132	
1010	4.88	"	"	3.75	10.87	257	8.09	417	7.44	1172	
1015	4.89	"	"	4.00	10.70	256	8.10	420	7.46	*	Error 1 - Low Battery
1020	4.90	"	"	4.25	10.43	257	8.11	421	~~7.5~~ 7.51	*	No NTU Battery coming
1025	4.89	"	"	4.50	10.30	256	8.12	424	7.50	*	
1030	4.89	"	"	4.75	10.32	256	8.12	428	7.51	*	Checked Flow ~75 ml/min
1035	4.89	"	"	5.00	10.33	255	8.12	431	7.50	805	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* - No change in appearance of water, turbid.

Re-cal 0 NTU = 0.05 1 NTU = 0.42 10 NTU = 9.11
Lamotte Turbidity Meter after Battery change

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P20-3D Date 5-14-10
Field Personnel D. Corrigan
Sampling Organization GSM
Identify MP Top of Riser

Depth to 88' / 98' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 93'
Purging Device; (pump type) Bladder
Total Volume Purged 7.6 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	4.90	4 cpm / 110psi	75 ml	5.37	10.38	256	8.12	433	7.54	693	
1045	4.89	"	"	5.74	10.52	256	8.11	437	7.48	660	
1050	4.90	"	"	6.11	10.78	254	8.11	436	7.58	652	
1055	4.90	"	"	6.49	10.72	254	8.10	441	7.60	237	
1100	4.91	"	"	6.86	10.10	253	8.09	444	7.56	262	
1105	4.89	"	"	7.23	11.11	254	8.09	440	7.65	257	
1110	4.89	"	"	7.60	11.07	255	8.09	443	7.70	265	Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS NE
Well Number P70-3M Date 5/13/10
Field Personnel M. GRUBB
Sampling Organization O+M, INC
Identify MP TOP OF RISER

Depth to 46 / 56 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51
Purging Device; (pump type) BLADDER ID 10216
Total Volume Purged 5.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~9:50~~ 9:49	4.65	11.5 3.5 CPM 4									
9:55	5.5	11.5 3.5 CPM 4	200								FLOW CELL FULL
1000	6.5	~~11.5~~ 13 3.2 CPM 4	100								
1005	6.7	13.5 1.8 CPM 4	50		10.01	313	7.46	139	10.78	55.9	
1010	6.66	" "	50		10.09	313	7.56	139.7	10.84	58.9	
1015	6.65	" "	50		10.26	313	7.68	135.7	10.96	56.5	
~~1020~~		" "	50							→	PAUSED SAMPLING PURGE FLOW CELL LEAKING
1040	5.76										RESTARTED PURGE REPLACED ORINGS
1050	—									→	FLOW CELL STILL LEAKING
11:10	5.75	13.5 1.5 CPM 4	50								RESTARTED PURGE TIGHTENED CLAMPS ON FLOWCELL
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/4

Location (Site/Facility Name) SRSNE
Well Number P20-3M Date 5/13/10
Field Personnel M. GRUBB
Sampling Organization G+M, INC
Identify MP TOP OF RESER MARK

Depth to 46 / 56 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51
Purging Device; (pump type) BLADDER ID = 1021G
Total Volume Purged 5.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	5.75	13.5 1.5 CPM 4	50								FLOW CELL STILL LEAKING, ADJUSTED CLAMPS
			" "								↓ PAUSED PURGE
1200			" "								STILL LEAKING
1225	6.23		" "								BACK @ WELL W/ DAN CARRIGAN'S
1230	6.23	13.5 1.5 CPM 4	" "								FLOW CELL-RESTARTED PURGE
* 1235	6.35	13.5 1.5 CPM 4	" "		12.36	305	7.80	143.5	7.80	37.5	FLOW CELL FULL NOT LEAKING * START OF SAMPLE PARAMETERS
1240	6.37	" "	" "		12.64	304	7.86	147	7.86	32.3	
1245	6.41	" "	" "		12.92	304	7.91	~~304~~ 147.8	10.40	32.9	
1250	6.40	" "	" "		13.01	304	7.94	150	10.35	41.4	
1255	6.38	" "	" "		13.23	303	7.96	150.4	10.38	35.9	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

3/4

Location (Site/Facility Name) SRSNE
Well Number PZO-3M Date 5/13/10
Field Personnel M. GRUBB
Sampling Organization O+M, SN C
Identify MP TOP OF RISER MARK

Depth to 46 / 56 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51
Purging Device; (pump type) BLADDER ID=10216
Total Volume Purged 5.75 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1300	6.37	13.5 1.5 GPM 4	50	2	13.42	303	7.98	150.5	10.32	29.9	
1305	6.38	" "	" "	2.5	13.46	303	8.00	152.4	10.33	35.4	
1310	6.38	" "	" "		13.55	303	8.01	153.9	10.32	28.6	
1315	6.37	" "	" "	3	13.71	303	8.02	155	10.21	28.6	
1320	6.38	" "	" "		13.77	303	8.03	156.5	10.17	36.7	
1320	6.38	" "	" "		13.90	302	8.04	159.1	10.14	40.1	
1325	6.38	" "	" "		13.97	302	8.05	158.7	10.20	26.3	
1330	6.38	" "	" "		14.03	302	8.05	159.2	10.18	26.0	
1335	6.38	" "	" "	4	14.06	302	8.06	158.7	10.20	24.4	
1340	6.38	" "	" "		13.97	302	8.06	160.5	10.21	23	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 4/4

Location (Site/Facility Name) SRSNE
Well Number PZO-3M Date 5/13/10
Field Personnel M. GRUBB
Sampling Organization OTM, INC
Identify MP TOP OF RISER MARK

Depth to 46 / 56 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 51
Purging Device; (pump type) BLADDER ID=1021L
Total Volume Purged 5.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1345	6.37	13.5 1:3 cpm 4	50		13.76	302	8.07	161.1	10.29	22.8	
1350	6.38	" "	" "		13.78	302	8.07	162.0	10.20	25.0	
1355	6.38	" "	" "	5	13.84	302	8.07	162.4	10.17	25.8	
1400	6.37	" "	" "		13.96	302	8.07	162.8	10.08	25.4	
1405	6.37	" "	" "	5.75	14.01	302	8.07	163.9	10.06	25.3	
			SAMPLE		TIME:		14:15				
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

PID Reading 0.0 ppm

Location (Site/Facility Name) ~~SS~~ SRSNE
Well Number P20-4~~M~~D ~~R~~ Date May 11, 2010
Field Personnel D. Garrigan / P. Burton
Sampling Organization Ofm, Inc
Identify MP

Depth to 26 / 36 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 31'
Purging Device; (pump type) Sample Pro QED
Total Volume Purged

Pump Pine ID # 15808

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS~~/cm mS	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
											Start Purge
1415	6.29	4	—	—							
1420	6.29	4	150	300 ml	25.59	0.01	6.32	219.4	8.27	3.90	missed 1425 Reading
1430	6.29	4	150	3.0	10.27	0.10	6.97	31.1	9.26	4.80	
1435	6.31	4	150	~~3.75~~ 4.75	9.79	0.10	6.77	42.8	9.01	2.42	
1440	6.29	4	200	5.75	9.69	0.10	6.67	51.7	8.85	2.18	Increase Flow
1445	6.29	4	200	6.75	9.62	0.10	6.62	59.7	8.81	0.94	No Flow Increase Noted
1450	6.31	4	350	7.75	8.77	0.10	6.57	65.4	8.92	2.18	Flow Increased
1455	6.32	4	350	9.50	8.65	0.10	6.51	72.2	8.85	2.02	
1500	6.31	4	350	11.25	8.64	0.10	6.52	78.0	8.85	2.23	Collect Samples
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* See Field Notes Re: well misidentification. P20-4D & P20-4M were reversed.

Sheet 1 of 1

MS
5-12-10

Pump ID # 15751

Head Space 3.6 ppm

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZO-4M Date 5-12-10
Field Personnel D. Garrigan
Sampling Organization O&M, Inc
Identify MP Top of Casing at Riser

Depth to 26' / 36' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 31'
Purging Device; (pump type) QED Sample Pro
Total Volume Purged 13.0

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0926	6.10	4	—	—							Initial Start-up
0935	6.10	4	375	1.0	8.03	0.14	5.89	94.5	8.85	25.2	
0940	6.12	4	375	3.0	7.86	0.12	5.98	90.1	8.62	15.2	
0945	6.14	4	350	5.0	7.87	~~0.08~~ 0.12	6.06	104.5	8.55	11.0	
0950	6.13	4	350	6.5	7.97	0.11	6.10	102.2	8.48	9.71	
0955	6.14	4	350	8.75	7.79	0.11	6.17	105.4	8.54	4.76	
1000	6.14	4	350	10.75	7.77	0.11	6.19	100.0	8.52	3.62	
1005	6.14	4	400	13.0	7.79	0.11	6.22	102.9	8.50	1.61	Reading Stable. Collected Sample.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* Good Well. Makes good water

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZ0-204M Date 5-17-10
Field Personnel D. Garvigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 45.7' / 55.7' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50.7'
Purging Device; (pump type) Sample Pro Bladder # ID
Total Volume Purged 4.7L 9445

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0855	3.56	4 gpm ~~30psi~~	~50	~1	Cell Filling						Initial
0900	3.82	"	50	"	"						
0905	3.88	"	50	"	11.37	556	6.91	179	3.20	97	
0910	3.86	"	50	1.0	11.07	552	6.92	151	1.59	64	Checked Flow Through cell 50 mL/min
0915	3.85	"	"	1.25	11.05	550	6.91	126	1.12	75	
0920	3.78	"	"	1.50	11.13	550	6.95	112	0.98	51	
~~0925~~ ~~0930~~	3.81	"	"	1.75	11.36	550	6.96	94	1.03	58	Checked Flow Through Cell 50 mL/min
~~0930~~ ~~0935~~	3.84	"	"	2.00	11.33	550	6.95	76	0.96	58 ~~58~~	
0935	3.82	"	"	2.25	11.38	549	6.98	61	0.89	43	
0940	3.84	"	"	2.50	11.24	550	6.99	45	0.78	55	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNF
Well Number P20-204M Date 5-17-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 45.7' / 55.7' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 50.7'
Purging Device; (pump type) Bladder
Total Volume Purged 4.7 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0945	3.82	4 cpm / 30 ess	50	2.75	11.40	548	7.01	26.5	0.80	48	
0950	3.81	"	"	3.00	11.64	547	7.05	15.0	1.16	51	Checked Flow Through Cell 50 ml/min
0955	3.81	"	"	3.25	11.72	547	7.07	4.9	1.20	38	
1000	3.80	"	"	3.50	11.97	547	7.08	-5.7	1.09	47	
1005	3.81	"	"	3.75	11.85	548	7.09	-17.0	0.97	36	
1010	3.82	"	"	4.00	11.92	546	7.10	-27.5	0.92	36	
1015	3.81	"	"	4.25	11.95	547	7.11	-36.3	0.93	33	
1020	3.82	"	"	4.50	11.96	547	7.11	-39.2	0.90	33	
1025	3.81	"	"	4.70	11.97	546	7.11	-38.9	0.89	31	Reads Stable
											Collect Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

#1/3

Location (Site/Facility Name) SRSNE
Well Number PZR-2DR Date 05/11/2010
Field Personnel J. Lagoudes, M. Grubb, A. Plaines
Sampling Organization Quadrum / demaximis
Identify MP TOC

Depth to Top / of screen 184'-204'
(below MP) top bottom
Pump Intake at (ft. below MP) 174'
Purging Device; (pump type) bladder ID# 15728
Total Volume Purged 13 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments 3.26 gal/screen vol.
~~1200~~ 0947 ##	4.23	8.5 6.5									~~Begin Purge~~ ~~PRE PURGE~~ ##
~~1000~~	~~5.39~~										* Problems with pump
1100	8.13		200								Begin Purging Problems with * air supply
1109	8.81		100								
1113	9.18		trying to lower to 50ml								
1117	9.98				11.15	572	7.48	-6.8	4.31	220	
1125	11.01				11.37	1448	7.29	-5.4	2.17	450	
1130	11.20		50		11.86	1494	7.30	-7.4	1.93	500	
1135	11.21				12.20	1996	7.31	-9.0	1.81	400	
1140	10.97				13.09	1554	7.34	-10.5	1.92	450	change cyl gas cyl 6-700 psi start
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZR-2DR Date 5-11-10
Field Personnel
Sampling Organization
Identify MP

Depth to ____ / ____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP) ____
Purging Device; (pump type) ____
Total Volume Purged ____

2/3

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1150	11.40	8.5/6.5	50	5.5	12.29	1466	7.37	-11.4	1.70	450	
1200	12.14			6	11.71	1219	7.43	-12.6	2.09	450	
1210	12.72			6.5	11.89	1020	7.50	-13.0	1.27	330	
1220	12.18			7	13.81	985	7.54	-12.4	1.16	230	out of gas chgd. cyl. 6-700 psi
1230	12.63			7.5	12.17	822	7.60	-11.7	1.18	200	moved flow cell into shade
1240	13.33			8	11.40	710	7.61	-9.9	1.05	200	
1250	14.06			9.2	11.41	656	7.61	-8.9	0.98	120	OUT OF GAS! chgd. cyl. 1000 psi
1300	14.02			10	12.22	630	7.61	-8.3	0.95	110	No chg to flow cycles
1310	14.28		50?	11	12.06	587	7.63	-5.7	0.90	95	Flow check @ 50 ml/min, 30'?
1320	14.66			12	11.93	573	7.62	-2.6	0.87	85	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

3/3

Location (Site/Facility Name) SRSNE
Well Number PZR-2DR Date 5-11-10
Field Personnel
Sampling Organization
Identify MP

Depth to ____/____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP)
Purging Device; (pump type)
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1330	14.84	8.5/6.5	50	~~AP~~ 13	12.30	574	7.55	0.3	0.85	85	>3.36 gal
1335											SAMPLE TIME
											Chgd cyl. 700 psi to start
											Chgd cyl again 500 psi to start
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

RJ #1 of 3 ~~125~~ 25

Pump # 10923

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number PZR-2R Date 5/12/10
Field Personnel Pete Burden
Sampling Organization O&M I.C
Identify MP

Depth to 120.5 / 140.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 130.5
Purging Device; (pump type) microPurge bladder
Total Volume Purged 6.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm Tap	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
	6.14	4	50	50							Initial Reading ~~fill cell~~
0935	7.20	4	50	300	9.03	0.985	6.61	86.9	4.64	24.0	CPM 4 10.0 50
0940	7.96	4	50	550	8.92	0.968	6.81	93.0	3.20	25.3	
0945	8.48	4	50	800	8.86	0.962	6.89	96.0	2.76	43.1	
0950	9.25	4	50	1050	8.82	0.959	6.89	98.9	2.31	44.4	363
0955	9.41	4	50	1300	8.79	0.952	6.88	99.7	1.97	36.5	
1000	9.95	4	50	1550	8.74	0.943	6.89	99.5	1.77	32.6	
1005	10.35	4	50	1800	8.76	0.936	6.92	96.9	1.64	27.3	
1010	10.80	4	50	2050	8.81	0.930	6.96	97.9	1.55	24.7	
1015	11.23	4	50	2300	8.82	0.927	7.01	96.6	1.49	25.3	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number RZR-2R Date 5/12/10
Field Personnel PBudo
Sampling Organization GeoTec
Identify MP

Depth to 120.5 / 140.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 130.5
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 6.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm TDF	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1020	12.73	4	50	2550	8.84	0.926	7.04	95.4	1.44	23.5	
1025	12.03	4	50	2800	8.83	0.925	7.08	94.3	1.42	23.7	
1030	12.98	4	50	3050	8.83	0.925	7.10	93.4	1.40	22.4	
1035	1292	4	50	3300	8.81	0.925	7.12	92.5	1.37	19.9	
1040	13.37	4	50	3550	8.83	0.925	7.14	91.8	1.34	16.0	
1045	13.82	4	50	3800	8.85	0.925	7.14	91.0	1.33	15.2	
1050	14.18	4	50	4050	8.88	0.925	7.15	90.4	1.33	17.2	
1055	14.60	4	50	4300	9.00	0.924	7.16	89.8	1.32	16.2	
1100	15.00	4	50	4550	9.09	0.923	7.16	89.2	1.33	16.1	
1105	15.55	4	50	4800	9.09	0.923	7.16	88.7	1.34	15.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#3 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number PZR-27 Date 5/12/10
Field Personnel PBuzon
Sampling Organization Ctrm
Identify MP

Depth to 1205 / 1705 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 1305
Purging Device; (pump type) Micropurge bladder
Total Volume Purged 6.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm TDS	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1110	15.72	~~54~~	50	5050	9.09	0923	7.16	88.3	1.33	16.2	Change Air
1115	15.98	4	50	5300	9.10	0.923	7.16	87.9	1.34	15.4	
1120	16.33	4	50	5550	9.06	0.924	7.16	87.4	1.34	14.4	
1125	16.65	4	50	5800	9.04	0.924	7.16	86.9	1.34	13.1	
1130	17.03	4	50	6050	9.06	0.925	7.16	86.3	1.33	13.7	17.38-16.65/11.24 ↓ 6% draw down
1135	17.38	4	50	6300	9.10	0.926	7.16	85.7	1.32	13.4	Sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#1 of 3

Pump # 9445

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number PZR-3R Date 5/12/10
Field Personnel PBull
Sampling Organization Cgrm
Identify MP

Depth to 1203 / 1403 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 1303
Purging Device; (pump type) Microprge bladder
Total Volume Purged 26.3L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm TOP	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
~~1555~~	4.12	4	50	50							Initial Read / fill cell
1555	4.40	4	50	50	9.95	0.928	7.16	20.0	9.90	11.2	
1600	4.40	4	50	300	9.71	1.41	7.24	35.8	5.36	157	
1605	4.40	4	100	~~7~~00	9.61	3.07	7.24	53.8	3.31	166	Red H_2O
1610	4.40	4	100	1300	9.58	3.74	7.32	57.5	1.34	193	
1615	4.40	4	100	1~~8~~00	9.54	3.88	7.36	58.1	0.91	166	
1620	4.60	4	250	2700	9.72	3.89	7.43	57.6	0.61	130	increase Rate 200mL
1625	4.60	4	250	3700	9.74	3.86	7.47	56.8	0.50	122	
1630	4.60	4	300	4900	9.84	3.76	7.50	55.7	0.46	99.1	↑ Rate 300
1635	4.75	4	350	5300	9.94	3.62	7.52	54.4	0.48	76.0	↑ Rate 350
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#2 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number PZR-38 Date 5/12/10
Field Personnel PBuAcr
Sampling Organization OBM
Identify MP

Depth to 1203 / 1403 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 1303
Purging Device; (pump type) microparge bladder
Total Volume Purged 263

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1640	4.92	4	350	6700	10.06	3.48	7.54	53.1	0.51	37.2	
1645	4.90	4	350	8100	10.04	3.34	7.55	51.5	0.57	38.2	
1655	4.90	4	350	9500	10.04	2.94	7.58	48.0	0.71	91.3	
1700	4.90	4	350	10900	10.01	1.68	7.76	34.4	1.69	71.9	
1705	4.90	4	350	12300	10.04	1.14	7.81	29.8	3.31	106.8	
1710	4.90	4	350	13700	10.04	0.945	7.81	29.1	4.59	95.6	
1715	4.90	4	350	15100	10.03	0.823	7.83	29.2	5.27	122	
1720	4.90	4	350	16500	10.03	0.737	7.96	30.3	5.77	107.3	
1725	4.90	4	350	17900	10.04	0.675	7.99	31.7	6.21	122	
1730	4.90	4	350	19300	10.02	0.650	7.99	34.3	6.39	115	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#3 of 3

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRS
Well Number PZR-3R Date 5/12/10
Field Personnel PBunton
Sampling Organization O&M
Identify MP

Depth to 1203 / 1403 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 130.3
Purging Device; (pump type) micropurge bladder
Total Volume Purged 26.3

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1735	4.90	4	350	20700	10.04	0.650	8.00	36.7	6.68	125	
1740	4.90	4	350	22.100	10.05	0.635	8.00	38.6	6.81	107.5	
1745	4.90	4	350	23500	10.07	0.624	8.02	40.1	6.92	99.5	
1750	4.90	4	350	24900	10.08	0.611	8.02	42.0	7.03	96.4	
1755	4.90	4	350	26300	10.08	0.606	8.02	44.9	7.12	93.7	sample
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

#1 of 3

ID # 9196

ID# 14947 — Bad H_2O connect

Head Space 0 ppm

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number P2R-9DR Date 5/11/10
Field Personnel Pete Burton / Dan Garrigan
Sampling Organization O&M
Identify MP

Depth to 135 / 155 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 145
Purging Device; (pump type) QED Sample Pro
Total Volume Purged 6250 mL

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1] * cpm	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0820	1.23'	Initial Reading Prior to Pump Install.									Min Purge 3.26 gallons
0920 ~~0915~~	1.68'	3	leak suspected in air line Removed Pump.								Cell Filling
0947	2.61'	3									Changed Air Cylinder
1400	1.43	4	50	50	21.61	2.97	6.54	2.2	4.70	0.92	4 cpm 140 ft
1405	2.50	4	50	100	19.18	2.74	7.23	6.2	3.46	3.80	
1410	2.89	4	50	150	16.88	2.61	7.70	9.4	2.99	5.48	
1415	3.05	4	50	200	16.17	2.55	7.91	10.5	2.45	6.14	
1420	3.48	4	50	250	15.15	2.48	8.17	10.8	2.20	9.43	
1425	3.86	4	50	300	13.86	2.41	8.30	10.9	2.41	~~16.0~~ 11.4	
1430	4.19	4	50	350	13.20	2.37	8.39	10.6	1.54	17.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

* Cycles Per Minute

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZR-4DR Date 5/11/10
Field Personnel PBuchon
Sampling Organization O&M Inc
Identify MP

Depth to 135 / 155 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 145
Purging Device; (pump type) QED Sample Pro
Total Volume Purged 6250 mL

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1435	4.50	4	50	400	12.79	2.34	8.41	9.9	1.34	15.2	
1440	4.71	4	50	450	12.75	2.34	8.39	8.4	1.19	16.6	
1445	4.916	4	50	500	12.77	2.34	8.41	6.5	1.09	15.6	
1450	5.08	4	50	550	12.61	2.35	8.44	4.7	21.02	14.8	
1455	5.18	4	50	600	12.88	2.34	8.47	2.8	0.96	13.8	Change Air Cylinder
1500	5.47	4	50	650	12.59	2.33	8.47	1.1	0.95	12.5	
1505	5.88	4	50	700	11.90	2.29	8.52	-0.2	0.91	10.92	
1510	6.04	4	50	750	11.71	2.28	8.45	-1.9	0.84	8.03	
1515	6.28	4	50	800	11.57	2.27	8.48	-4.0	0.81	7.54	[illegible] x 40 x 5 = 4000
1520	6.43	4	50	4250	11.46	2.26	8.46	-6.6	0.76	6.57	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZR-4DR Date 5/11/10
Field Personnel Pete Burton
Sampling Organization O&M Inc
Identify MP

Depth to 135 / 155 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 145
Purging Device; (pump type) QED Sample Pro
Total Volume Purged 6250 mL

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1525	6.38	4	50	4500	11.55	2268	8.49	-9.1	0.73	533	
1530	6.54	4	50	4750	11.91	2.28	8.45	-11.1	0.71	6.51	
1535	6.65	4	50	5000	11.75	2.27	8.50	-13.4	0.71	3.32	
1540	6.70	4	50	5250	11.46	2.25	8.49	-15.6	0.69	2.18	
1545	6.85	4	50	5500	11.46	2.25	8.48	-17.6	0.67	1.69	Change cylinders
1550	7.01	4	50	5750	11.47	2.25	8.47	-19.7	0.66	1.36	
1555	7.14	4	50	6000	11.27	2.23	8.45	-22.0	0.64	0.77	
1600	7.21	4	50	6250	11.09	223	8.48	-24.2	0.63	0.92	Sampled
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

Head Space 0.0 PPM.
Mid Screen Pump intake ~79.7' BMP

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZR-4R Date May 11, 2010
Field Personnel D. Garigan, P. Burton
Sampling Organization O+M, Inc
Identify MP

Depth to (below MP) Top 69.7 / bottom 89.7 of screen
Pump Intake at (ft. below MP) 79.7' BMP
Purging Device; (pump type) QED Sample Pro System # 9445 Pump Head
Total Volume Purged

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] ~~µS/cm~~ mS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0820	5.99	Initial Prior to Pump install									
1000	6.00	4									100 PSI
1035	6.00	4	180/mL/min								Began Purge fillCng Cell
1040	6.05	4	"	1.0	10.4°C	1.272	7.48	31.5	1.30 ~~20.7~~	119	Rust Colored Water
1045	6.10	4	"	2.0	9.84	1.28	7.62	31.1	1.27	101.3	
1050	6.10	"	"	2.1	9.75	1.29	7.74	30.7	1.13	85.6	Increased cycle Rusty to 5 CPM
1055	6.07	5	"	3.2	9.80	1.29	7.86	28.7	1.06	114.0	No change in flow Rate Increased 6 CPM
1100	6.07	4	"	4.25	9.87	1.24	7.92	27.4	1.14	120.0	Reduced Cycles to 4; Increase Pressure from 100 PSI → 110 PSI
1105	6.11	4	260	5.95	9.59	1.13	7.87	28.0	1.65	59.7	Increase Pressure to 120 PSI
1110	6.18	4	400	7.90	9.51	1.07	7.81	28.0	2.09	53.1	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

min. Purge 3.26 gallons

See Sheet 1 of for Details.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name)_____
Well Number PZR-4R Date 5-11-10
Field Personnel_____
Sampling Organization_____
Identify MP_____

Depth to _____/_____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP)_____
Purging Device; (pump type)_____
Total Volume Purged _____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1115	6.19	4	400	10.0	9.56	0.88	7.73	24.4	3.11	50.3	
1120	6.19	4	350	12.5	9.61	0.58	7.62	19.0	4.83	51.1	
1125	6.19	4	350	14.0	9.63	0.40	7.52	17.3	6.06	35.5	Reached Min Purge Vol
\	\ \	\	\	\ \	\	\	\	\	\	\	\ \ \ \
1130	6.19	4	400	16.0	9.63	0.34	7.43	21.3	6.77	34.3	Began Readings
1135	6.20	4	400	18.0	9.65	0.30	7.35 7.48	24.7	7.17	31.3	
1140	6.20	4	400	21.0	9.67	0.28	7.27	31.3	7.42	27.3	
1145	6.20	4	400	23.0	9.65	0.27	7.25	34.0	7.50	25.0	
1150	6.19	4	400	25.0	9.73	0.27	7.19	43.1	7.50	22.4	
1155	6.20	4	400	27.0	9.68	0.27	7.18	43.3	7.53	17.0	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

See Sheet 1 For Details

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name)_____
Well Number PZR-4R Date 5-11-10
Field Personnel_____
Sampling Organization_____
Identify MP_____

Depth to _____/_____ of screen
(below MP) top bottom
Pump Intake at (ft. below MP)_____
Purging Device; (pump type)_____
Total Volume Purged _____

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1200	6.20	4	400	29.0	9.62	0.26	7.16	46.6	7.62	13.1	
1205	6.20	4	400	31.0	9.70	0.25	7.15	48.2	7.65	13.1	
1210	6.20	4	400	33.0	9.73	0.25	7.13	~~51~~ 51.0	7.76	12.0	Conditions Stable
											Begin Sampling
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number PZR-5R Date 5-15-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc.
Identify MP TOR

Depth to 53 / 73 of screen (below MP) top bottom
Pump Intake at (ft. below MP) 63
Purging Device; (pump type) Bladder ID 15808
Total Volume Purged 10 l

1/2

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1015	5.30	14/1									Begin Purging
1030	5.53		25		13.54	2093	7.45	363.6	1.08	24	increasing flow
1040	6.04	13.5/1.5	25		13.61	2108	7.54	355.0	0.85	15	increasing flow
1050	6.37	13/2	50	4	13.52	2129	7.58	348.9	0.84	17	
1100	7.26			5.5	13.56	2121	7.59	342.0	0.89	16	
1110	7.40			6	13.32	2118	7.60	337.9	0.87	17	
1120	7.55			7	13.44	2116	7.61	334.6	0.87	16	
1130	8.01			7.5	13.48	2120	7.61	333.2	0.89	12	
1140	8.72			8	13.51	2115	7.63	341.4	0.89	15	
1150	9.23			8.5	13.49	2119	7.64	332.1	0.88	14	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	.10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

2/2

Location (Site/Facility Name) SRSNE
Well Number PZR-5R Date 5-15-10
Field Personnel A. Plaines
Sampling Organization O&M, Inc
Identify MP TOR

Depth to 53 / 73 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 63
Purging Device; (pump type) Bladder ID 15808
Total Volume Purged 10 l

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1200	9.61	13/2	50	9	13.55	2122	7.64	330.5	0.86	14	
1210	9.71			9.5	13.56	2126	7.66	327.7	0.89	13	
1220	9.81			10	13.50	2118	7.65	325.0	0.87	12	
1230	SAMPLE TIME				PZR-5R-051520 10						
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number SRS-1 Date 05/18/2010
Field Personnel John Legoudes
Sampling Organization O'M, Demaximis
Identify MP TOR

Depth to 17 / 22 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 19.5
Purging Device; (pump type) Bladder ID # 12752
Total Volume Purged 9

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm[2]	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0800	6.9	13.0/20									Begin Purging
0805	7.14	12.5/25									
0810	7.14	12/3									
0815	7.9	12.5/2.5	150		10.04	245	6.11	142.0	10.96	118	
0820	8.61	13/2	100		9.40	246	6.12	162.7	9.84	106.5	
0825	8.79	"	"		9.36	245	6.14	173.6	9.28	129	
0830	8.71	13.5/1.5	50		9.42	245	6.16	179.4	9.08	120	
0835	8.58	"	"		9.54	247	6.18	184.0	9.00	104	
0840	8.55	"	"	2	9.58	248	6.19	189.2	9.01	100.7	
0845	8.51	"	"		9.59	249	6.21	193.9	9.02	89.2	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/3

Location (Site/Facility Name) SRS NE
Well Number SRS-1 Date 5/18/2010
Field Personnel J. Lagoudes
Sampling Organization a.m. Dematteis
Identify MP TOR

Depth to 17 / 22 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 19.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 9

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0850	8.54	13.5/1.5	50		9.56	250	6.21	197.2	9.03	79.7	
0855	8.56	"	"	3.5	9.54	251	6.23	200.2	9.09	75.6	
0900	8.56	"	"		9.58	251	6.23	202.5	9.11	73.0	
0905	8.56	"	"	4	9.58	251	6.24	205.1	9.14	61.2	
0910	8.58	"	"		9.58	252	6.24	207.4	9.13	70.2	
0915	8.56	"	"	5	9.60	252	6.24	209.4	9.16	64.1	
0920	8.53	"	"		9.60	252	6.25	211.1	9.17	70.9	
0925	8.56	"	"	6	9.57	253	6.25	212.0	9.19	52.1	
0930	8.35	"	"		9.67	253	6.25	213.2	9.11	54.7	changed cylinder
0935	8.40	"	"		9.73	254	6.25	212.5	9.14	59	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number SRS-1 Date 5/18/2010
Field Personnel J. Layendes
Sampling Organization O&M, Remediation
Identify MP TOR

Depth to 17 / 22 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 19.5
Purging Device; (pump type) Bladder ID# 12752
Total Volume Purged 9

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0940	8.46	13.5/1.5	50		9.65	253	6.25	211.4	9.16	66.9	
0945	8.46	"	"		9.62	254	6.25	211.7	9.12	55.3	
0950	8.46	"	"	8	9.63	254	6.25	213.6	9.17	57.8	
0955	8.46	"	"		9.66	254	6.25	214.6	9.16	54.3	
1000	8.40	"	"		9.72	254	6.26	213.5	9.16	59.0	
1005	8.41	"	"	9	9.74	253	6.25	214.3	9.18	53.5	
1010			Sample time								
			Sample End Time			11:05					
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Head Space 0.0 PPM

Location (Site/Facility Name) SRSNF
Well Number SRS-3 Date 5-18-10
Field Personnel D. Garrigan
Sampling Organization OSM
Identify MP Top of Riser

Depth to 31' / 41' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 36' BMP
Purging Device; (pump type) Sample Pro Bladder Pump
Total Volume Purged 18.25 L
FD # 10923

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0950	3.58	4 CPM / 15PSI	150	1	Cell	Filling					Initial
0955	3.62	"	150	1	"	"					Checked Flow w/o Cell 150 mL/min
1000	3.64	"	150	1.0	9.02	356	6.75	243	1.94	252	Checked Flow Through cell 150 mL/min
1005	3.65	"	150	1.75	8.93	357	6.96	217	1.22	291	Well Cloudy w/ Iron or clay
1010	3.63	"	190 ~~2.50~~	2.50	9.16	357	7.07	196	0.84	971	
1015	3.63	"	150	3.25	8.90	357	7.12	172	0.57	867	
1020	3.64	"	150	4.00	8.92	357	7.15	160	0.55	434	No Odor
1025	3.63	"	150	4.75	9.02	357	7.18	152	0.45	490	
1030	3.64	"	150	5.50	8.93	357	7.19	146	0.48	335	
1035	3.63	"	150	6.25	9.06	356	7.20	141	0.44	276	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number SRS-3 Date 5-18-10
Field Personnel D. Garrigan
Sampling Organization O+M
Identify MP Top of Riser

Depth to 31' / 41' of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 36' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 18.25 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1040	3.63	4CPM / 15PSI	150	7.0	9.07	356	7.22	133	0.49	291	Checked Flow Through cell 150 mL/min
1045	3.65	"	"	7.75	8.97	358	7.22	128	0.39	219	
1050	3.63	"	"	8.50	8.96	358	7.22	125	0.36	230	
1055	3.65	"	"	9.25	8.98	357	7.22	121	0.40	229	
1100	3.63	"	"	10.00	8.96	358	7.23	119	0.36	192	
1105	3.65	"	"	10.75	8.95	358	7.23	114	0.30	108	
1110	3.63	"	"	11.50	8.94	358	7.23	113	0.29	142	
1115	3.65	"	"	12.25	8.95	358	7.24	106	0.32	98	
1120	3.65	"	"	13.00	8.96	359	7.24	105	0.30	85	
1125	3.63	"	"	13.75	8.98	359	7.24	98	0.41	70	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) SRSNE
Well Number SRS-3 Date 5-18-10
Field Personnel D. Garrigan
Sampling Organization O&M
Identify MP Top of Riser

Depth to 31' / 41' of screen (below MP) top bottom
Pump Intake at (ft. below MP) 36' BMP
Purging Device; (pump type) Bladder
Total Volume Purged 18.25L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1130	6.65	40PM / 15PSI	150	14.50	8.97	359	7.24	93	0.35	66	
1135	6.63	"	"	15.25	8.99	359	7.25	90	0.32	71	
1140	6.65	"	"	16.00	9.00	359	7.25	88	0.30	78	
1145	6.63	"	"	16.75	9.02	359	7.25	87	0.29	65	
1150	6.64	"	"	17.50	8.99	359	7.26	85	0.29	63	
1155	6.63	"	"	18.25	8.99	359	7.25	84	0.29	61	Condition 5
											Collect Sample.
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/3

Location (Site/Facility Name) SRSNE
Well Number TW-08A Date 05-25-2010
Field Personnel J. Lagoudes
Sampling Organization O+M, Demaximis
Identify MP T.O.R

Depth to 4 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25.75L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
09:05	6.16	10.5/4.5	300								Begin Purge, Paused
09:15	6.24	11	300	1.5							Resume Purge, fixed O-Ring. Paused Purge, bottom O-Ring on cell
09:25	6.22	10.5/4.5	300	3	13.01	469	6.34	-54.5	1.47	178	Resume Purge.
09:30	6.22	11	11	4.5	12.48	471	6.28	-59.3	0.93	178	
09:35	6.22	11	11	6	12.43	471	6.29	-60.9	0.85	151	
09:40	6.22	11	11	7.5	12.32	470	6.32	-61.4	0.73	114	
09:45	6.22	11	11	9	12.49	468	6.32	-61.3	0.69	83.5	
09:50	6.22	11	11	10.5	12.74	472	6.32	-62.3	0.65	64.6	
09:55	6.22	11	11	12	12.72	480	6.31	-60.6	0.62	66.8	
10:00	6.22	11	250	13.25	12.86	480	6.30	-60.8	0.58	36.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

Purge cell is leek misalignes.

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/3

Location (Site/Facility Name) SRSNE
Well Number TW-08A Date 05-25-2010
Field Personnel J. Lagoudes
Sampling Organization o+m, Demastmis
Identify MP T.O.R

Depth to 4 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25.75

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:05	6.22	10.5/4.5	250	14.50	12.59	478	6.31	-60.1	0.59	39.8	
10:10	6.22	11	11	15.75	12.53	469	6.29	-58.8	0.59	30.6	
10:15	6.22	11	11	17	12.84	465	6.30	-58.9	0.54	32.7	
10:20	6.22	11	11	18.25	12.64	463	6.31	-58.8	0.54	21.8	
10:25	6.22	11	11	19.50	12.71	460	6.30	-57.7	0.52	30.0	
10:30	6.22	11	11	20.75	12.48	461	6.31	-57.3	0.53	27.2	
10:35	6.22	11	11	22	12.75	454	6.31	-56.8	0.51	13.4	
10:40	6.22	11	11	23.25	12.61	458	6.31	-56.9	0.50	11.90	
10:45	6.22	11	11	24.50	12.67	457	6.31	-56.5	0.50	10.75	
10:50	6.22	11	11	25.75	12.70	455	6.31	-56.4	0.49	9.80	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25 °C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number TW-08A Date 05-25-2010
Field Personnel J. Lagoudes
Sampling Organization O+M, Demetriis
Identify MP T.O.R

Depth to 4 / 14 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 11
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25.75L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
10:55		S	ample	time							sample time.
											Finished sampling 11:40
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/3

Location (Site/Facility Name) SRSNE
Well Number TW-08B Date 05-24-2010
Field Personnel John Lagorder
Sampling Organization Otm, demaximis
Identify MP TOR

Depth to 21.5 / 31.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 26.5
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
0900	6.10	10/5	200								Begin Purge
0915	7.40	10/5	1/		~~5.66~~	~~45~~	~~7.26~~	~~80.6~~	~~9.78~~	~~215~~	No water in cell
0920	7.40	11	1/	1	12.50	1154	8.12	-51.1	9.04	267	
0925	7.40	11	1/	2	13.10	1140	8.12	-102.2	8.12	285	
0930	7.40	11	11	3	13.33	1124	8.05	-143.2	8.05	239	
0935	7.40	11	11	4	13.39	1128	7.56	-123.7	7.56	219	
0940	7.35	11	11	5	13.24	1156	7.19	-94.7	5.35	188	
0945	7.35	11	11	6	13.19	1174	7.09	-89.1	4.87	147	
0950	7.35	11	11	7	13.25	1190	7.08	-85.4	4.03	138	
0955	7.37	11	11	8	13.21	1200	7.08	-91.9	3.85	142	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/3

Location (Site/Facility Name) SRSNE
Well Number TW-08B Date 05-24-2010
Field Personnel John Lagoudes
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 21.5 / 31.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 26.5
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1000	7.37	10/5	200	9	13.30	1207	7.03	-80.2	2.92	136	
1005	7.37	"	"	10	13.17	1211	7.00	-84.0	3.23	127	
1010	7.37	"	"	11	13.46	1216	6.93	-77.3	2.35	120	
1015	7.37	"	"	12	13.60	1215	6.89	-72.7	2.19	119	
1020	7.37	"	"	13	13.55	1223	6.87	-70.6	2.03	110	
1025	7.40	"	"	14	13.37	1223	6.82	-66.2	1.73	106.4	
1030	7.40	"	"	15	13.55	1223	6.78	-65.3	1.58	96.7	
1035	7.40	"	"	16	13.44	1226	6.80	-72.2	1.43	90.7	
1040	7.40	"	"	17	13.42	1225	6.79	-71.8	1.49	90.3	
1045	7.40	"	"	18	13.57	1223	6.79	-71.6	1.34	88.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 3/3

Location (Site/Facility Name) SRSNE
Well Number TW-08B Date 05/24/2010
Field Personnel J. Legouses
Sampling Organization O+M, Demaximis
Identify MP TOR

Depth to 21.5 / 31.5 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 26.5
Purging Device; (pump type) Bladder ID# 10923
Total Volume Purged 25

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
1050	7.40	10/5	200	19	13.38	1227	6.77	-72.2	0.43	76.3	
1055	7.40	"	"	20	13.58	1228	6.76	-68.9	2.55	86.5	
1100	7.40	"	"	21	14.02	1227	6.73	-64.0	2.05	72.8	
1105	7.40	"	"	22	13.88	1231	6.74	-67.4	1.56	102.3	
1110	7.40	"	"	22	14.06	1240	6.74	-73.1	1.23	83.4	
1115	7.40	"	"	23	13.79	1238	6.68	-71.2	1.06	85.2	
1120	7.40	"	"	24	14.63	1233	6.66	-74.0	0.96	86.6	
1125	7.40	"	"	25	14.10	1245	6.65	-72.9	0.91	68.0	
1130											Sample time, It has been more than 2 hrs Purge-
1220											Finished sampling at 12:20
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 1/2

Location (Site/Facility Name) SRSNE
Well Number ~~MW~~ TW-08D Date 05-24-2010
Field Personnel J. Lagoudes
Sampling Organization o+m, Denaxamis
Identify MP TOR

Depth to 17 / 22 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 19.5
Purging Device; (pump type) Bladder ID# 9198
Total Volume Purged 14 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
14:15	5.68	11/4	150	.75							Begin Purge.
14:20	5.80	11	11	1.5	15.39	900	6.29	-68.1	3.51	74.2	
14:25	5.80	10.5/45	250	2.75	14.25	904	6.23	-66.7	2.08	57.8	
14:30	5.85	11	11	4	13.51	906	6.23	-67.7	1.31	45.6	
14:35	5.90	10/5	300	5.5	14.43	904	6.23	-68.9	1.03	38.5	
14:40	5.86	11	11	6.5	13.73	899	6.25	-70.3	0.92	31.7	
14:45	5.86	11	11	8	13.66	907	6.28	-69.4	0.92	30.3	
14:50	5.90	11	11	9.5	13.35	903	6.27	-70.8	0.82	26.4	
14:55	5.90	11	11	11	13.24	905	6.28	-67.9	0.75	21.1	
15:00	5.90	11	11	12.5	13.14	906	6.29	-69.3	0.69	20.5	
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM 2/2

Location (Site/Facility Name) SRSNE
Well Number TW-080 Date 05-24-2010
Field Personnel J. Legoudes
Sampling Organization O+M, Dematimis
Identify MP TOR

Depth to 17 / 22 of screen
(below MP) top bottom
Pump Intake at (ft. below MP) 19.5
Purging Device; (pump type) Bladder ID# 9198
Total Volume Purged 14L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP[3] mv	DO mg/L	Turb-idity NTU	Comments
15:05	5.90	10/5	300	14	13.17	907	6.30	-70.8	0.66	17.5	
15:10					Sample time.						
					Finished Sampling 15:45.						
Stabilization Criteria					3%	3%	±0.1	± 10 mv	10%	10%	

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm(same as µmhos/cm)at 25°C.
3. Oxidation reduction potential (ORP)

ARCADIS

Attachment B

Equipment Calibration Logs

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/16/2010

INSTRUMENT IDENTIFICATION

Brand: Lamotte	Model: 2020E	Serial Number: SN-ME-11907
Brand:	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00		4.00		4.00	
7.00		7.00		7.00	
10.00		10.00		10.00	
Turbidity (NTUs)					
0	0	0		0	
1	1	1		1	
10	10	10		10	
Conductivity					
10 µS/cm		10 µS/cm		10 µS/cm	
10 mS/cm		10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)					
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/11/10

INSTRUMENT IDENTIFICATION

Brand:	Model:	Serial Number:
Brand: Lamotte	Model: 2020	Serial Number: 0837-3839

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00		4.00		4.00	
7.00		7.00		7.00	
10.00		10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1	1.0	1		1	
10	10	10		10	
Conductivity					
10 µS/cm		10 µS/cm		10 µS/cm	
10 mS/cm		10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)					
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/6/2010

INSTRUMENT IDENTIFICATION

Brand: Lamotte	Model: 2020E	Serial Number: SN-ME-15414
Brand:	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00		4.00		4.00	
7.00		7.00		7.00	
10.00		10.00		10.00	
Turbidity (NTUs)					
0	0	0		0	
1	1	1		1	
10	10	10		10	
Conductivity					
10 µS/cm		10 µS/cm		10 µS/cm	
10 mS/cm		10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)					
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/19/2010

INSTRUMENT IDENTIFICATION

Brand:	Model:	Serial Number:
Brand: YSI	Model: 600XL	Serial Number: 04I5999AA

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.01	4.00		4.00	
7.00	6.97	7.00		7.00	
10.00	10.02	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1		1		1	
10		10		10	
Conductivity					
10 µS/cm	10.00	10 µS/cm		10 µS/cm	
10 mS/cm	10.00	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240				
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/11/2010

INSTRUMENT IDENTIFICATION

Brand:	Model:	Serial Number:
Brand: YSI	Model: 600 XL	Serial Number: 07A1480AC

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.01	4.00		4.00	
7.00	6.97	7.00		7.00	
10.00	10.0	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1		1		1	
10		10		10	
Conductivity					
10 µS/cm	10.00	10 µS/cm		10 µS/cm	
10 mS/cm	10.00	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240				
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/11/2010

INSTRUMENT IDENTIFICATION

Brand:	Model:	Serial Number:
Brand: YSI	Model: 600XL	Serial Number: 01K1075 AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.98	4.00		4.00	
7.00		7.00		7.00	
10.00	10.0	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1		1		1	
10		10		10	
Conductivity					
10 µS/cm	10.00	10 µS/cm		10 µS/cm	
10 mS/cm	9.99	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240.1				
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 5/11/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6820	Serial Number: 01H1295AD
Brand: LaMotte	Model: 2020	Serial Number: 3302-2283

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.01	4.00		4.00	
7.00	7.00	7.00		7.00	
10.00	9.94	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1	1.00	1		1	
10	10.00	10		10	
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	
10 mS/cm	10	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	1.46	Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240				
(Light's Solution)					
Temperature (°C)	9.36				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/11/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6000	Serial Number: 01A0138AB
Brand: LaMotte	Model: 2020	Serial Number: 2550-1701

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.00	4.00		4.00	
7.00	7.00	7.00		7.00	
10.00	10.00	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1	1.1	1		1	
10	10	10		10	
Conductivity					
10 µS/cm	9.999	10 µS/cm		10 µS/cm	
10 mS/cm	10	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.74	Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240.1				
(Light's Solution)	444.4				
Temperature (°C)	13.15				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 5/11/10

INSTRUMENT IDENTIFICATION

Brand:	Model:	Serial Number: 04E 8020 8B
Brand: Lamotte	Model: 2020E	Serial Number: SN-ME- 10901

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.98	4.00		4.00	
7.00	7.00	7.00		7.00	
10.00	9.95	10.00		10.00	
Turbidity (NTUs)					
0	0	0		0	
1	1.0	1		1	
10	10.0	10		10	
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	
10 mS/cm	10	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.81	Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240				
(Light's Solution)					
Temperature (°C)	9.46				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/12/10

INSTRUMENT IDENTIFICATION

Brand: YSI (Sonde)	Model: 650 MDS	Serial Number: 01K107815
Brand: YSI	Model: 600 XL	Serial Number: 0240874 AB

LaMotte 2020 # 0837-3898

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.83 → 4.00	4.00		4.00	3.91
7.00	6.94 → 7.00	7.00		7.00	6.82
10.00	9.83 10.00	10.00		10.00	9.72
Turbidity (NTUs)					
0		0		0	
1	1.0 → 1.0	1		1	1.27
10	9.8 → 10.0	10		10	9.81
Conductivity					
10 µS/cm	1,527 → 1,413 µS/cm	10 µS/cm		10 µS/cm	9967
10 mS/cm		10 mS/cm		10 mS/cm	9.138
Dissolved Oxygen (mg/L)					
Zero DO Solution	4.96	Zero DO Solution		Zero DO Solution	0.21
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	226.1 → 240.0				222.6
(~~Light's Solution~~)					
Temperature (°C)	14.81				15.2

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/12/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 05J1693 AC
Brand: YSI	Model: 6920	Serial Number: 04E8620 AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.90 4.00	4.00		4.00	4.01
7.00	7.03 7.00	7.00		7.00	7.00
10.00	9.92 9.99	10.00		10.00	10.03
Turbidity (NTUs)					
0	0	SN Camolle 2020 0	ME11907	0	
1	1.19	1		1	0.86
10	10.01	10		10	10.01
Conductivity					
~~10 µS/cm~~		10 µS/cm		10 µS/cm	9.9
~~10~~ mS/cm 1.148 1,413 ~~1,413~~	1.413	10 mS/cm		10 mS/cm	10
Dissolved Oxygen (mg/L)					
Zero DO Solution	3.35	Zero DO Solution		Zero DO Solution	3.88
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)				235.2	
(Light's Solution)					
238.5	239.5				
Temperature (°C)	16.49				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

NJ 5-12-10

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YSI & Turbidity Meter Calibration Log

DATE: May 12, 2010

INSTRUMENT IDENTIFICATION

YSI 650 MDS

Brand: YSI	Model: 650	Serial Number: ~~11407~~ 07A1480 AC
Brand: YSI	Model: 600XL-B-M	Serial Number: 01H1018

LaMotte 2020 3302-2202

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.01	4.0	4.00		4.00	4.01
7.00 6.96	7.0	7.00		7.00	7.00
10.00 9.95	10.0	10.00		10.00	10.02
Turbidity (NTUs) LaMotte		~~220~~ 2020 SN-ME 10941			
0	0.00	0	✓	0	
1		1	✓	1	ERROR/644 defective
10		10	9.01	10	9.03
Conductivity					
10 µS/cm	1.558/1.413	10 µS/cm		10 µS/cm	9.998
10 mS/cm		10 mS/cm		10 mS/cm	9.275
Dissolved Oxygen (mg/L)					
Zero DO Solution	3.97	Zero DO Solution		Zero DO Solution	3.80
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	219.4/2.398			14.1 °C	244.1
(Light's Solution)					
Temperature (°C)	15.27 °C				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

Fielding - LJ

DATE: 5/12/10

INSTRUMENT IDENTIFICATION YSI 650 MDS 3138

Brand: YSI	Model: 650	Serial Number: 3138 Pine
Brand:	Model: 600XL-M	Serial Number: 065864

Turbidity - LaMOTTE Brand model 2020 SN: 2550-1701

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.07	4	4.00		4.00	4.04
7.00 7.02	7	7.00		7.00	6.98
10.00 9.89	10	10.00		10.00	10.00
Turbidity (NTUs)					
0		0		0	
1 1.3	1	1		1	1
10 9.7	10	10		10	10
Conductivity					
10 µS/cm 1.478	1.413	10 µS/cm		10 µS/cm	10
10 mS/cm		10 mS/cm		10 mS/cm	10
Dissolved Oxygen (mg/L)					
Zero DO Solution	4.02	Zero DO Solution		Zero DO Solution	1.85
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution) 241.6	240.3			251.7	
(Light's Solution)					
Temperature (°C)	14.68				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

EC

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YSI & Turbidity Meter Calibration Log

DATE: 5/12/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 02K0598 AD
Brand: YSI	Model: 6920	Serial Number: 0141295 AD

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.96	4	4.00		4.00	4.01
7.00 7.02	7	7.00		7.00	6.99
10.00 9.98	10	10.00		10.00	10.00
Turbidity (NTUs)					
0	0	0		0	0
1	1	1		1	1
10	10.	10		10	10
Conductivity					
~~10 µS/cm~~ 1.502 (413 µS/cm?)	1.413	10 µS/cm		10 µS/cm	10.0
10 mS/cm		10 mS/cm		10 mS/cm	9.99
Dissolved Oxygen (mg/L)					
Zero DO Solution	3.96	Zero DO Solution		Air Check Zero DO Solution	99.8%
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	232.2/240			18°C 247	248
(Light's Solution)					
Temperature (°C)	15.50				13.6

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

CT

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YSI & Turbidity Meter Calibration Log

DATE: 5/12/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 01K1078AF
Brand: YSI	Model: 600XL-P-D	Serial Number: 04J15919 AA

LaMotte 2020 0837-3898

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.92 → 4.00	4.00		4.00	4.04
7.00	6.89 → 7.00	7.00	7.05	7.00	7.05
10.00	10.03 → 10.00	10.00		10.00	10.04
Turbidity (NTUs)					
~~0~~		0		0	
1	1.0 → 1.0	1		1	1.6
10	9.8 → 10.0	10		10	10
Conductivity					
~~10 µS/cm~~		10 µS/cm		10 µS/cm	10
~~10 mS/cm~~ 1.413	1.298 → 1.419	10 mS/cm		10 mS/cm	9.3
Dissolved Oxygen (mg/L)					
Zero DO Solution	1.65	Zero DO Solution		Zero DO Solution	
REDOX (mV)	233.1 → 240.0	Chart [1]		Chart [1]	
(Zobell Solution)				236.6	
(~~Light's Solution~~)					
Temperature (°C)	16.63				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

0.57
9.01

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YSI & Turbidity Meter Calibration Log

DATE: 5/13/10

INSTRUMENT IDENTIFICATION

Brand: YSI (Sonde)	Model: 6560MOS	Serial Number: 06J1598AE
Brand: YSI	Model: 600XL	Serial Number: 01A0138-AB

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	Expired 3.95	Fixed 4.00	4.00		4.00	4.02
7.00	7.18	7.00	7.00		7.00	7.05
10.00	10.36	10.05	10.00		10.00	10.07
Turbidity (NTUs)						
0			0		0	
1	1.27	1	1		1	0.00
10	9.63	10	10		10	9.5
Conductivity						
* 10 µS/cm	Expired 9869	10	10 µS/cm		10 µS/cm	10.36
10 mS/cm	10.26	10	10 mS/cm		10 mS/cm	10.38
Dissolved Oxygen ~~(mg/L)~~ %						
~~Zero DO Solution~~		0%	Zero DO Solution		100%	
		100.1			~~Zero DO Solution~~ mg/L →	102.3 → 0.13
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)		239.8				236.0
(Light's Solution)		446.1				450.2
Temperature (°C)		12.43				21.23

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

* unit only reads ms/cm. Unit calibrated to 10,000 Ms/cm. Conversion = 10 mS/cm.

C1

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/13/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 02K0598 AD
Brand: YSI	Model: 6290 XL	Serial Number: 2247
Lamotte	2020	0837-3898

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.97 → 4.00	4.00		4.00	4.15
7.00	6.99 → 7.00	7.00		7.00	7.05
10.00	9.96 → 10.00	10.00		10.00	10.12
Turbidity (NTUs)					
~~0~~		0		0	
1	2.0 → 1.0	1		1	0.00
10	9.8 → 10	10		10	9.5
Conductivity					
10 µS/cm	9.982 → 10.00	10 µS/cm		10 µS/cm	9097
10 mS/cm	9.410 → 10.00	10 mS/cm		10 mS/cm	9.104
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	0.14
101.1% → 100.5					
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	246.5 → 240				231.3
(Light's Solution)	NA not enough solution				NA
Temperature (°C)	8.69				21.68

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DC for DG

DATE: 5/13/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6820	Serial Number: 04D6185NA
Brand:	Model:	Serial Number:

C

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.05	3.99	4.00		4.00	3.88
7.00 7.21	7.00	7.00		7.00	6.87
10.00 9.93	10.02	10.00		10.00	9.85
Turbidity (NTUs)					
0		0		0	NA
1		1		1	
10		10		10	
Conductivity					
10 µS/cm	9999	10 µS/cm		10 µS/cm	10,039
10 mS/cm	8.3	10 mS/cm		10 mS/cm	9,362
Dissolved Oxygen (mg/L)					
Zero DO Solution 1.99		Zero DO Solution		Zero DO Solution	0.09
DO Sat T 65.4 mmHg / 100.7%					
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240.0				231.3
(Light's Solution)	444.4				
Temperature (°C)	16.85			21.93 °C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-13-10

AP

INSTRUMENT IDENTIFICATION Bar. P. 762.9 mm

Brand: YSI C50 MDS	Model:	Serial Number: 04J15999 AA (probe)
Brand: Lamotte	Model: 2020 SN 3357	Serial Number: 01K7038AF (meter)

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.11	4	4.00		4.00	4.08
7.00	7.02	7	7.00		7.00	7.02
10.00	10.15	10.02	10.00		10.00	9.97
Turbidity (NTUs)						
0			0		0	
1	1.47	1.13	1		1	1.31
10	10.11	10.02 / 10.20 KP	10		10	9.96
Conductivity 9918						
10 µS/cm		10002	10 µS/cm		10 µS/cm	10.8
10 mS/cm [3]		10.002	10 mS/cm		10 mS/cm	10.19
9.068						
Dissolved Oxygen (mg/L)						
Zero DO Solution		3.64	Zero DO Solution		Zero DO Solution	4.97
Air Sat: 100.4%						
REDOX (mV)		234.2	Chart [1]		Chart [1]	
(Zobell Solution)		240.0				232.4
(Light's Solution)		451.3				453.6
Temperature (°C)		13.42				20.9

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

Matt

YSI & Turbidity Meter Calibration Log

DATE: 5/13/10

D.O. Calibration
763.6mm Hg
100.5%

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 31300
Brand: YSI	Model: 600 XL-M	Serial Number: 04E8624AM

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.92	4.0	4.00		4.00	4.32
7.00 7.01	7.0	7.00		7.00	7.15
10.00 10.06	10.01	10.00		10.00	9.87
Turbidity (NTUs)					
0	0	0		0	0.29
1	1	1		1	0.39
10	10	10		10	9.35
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	9712
10 mS/cm	7.6	10 mS/cm		10 mS/cm	9.07
Dissolved Oxygen (mg/L)					
Zero DO Solution	3.56	Zero DO Solution		Zero DO Solution	0.82
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	264.3/240				222.2
(Light's Solution)	434.5				
Temperature (°C)	11.04			@ 21.40°C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

PETE

YSI & Turbidity Meter Calibration Log

DATE: 5/13/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 7127
Brand: YSI	Model: 6920	Serial Number: 04E8620AB

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
	Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.07	4.01	4.00		4.00	4.20
7.00	7.02	7.00	7.00		7.00	7.01
10.00	10.08	10.01	10.00		10.00	9.88
Turbidity (NTUs)	20 20e		SM-11907			
0		0	0		0	0.65
1		1	1		1	0.12
10		10	10		10	9.39
Conductivity						
10 µS/cm		10	10 µS/cm		10 µS/cm	9687
10 mS/cm		7.5	10 mS/cm		10 mS/cm	9.01
Dissolved Oxygen (mg/L)						
Zero DO Solution		3.49	Zero DO Solution		Zero DO Solution	0.76
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)						226
(Light's Solution)						
	236.6	240				
Temperature (°C)		10.02			@ 21.65°C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

DO 100.7

EC

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/14/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 06J159842
Brand: LaMotte	Model: 2020	Serial Number: 0837-5898

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.01	4.00	4.00		4.00	4.01
7.00	6.97 →	7.00	7.00		7.00	7.00
10.00	10.17	10.01	10.00		10.00	9.98
Turbidity (NTUs)						
0			0		0	
1	1.24	1.00	1		1	1
10	9.96	10.00	10		10	10.00
Conductivity						
10 µS/cm	9474 →	10	10 µS/cm		10 µS/cm	9986
10 mS/cm	10.00 →	10.00	10 mS/cm		10 mS/cm	10
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.16	Zero DO Solution		Zero DO Solution	0.19
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)	221.8 →	240.0			Zobell	237.3
(Light's Solution)		448.3				
Temperature (°C)		9.63				14.41

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-14-10

AP

INSTRUMENT IDENTIFICATION Bar. P 757.8

Brand: YSI	Model: 650 MDS	Serial Number: 04J15999 AA
Brand: LaMotte	Model: 2020	Serial Number: 3757

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	3.97	4	4.00		4.00	3.99
7.00	7.03	7	7.00		7.00	6.96
10.00	9.93	9.99	10.00		10.00	9.90
Turbidity (NTUs)						
0			0		0	0.79
1	1.36	1.0	1		1	0.90
10	9.85	10.1	10		10	9.84
Conductivity						
10 µS/cm	9932	10	10 µS/cm		10 µS/cm	10
10 mS/cm	~~145~~	8.33	10 mS/cm		10 mS/cm	8.85
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.17	Zero DO Solution		Zero DO Solution	0.17
REDOX (mV)		229.7	Chart [1]		Chart [1]	
(Zobell Solution)		240.1				240.5
(Light's Solution)		454.7				460.7
Temperature (°C)		15.70				18.66

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

DO 381.4 % Calib to 9.89 %

D. Daviga

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

D.O. 101.

DATE: May 14, 2010

INSTRUMENT IDENTIFICATION Barometric 767.7

Brand: YSI	Model: 650 MDS	Serial Number: 01K1078 AB
Brand: Sonde YSI 600 XL-B-M	Model:	Serial Number: 02A0874 AB

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.06	4.00	4.00		4.00	3.99
7.00	7.23	7.00	7.00		7.00	7.02
10.00	9.78	9.97	10.00		10.00	9.95
Turbidity (NTUs) Lamotte						
0		0.00	0		0	0.00
1		0.94	1		1	0.86
10		9.59	10		10	9.88
SN-ME109 01						
Conductivity						
10 µS/cm		10	10 µS/cm		10 µS/cm	9.55
10 mS/cm		8.33	10 mS/cm		10 mS/cm	8.34
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.29	Zero DO Solution		Zero DO Solution	-2.24 Out of Service
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)		240.0				225
(Light's Solution) 230.7						432
Temperature (°C)		15.43				18.47

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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Infrastructure, environment, facilities

P Burton

YSI & Turbidity Meter Calibration Log

BP 759.8
D.O. 100 %

DATE: 5/14/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6920	Serial Number: 04E86 20AB
Brand: YSI	Model: 650	Serial Number: 7127

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.01	4.00	4.00		4.00	4.03
7.00	6.98	7.00	7.00		7.00	6.98
10.00	10.03	10.00	10.00		10.00	9.95
Turbidity (NTUs)						
0		0	0		0	0
1		0.85	1		1	0.95
10		10.17	10		10	9.81
SN ME 13414						
Conductivity						
10 µS/cm		10	10 µS/cm		10 µS/cm	9.78
10 mS/cm		~~10~~ 8.27	10 mS/cm		10 mS/cm	8.75
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.27	Zero DO Solution		Zero DO Solution	0.15
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)					Zobell	
(Light's Solution)						224.1
	239.0	240.0				19.83
Temperature (°C)		16.09				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

M. GRUBB

YSI & Turbidity Meter Calibration Log

DATE: 5/14/10

BARO: 760.4
DO: 100.2

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 01F0883 AC
Brand: YSI	Model: 6920	Serial Number: 5299

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.93	4	4.00		4.00	4.09
7.00 6.78	7	7.00		7.00	7.08
10.00 9.97	10	10.00		10.00	9.90
Turbidity (NTUs)	2020				
0		0		0	0.40
1 0.15	1.0	1		1	0.90
10 11	10	10		10	10.0
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	9.26
10 mS/cm	8.428	10 mS/cm		10 mS/cm	8.25
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.11	Zero DO Solution		Zero DO Solution	0.06
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	249.6/240			Zobell	217.3
(Light's Solution)					
Temperature (°C)	16.29				19.87

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-15-10 SN MG13414

INSTRUMENT IDENTIFICATION

Brand: ~~650~~ YSI	Model: 650	Serial Number: 06J1938AD
Brand: YSI	Model: 600XLM	Serial Number: 9C03

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	3.98	4.00	4.00		4.00	4.04
7.00	7.01	7.00	7.00		7.00	6.53
10.00	10.00	10.01	10.00		10.00	9.59
Turbidity (NTUs)						
0		0	0			-1.97
					0	~~0.1~~ AP
1		0.92	1		1	-0.45
10		10.05	10		10	8.36
Conductivity						
10 µS/cm		10	10 µS/cm		10 µS/cm	9.7
10 mS/cm		8.5	10 mS/cm		10 mS/cm	8.8
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.06	Zero DO Solution		Zero DO Solution	0.42
REDOX (mV)		230.8	Chart [1]		Chart [1]	
(Zobell Solution)		239.9				231.4
(Light's Solution)		450.5				460.9
Temperature (°C)		17.35				19.92

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-15-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS / 600XL	Serial Number: 01H1018AA 11407 unit sonde
Brand:	Model:	Serial Number:

CALIBRATION RECORD

* Grabbed as a replacement during purging process

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00		4.00		4.00	4.16
7.00		7.00		7.00	7.11
10.00		10.00		10.00	10.02
Turbidity (NTUs)					
0		0		0	
1		1		1	
10		10		10	
Conductivity					
10 µS/cm		10 µS/cm		10 µS/cm	8992
10 mS/cm		10 mS/cm		10 mS/cm	8.02
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	0.15
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)					218.3
(Light's Solution)					423.5
Temperature (°C)					19.42

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-15-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS / 600XL sonde	Serial Number: 04J15998 AA sonde
Brand: Lamotte	Model: 2020	Serial Number: 01K1038AF unit 2550-1701

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.03	4	4.00		4.00	4.07
7.00	6.91	7	7.00		7.00	7.05
10.00	10.07	10.01	10.00		10.00	10.00
Turbidity (NTUs)						
0			0		0	
1	0.75	1.0	1		1	1.2
10	8.9	10.0	10		10	9.7
Conductivity						
10 µS/cm		10017	10 µS/cm		10 µS/cm	9584
10 mS/cm		8.47	10 mS/cm		10 mS/cm	8.58
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.05	Zero DO Solution		Zero DO Solution	0.04
REDOX (mV)		257.5	Chart [1]		Chart [1]	
(Zobell Solution)		240.0				232.1
(Light's Solution)		450.7				450.2
Temperature (°C)		16.93				19.27

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-17-10 Pete

Lamotte ME 13414

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J1938AD
Brand:	Model: 6000XLM	Serial Number: 9003 Pine

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.99 4.00	4.00		4.00	4.13
7.00	6.80 6.99	7.00		7.00	7
10.00	10.03 10.00	10.00		10.00	10.05
Turbidity (NTUs)					
0	0	0		0	0.05
1	1.0	1		1	0.67
10	10.0	10		10	9.54
Conductivity					
10 µS/cm	9.5 10	10 µS/cm		10 µS/cm	9.9
10 mS/cm	7.2 7.6	10 mS/cm		10 mS/cm	9.9
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.28	Zero DO Solution		Zero DO Solution	0.10
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	250.7 240.0				231
(Light's Solution)	432.2				466.3
Temperature (°C)	13.99				24.06

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 05/17/2010

Barometric pressure=760.9
DO% = 88.6 → 101.5%

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 3138
Brand: YSI	Model: 600XL-M	Serial Number: 04E8624

Turb. Brand - LaMotte. 2020 SN: 3302-2202

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.94	4	4.00		4.00	4
7.00 7.05	7	7.00		7.00	7.03
10.00 9.84	9.99	10.00		10.00	9.85
Turbidity (NTUs)					
0		0		0	0.05
1 ~~10~~ 5.92	1.01 ~~0.98~~	1		1	0.90
10 9.71	10	10		10	9.96
Conductivity					
10 µS/cm[C] 10.0	10	10 µS/cm		10 µS/cm	9.5
10 mS/cm 7.83	7.83	10 mS/cm		10 mS/cm	9.5
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.15		Zero DO Solution		Zero DO Solution	0.08
Changed membrane.					
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution) 247.7 / 240					213.7
(Light's Solution) 446.8					455
Temperature (°C) 14.23					24.40

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

Garrigan

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YSI & Turbidity Meter Calibration Log

DATE: 5-17-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J 1598 AE
Brand: YSI	Model: 600 XL	Serial Number: 01A 0138 AB

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard	Calibration Successful		Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	3.92	4.00	4.00		4.00	4.05
7.00	7.19	7.00	7.00		7.00	6.90
10.00	9.94	9.99	10.00		10.00	9.83
Turbidity (NTUs)		11907				
0		0.18	0		0	-0.72
1		0.29	1		1	0.00
10		7.93	10		10	9.38
Conductivity						
10 µS/cm	11.390	10,000	10 µS/cm		10 µS/cm	9603
10 mS/cm	8.6	7.60	10 mS/cm		10 mS/cm	9.6
Dissolved Oxygen (mg/L)			Morning	8.12		
Zero DO Solution	0.88		Zero DO Solution	98.5 %	Zero DO Solution	0.88
Changed membrane			Pressure	748.6		
				748.6		
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)	256/240.1					227.3
(Light's Solution)	451.6					432
Temperature (°C)	12.78°				24.46 °C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

New membran installed!

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DG

YSI & Turbidity Meter Calibration Log

DATE: 5-17-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS/600XL	Serial Number: 01K1038AF 04J15999 AA
Brand: LaMotte	Model: 2020	Serial Number: 2550-1701

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.05	4.00	4.00		4.00	4.02
7.00	7.02	7.00	7.00		7.00	6.95
10.00	10.13	10.01	10.00		10.00	9.88
Turbidity (NTUs)						
0			0		0	
1	1.1	1.0	1		1	1.0
10	10.0	10.0	10		10	9.6
Conductivity						
10 µS/cm	9.6	9.6 10.0	10 µS/cm		10 µS/cm	9.0
10 mS/cm	24	7.7	10 mS/cm		10 mS/cm	8.9
Dissolved Oxygen (mg/L)						
Zero DO Solution	1.12	recal % sat → 0.34 zero	Zero DO Solution		Zero DO Solution	-0.45
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)	248.2					226
(Light's Solution)	450.3					465
Temperature (°C)	13.69					24.11

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

EC

Barometer = 759.9

ARCADIS
Infrastructure, environment, facilities

AM
DO % = 116.2
pm = 110.7

YSI & Turbidity Meter Calibration Log

DATE: 5/27/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: ~~06~~ 07F1480
Brand: LAMOTTE	Model: 2020E	Serial Number: ~~SAS~~ ME-10901

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.01 → 4.00	4.00		4.00	4.17
7.00	7.13 → 7.00	7.00		7.00	7.10
10.00	9.96 → 9.99	10.00		10.00	10.00
Turbidity (NTUs)					
0		0		0	
1	0.71 → 1.00	1		1	0.8
10	9.80 → 10.00	10		10	9.82
Conductivity					
10 µS/cm	9.38 → 10.0	10 µS/cm		10 µS/cm	9.16
10 mS/cm	7.33 → 7.8	10 mS/cm		10 mS/cm	9.14
Dissolved Oxygen (mg/L)					
Zero DO Solution	3.18	Zero DO Solution		Zero DO Solution	0.36
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	235.6 → 240				206.7
(Light's Solution)	426.3				419.7
Temperature (°C)	13.78				19.68

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

CT

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/17/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6920	Serial Number: 2247
Brand: YSI	Model: 650 MDS	Serial Number: 02K0598 AD
Lamotte	2020E	SN: ME-1090

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.07 → 4.00	4.00		4.00	4.20
7.00	7.31 → 7.27	7.00		7.00	7.12
10.00	10.07 → 10.00	10.00		10.00	10.16
Turbidity (NTUs)					
0	0	0		0	0
1	0.74 → 1.0	1		1	0.85
10	9.8 → 10	10		10	9.6
Conductivity					
10 µS/cm	9.989 → 10.000	10 µS/cm		10 µS/cm	9.656
10 mS/cm	9.7 → 10.0	10 mS/cm		10 mS/cm	9.6
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.06	Zero DO Solution		Zero DO Solution	1.10
	109.8 → 100.1				
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	235.5 → 240				224.4
(Light's Solution)	—				—
probe too big	—				—
Temperature (°C)	13.86				23.44

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-18-10

AP

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS/600 XL	Serial Number: 01K1038AF 04J15999 AA
Brand: LaMotte	Model: 2020	Serial Number:

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.01	4	4.00		4.00	4.06
7.00	7.06	7	7.00		7.00	6.97
10.00	9.89	10	10.00		10.00	9.97
Turbidity (NTUs)						
0			0		0	~~9~~ AP
1	0.85	1.00	1		1	1.1
10	10	10	10		10	~~8.7~~ 9.8
Conductivity						
10 µS/cm	9.7	10.0	10 µS/cm		10 µS/cm	9.2
10 mS/cm	8.2	8.6	10 mS/cm		10 mS/cm	7.8
Dissolved Oxygen (mg/L)						
Zero DO Solution		~~0.83~~ AP -1.49 0.	Zero DO Solution		Zero DO Solution	0.06
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)		243.8				234.1
(Light's Solution)		429.9				439.7
Temperature (°C)		17.50				17.11

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-18-10

Pete Buss

INSTRUMENT IDENTIFICATION

Brand: YSI	Model:	Serial Number:
Brand: YSI	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard	Calibration Successful		Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.11	4.00	4.00		4.00	4.28
7.00	6.98	7.00	7.00		7.00	7.07
10.00	10.20	10.04	10.00		10.00	10.02
Turbidity (NTUs)						
0		0	0		0	
1		1.0	1		1	~~11~~ 1.6
10		10.0	10		10	~~1.6~~ 11
Conductivity						
10 µS/cm		10 11.5	10 µS/cm		10 µS/cm	8.4
10 mS/cm		8.7 10.1	10 mS/cm		10 mS/cm	7.2
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.80	Zero DO Solution		Zero DO Solution	0.26
REDOX (mV)		2270	Chart [1]		Chart [1]	
(Zobell Solution)		240.0				227.7
(Light's Solution)		451.7				460.2
Temperature (°C)		18.19				17.59

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

EC

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/18/10

DO % cal
109.4%
760.7 mm Hg

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 07A1480AC (cond) 01H1018 (ADC)
Brand: Lamotte	Model: 2020E	Serial Number: 028 10088A1

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.09	4.00	4.00		4.00	4.22
7.00	6.81	7.00	7.00		7.00	7.30
10.00	10.20	10.03	10.00		10.00	10.06
Turbidity (NTUs)						
0		0	0		0	
1		1.06	1		1	
10	14.6 →	10.00	10		10	
Conductivity						
10 µS/cm		10	10 µS/cm		10 µS/cm	10.3
10 mS/cm		8.5	10 mS/cm		10 mS/cm	8.38
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.70	Zero DO Solution		Zero DO Solution	0.44
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)		226.7/240.0				256.3
(Light's Solution)		441.2			438.7	
Temperature (°C)		17.39			17.02	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05/18/10

INSTRUMENT IDENTIFICATION

Brand: LAMOTTE 2020	Model: 2020e	Serial Number: ME 13414
Brand: YSI	Model: 600XLM	Serial Number: 05H 2025 AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.13 / 4.00	4.00		4.00	4.29
7.00	7.03 / 7.00	7.00		7.00	7.30
10.00	9.89 / 10.00	10.00		10.00	10.13
Turbidity (NTUs)					
0	0.10	0		0	
1	0.93	1		1	
10	13.30	10		10	
Conductivity					
10 µS/cm	9896 / 10000	10 µS/cm		10 µS/cm	15.6
10 mS/cm		10 mS/cm		10 mS/cm	13.2
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.18 / 105.3 / 0	Zero DO Solution		Zero DO Solution	0.32
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240.1				244.4
(Light's Solution)	426.7				470.2
Temperature (°C)	16.54				16.80

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

Corrigan

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-18-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: YSI 650 MDS	Serial Number: 06J1598
Brand: YSI	Model: 600XL	Serial Number: ~~01A0138AB~~ 01A0138AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.07	4.00	4.00		4.00	3.87
7.00 6.87	7.00	7.00		7.00	6.99
10.00 10.02		10.00		10.00	10.04
Turbidity (NTUs) 11907 Lamotte					
0	-0.69	0		0	1.67 ~~1.05~~
1 1.00	0.25	1		1	1.05
10	9.37	10		10	6.29
Finish AM Start					
Conductivity					
10 µS/cm 9661	10,001	10 µS/cm		10 µS/cm	10,166
10 mS/cm	8.7	10 mS/cm		10 mS/cm	8.7
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.78	Zero DO Solution		Zero DO Solution	0.59
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	233/239.9				228.5
(Light's Solution)	460.1				443.3
Temperature (°C)	17.26			@ 17.45°C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05/18/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 3138
Brand: YSI	Model: 600 XL-M	Serial Number: 04E8624

Turb brand- LaMotte 2020e SN: ME 10539

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.21	4	4.00		4.00	3.87
7.00	7	7	7.00		7.00	7.01
10.00	10.16	10.03	10.00		10.00	10.04
Turbidity (NTUs)						
0	0	0	0		0	
1	0.94	0.98	1		1	
10	8.86	10.07	10		10	
Conductivity						
10 µS/cm	9.7	10	10 µS/cm		10 µS/cm	9.7
10 mS/cm	8.4	8.6	10 mS/cm		10 mS/cm	8.3
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.21	Zero DO Solution		Zero DO Solution	0.21
REDOX (mV)			Chart [1]		Chart [1]	
(Zobell Solution)		225.8/240.1				238.2
(Light's Solution)		460.5				443
Temperature (°C)		17.45				17.81

Battery Dead

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 5/19/10

Pete Berton

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6000 XLm	Serial Number: Pine 9003
Brand: YSI	Model: 650 MDS	Serial Number: 06J1938AD

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.03 4.00	4.00		4.00	4.15
7.00	6.94 7.00	7.00		7.00	7.09
10.00	10.0 10.0	10.00		10.00	10.09
Turbidity (NTUs)					
0	0	0		0	/ Meter Down
1	0.91	1		1	
10	10.0	10		10	
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	9.8
10 mS/cm	83	10 mS/cm		10 mS/cm	8.9
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.29	Zero DO Solution		Zero DO Solution	0.28
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	239.9/240				199
(Light's Solution)	445.9				449.5
Temperature (°C)	16.06				1999

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 05/19/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600XLM	Serial Number: 05H2025 AB
Brand: LAMOTTE	Model: LAMOTTE 2020	Serial Number: 03357

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.00/4.00	4.00	4.00	4.00	
7.00	7.21/7.00	7.00	7.07	7.00	
10.00	10.05/10.00	10.00	9.95	10.00	
Turbidity (NTUs)					
0		0		0	
1	0.16/1	1		1	
10	9.89/10.60	10		10	
Conductivity					
10 µS/cm		10 µS/cm	10.2	10 µS/cm	
10 mS/cm	10.62/12.88	10 mS/cm	9.3	10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.07	Zero DO Solution	0.54	Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	216/240		240.9		
(Light's Solution)	484/450		463.9		
Temperature (°C)	16.49		20.18		

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 5-19-10

AP

INSTRUMENT IDENTIFICATION

750.1 mm Hg

Brand: YSI	Model: 650 MDS/600XL	Serial Number: 01K1038AF 04J15999AA
Brand: LaMotte	Model: 2020	Serial Number: 2550-1701

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.05	4	4.00		4.00	4.16
7.00	6.93	7	7.00		7.00	7.10
10.00	10.11	10.02	10.00		10.00	10.04
Turbidity (NTUs)						
0			0		0	
1	0.95	1.0	1		1	1.3
10	10	10	10		10	9.9
Conductivity						
10 µS/cm	10.1	10.0	10 µS/cm		10 µS/cm	10.2
10 mS/cm	8.5	8.4	10 mS/cm		10 mS/cm	9.3
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.38	Zero DO Solution		Zero DO Solution	0.43
REDOX (mV)		238.5	Chart [1]		Chart [1]	
(Zobell Solution)		240.0				178.3
(Light's Solution)		454.7				443.6
Temperature (°C)		15.38				20.03

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

EC

DO%
Cal

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YSI & Turbidity Meter Calibration Log

DATE: 5/19/10

INSTRUMENT IDENTIFICATION

@ 751.1 mm/HG

Brand: YSI	Model: 650 MDS	Serial Number: # 02B0008AH
Brand: LAMOTTE	Model: 2020	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.10 → 4.00	4.00		4.00	4.16
7.00	7.01 → 7.00	7.00		7.00	7.06
10.00	10.1 → 10.01	10.00		10.00	10.08
Turbidity (NTUs)					
0		0		0	0.0
1		1		1	0.65
10		10		10	11.22
Conductivity					
10 µS/cm	16.8 → 10	10 µS/cm		10 µS/cm	9.4
10 mS/cm	14.22 8.40	10 mS/cm		10 mS/cm	7.6
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	3.73
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	256.4 →				230.2
(Light's Solution)	454.2				
Temperature (°C)	16.92				19.58

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 5/14/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600XL	Serial Number: 01H1018 AA
Brand: YSI	Model: 650 MDS	Serial Number: 07A1480 AC SN-ME 1344

LaMotte 2020e

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.17 → 4.00	4.00		4.00	4.13
7.00	7.07 → 7.00	7.00		7.00	7.17
10.00	10.22 → 10.09	10.00		10.00	10.13
Turbidity (NTUs)					
0	0	0		0	0.0
1	0.64 → 1.00	1		1	0.105
10	8.18 → 10.0	10		10	11.22
Conductivity					
10 µS/cm	10.3 → 10.0	10 µS/cm		10 µS/cm	10.4
10 mS/cm	9.7 → 10.0	10 mS/cm		10 mS/cm	8.2
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.13 99.4%	Zero DO Solution		Zero DO Solution	2.26
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	229.7 → 236.9				210.8
(Light's Solution)	440.0				
Temperature (°C)	17.86				19.67

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 5-20-10

INSTRUMENT IDENTIFICATION

157.7mm Hg

Brand: YSI	Model: 600XLM	Serial Number: 05H2025
Brand: Lamotte	Model: 2020	Serial Number: 3357

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.13/4.00	4.00		4.00	4.29
7.00	6.83/7.00	7.00		7.00	7.11
10.00	10.11/10.00	10.00		10.00	9.99
Turbidity (NTUs)					
0		0		0	
1	~~9.73~~ 1.86/1.00	1		1	1.13
10	9.73/10.53	10		10	10.24
Conductivity					
10 µS/cm	10298/10000	10 µS/cm		10 µS/cm	9.9
10 mS/cm	10.2 10	10 mS/cm		10 mS/cm	9.0
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.62	Zero DO Solution		Zero DO Solution	0.17
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	279.9/240				222.8
(Light's Solution)	499/496				425.8
Temperature (°C)	14.64				20.19

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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YSI & Turbidity Meter Calibration Log

DATE: 5/20/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XL	Serial Number: 01H1018 AA
Brand: YSI	Model: 650 MDS	Serial Number: 07A1480 AC
LaMotte	2020e	SN-ME-1341 9

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.05 → 4.00	4.00		4.00	4.06
7.00	7.09 → 7.00	7.00		7.00	6.83
10.00	10.19 → 10.02	10.00		10.00	9.84
Turbidity (NTUs)					
0	0	0		0	0
1	0.77 → 1.0	1		1	1.11
10	10.16 → 10.2	10		10	11.05
Conductivity					
10 µS/cm	10.3 → 10.0	10 µS/cm		10 µS/cm	8.9
10 mS/cm	8.5 → 10.0	10 mS/cm		10 mS/cm	8.3
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.25	Zero DO Solution		Zero DO Solution	0.36
	43.6% → 99.5%				
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	149.8 → 239.9				347.4
(Light's Solution)	537.7				536.3
Temperature (°C)	16.23				19.21

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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DO % calibration = 99.2 %

YSI & Turbidity Meter Calibration Log

DATE: 5/20/10

INSTRUMENT IDENTIFICATION

Barometer Atmosphere = 754.2 mm/Hg

Brand: YSI	Model: 650 MDS	Serial Number: 02B0008A1
Brand: LaMotte	Model: 2020	Serial Number: SN-ME-13414

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.90 → 4.00	4.00		4.00	3.94
7.00	7.03 → 7.00	7.00		7.00	6.86
10.00	9.96 → 9.99	10.00		10.00	9.84
Turbidity (NTUs)					
0		0		0	0
1	0.23 → 1.00	1		1	1.11
10	10.16 → 10.00	10		10	11.00
Conductivity					
10 µS/cm	9900 / 10	10 µS/cm		10 µS/cm	9116
10 mS/cm	8.32 / 8.33	10 mS/cm		10 mS/cm	8.45
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.20	Zero DO Solution		Zero DO Solution	0.06
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	262.9 / 237.5				230.3
(Light's Solution)	417.5				419.8
Temperature (°C)	16.29				19.95

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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- Not USED -
Calibrated & Held as back up

YSI & Turbidity Meter Calibration Log

DATE: 5/20/10

INSTRUMENT IDENTIFICATION

Brand: Lamotte	Model: 2020	Serial Number: 5329-3704
Brand:	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	_____	4.00	_____	4.00	_____
7.00	_____	7.00	_____	7.00	_____
10.00	_____	10.00	_____	10.00	_____
Turbidity (NTUs)					
0	_____	0	_____	0	_____
1	1.00	1	_____	1	_____
10	10.04	10	_____	10	_____
Conductivity					
10 µS/cm	_____	10 µS/cm	_____	10 µS/cm	_____
10 mS/cm	_____	10 mS/cm	_____	10 mS/cm	_____
Dissolved Oxygen (mg/L)					
Zero DO Solution	_____	Zero DO Solution	_____	Zero DO Solution	_____
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	_____	_____	_____	_____	_____
(Light's Solution)	_____		_____		_____
	_____		_____		_____
Temperature (°C)	_____		_____		_____

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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— Not used — Back up Calibration upon Rec't only —

YSI & Turbidity Meter Calibration Log

DATE: 5/20/2010

INSTRUMENT IDENTIFICATION

Brand: Lamotte	Model: 2020	Serial Number: 2523-1501
Brand:	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	_____	4.00	_____	4.00	_____
7.00	_____	7.00	_____	7.00	_____
10.00	_____	10.00	_____	10.00	_____
Turbidity (NTUs)					
0	_____	0	_____	0	_____
1	1.01	1	_____	1	_____
10	9.99	10	_____	10	_____
Conductivity					
10 µS/cm	_____	10 µS/cm	_____	10 µS/cm	_____
10 mS/cm	_____	10 mS/cm	_____	10 mS/cm	_____
Dissolved Oxygen (mg/L)					
Zero DO Solution	_____	Zero DO Solution	_____	Zero DO Solution	_____
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	_____	_____	_____	_____	_____
(Light's Solution)	_____		_____		_____
	_____		_____		_____
Temperature (°C)	_____		_____		_____

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 5-20-10

AT

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650MDS/600XL	Serial Number: 01K1038AF 04J15999AA
Brand: LaMotte	Model: 2020	Serial Number: 2550-1701

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.05	4.00	4.00		4.00	3.97
7.00	7.13	7.00	7.00		7.00	6.85
10.00	10.03	10.00	10.00		10.00	9.85
Turbidity (NTUs)						
0			0		0	
1	1.0	1.0	1		1	1.4
10	9.7	10	10		10	11
Conductivity		10.0				
10 µS/cm	10.4	~~10.4~~ AT	10 µS/cm		10 µS/cm	9.8
10 mS/cm	8.7	8.7	10 mS/cm		10 mS/cm	9.1
Dissolved Oxygen (mg/L)						
Zero DO Solution		-0.40	Zero DO Solution		Zero DO Solution	-0.95
REDOX (mV)		234.1	Chart [1]		Chart [1]	
(Zobell Solution)		240.2				235.5
(Light's Solution)		451.8				447.4
Temperature (°C)		16.02				21.61

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

Garrigan

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-21-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J1598AB
Brand: YSI Sonde	Model: 600-XL	Serial Number: 01A0138AB

CALIBRATION RECORD

1830 MW JR

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.99	4.00	4.00		4.00	4.03
7.00 7.02	7.00	7.00		7.00	6.95
10.00 9.93	9.99	10.00		10.00	9.88
Turbidity (NTUs) 11907					
0	-0.67	0		0	-0.72
1	0.13	1		1	0.41
10	11.3	10		10	11.0
Conductivity					
10 µS/cm	10,023	10 µS/cm		10 µS/cm	9897
10 mS/cm	7.9	10 mS/cm		10 mS/cm	8.6
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.80	Zero DO Solution		Zero DO Solution	0.46
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	255/240				176.0
(Light's Solution)	430.9				426.2
Temperature (°C)	13.63				21.68

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05/21/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 XLM	Serial Number: 05H2025 AB
Brand: LAMOTTE	Model: ~~05H2025 AB~~ 2020	Serial Number: 5885-2305

CALIBRATION RECORD

0630 - 0730 — 11AM

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.12/4.00	4.00		4.00	4.04
7.00	7.14/7.00	7.00		7.00	6.95
10.00	~~10.00/10.00~~	10.00		10.00	9.97
Turbidity (NTUs)					
0	1.15/0	0		0	
1	~~1.15/0~~	1		1	1.29
10	10.20/10	10		10	9.96
Conductivity					
10 µS/cm	9310/10,000	10 µS/cm		10 µS/cm	10,021
10 mS/cm	9.3 10	10 mS/cm		10 mS/cm	91.07
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.08	Zero DO Solution		Zero DO Solution	0.25
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	238.7/240.0				230.8
(Light's Solution)	412.5				416.6
Temperature (°C)	13.65				16.72

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-21-10

AP

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS/600XL	Serial Number: 04J15999AA
Brand: LaMotte	Model: 2020	Serial Number: 01K1038AF

CALIBRATION RECORD

Morning Calibration			Afternoon Check		Evening Check	
Standard		Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)						
4.00	4.23	4.00	4.00		4.00	4.01
7.00	6.80	7.00	7.00		7.00	7.03
10.00	10.20	10.02	10.00		10.00	10.05
Turbidity (NTUs)						
0			0		0	
1	1.1	1.0	1		1	1.1
10	10	10	10		10	11
Conductivity						
10 µS/cm	9.8	10.0	10 µS/cm		10 µS/cm	9.8
10 mS/cm	7.6	7.8	10 mS/cm		10 mS/cm	8.6
Dissolved Oxygen (mg/L)						
Zero DO Solution		0.06	Zero DO Solution		Zero DO Solution	-0.17
REDOX (mV)		245.6	Chart [1]		Chart [1]	
(Zobell Solution)		240.0				242.4
(Light's Solution)		434.1				431.8
Temperature (°C)		13.72				18.48

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05-21-2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650MDS	Serial Number: 3138
Brand: YSI	Model: 600XL-M	Serial Number: 04E8624

Turb. LaMotte 2020e SN:ME-10539

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.90	4	4.00		4.00	4.09
7.00 7.10	7	7.00		7.00	6.91
10.00 9.80	9.98	10.00		10.00	9.81
Turbidity (NTUs)					
0		0		0	
1 0.60	0.78	1		1	0.82
10 12.2	9.83	10		10	9.97
Conductivity					
10 µS/cm 9.7	10	10 µS/cm		10 µS/cm	9.9
10 mS/cm 7.6	7.9	10 mS/cm		10 mS/cm	8.7
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.15		Zero DO Solution		Zero DO Solution	0.83
REDOX (mV) 253.7/240.0		Chart [1]		Chart [1]	
(Zobell Solution)					259.6
(Light's Solution) 463					457.9
Temperature (°C) 14.17					18.81

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/21/10

Pete Burton

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J1938 AD
Brand: YSI	Model: 600 XLM	Serial Number: 9003

LaMotte ME1890L

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.08 4.00	4.00		4.00	4.14
7.00	7.08 7.00	7.00		7.00	6.96
10.00	10.10 10.02	10.00		10.00	9.81
Turbidity (NTUs)					
0	0	0		0	-1.15
1	1.0	1		1	-0.23
10	10.0	10		10	2.54
Conductivity					
10 µS/cm	16.0	10 µS/cm		10 µS/cm	9.6
10 mS/cm	7.7	10 mS/cm		10 mS/cm	8.4
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.09	Zero DO Solution		Zero DO Solution	0.48
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	235.4 240				248
(Light's Solution)	448.5				453
Temperature (°C)	13.80				18.38

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

CT

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YSI & Turbidity Meter Calibration Log

DATE: 5/21/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XL	Serial Number: 01H1018
Brand: YSI	Model: 650 MDS	Serial Number: 07A1480 AC
LaMotte	2020e	SN-ME-13414

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.31 → 4.05	4.00		4.00	4.06
7.00	6.96 → 7.00	7.00		7.00	6.97
10.00	10.09 → 10.03	10.00		10.00	10.05
Turbidity (NTUs)					
0	0	0		0	0
1	0.68 → 1.0	1		1	0.73
10	8.77 → 10.0	10		10	9.50
Conductivity					
10 µS/cm	9.0 → 10.0	10 µS/cm		10 µS/cm	9.0
10 mS/cm	7.2 → 10.0	10 mS/cm		10 mS/cm	8.0
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.32	Zero DO Solution		Zero DO Solution	0.42
	55.0 → 100.2				
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	336.2 → 240.1				243.4
(Light's Solution)	424.0				456.8
Temperature (°C)	15.24				19.18

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

CT

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YSI & Turbidity Meter Calibration Log

DATE: 5/24/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600XL	Serial Number: 02D1015 AA
Brand: YSI	Model: 650 MDS	Serial Number: 02B0008 A1
LaMotte	2020e	SN-ME-13414

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.17 → 4.00	4.00		4.00	3.85
7.00	7.06 → 7.00	7.00		7.00	6.71
10.00	10.17 → 10.02	10.00		10.00	9.72
Turbidity (NTUs)					
0	0	0		0	0
10	12.7 → 10	1		1	1.72
1	1.89 → 1	10		10	11.2
Conductivity					
10 µS/cm	9.2 → 10	10 µS/cm		10 µS/cm	9.2
10 mS/cm	7.9 → 9.7	10 mS/cm		10 mS/cm	9.2
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.31	Zero DO Solution		Zero DO Solution	0.45
	73.5 → 101.5				
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	230.2 → 240.2				181.4
(Light's Solution)	467.5				456.7
Temperature (°C)	14.92				19.21

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

Garrigan

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YSI & Turbidity Meter Calibration Log

DATE: 5-24-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650-MDS	Serial Number: 06J1598AE
Brand: YSI	Model: 600-XL	Serial Number: 01A0138AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.03	4.00	4.00		4.00	4.05
7.00 6.97	7.00	7.00		7.00	7.07
10.00 9.98		10.00		10.00	9.87
Turbidity (NTUs)					
0 ~~0.00~~	0.00	0		0	<0.30
1 ~~0.78~~	0.78	1		1	0.20
10	12.0	10		10	10.93
Conductivity					
10 µS/cm 9723	10,000	10 µS/cm		10 µS/cm	9866
10 mS/cm	8.5	10 mS/cm		10 mS/cm	9.7
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.95	Zero DO Solution		Zero DO Solution	0.88
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution) ~~131~~ 229 / 240					227
(Light's Solution)	421				408.7
Temperature (°C)	17.49			@ 23.30°C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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J.R.

YSI & Turbidity Meter Calibration Log

DATE: 05/24/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XLM	Serial Number: 05H2025
Brand: LAMOTTE	Model: 2020	Serial Number: 06 097

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.04/4.00	4.00		4.00	4.32
7.00	6.96/7.00	7.00		7.00	7.18
10.00	10.01/10.00	10.00		10.00	9.97
Turbidity (NTUs)					
0	0.00	0		0	-4.17
1	/	1		1	-3.13
10	9.98	10		10	5.77
Conductivity					
10 µS/cm	9647/10000	10 µS/cm		10 µS/cm	9477
10 mS/cm	8.58	10 mS/cm		10 mS/cm	9.1
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.37	Zero DO Solution		Zero DO Solution	0.39
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	230.7/240				222.9
(Light's Solution)	437.				402.3
Temperature (°C)	17.47			@ 22.34 °C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05/24/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 3138
Brand: YSI	Model: 600XL-M	Serial Number: 04E8624

Turb. LaMotte 2020e SN: ME-10539

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.00	4	4.00		4.00	4.16
7.00 7	7	7.00		7.00	6.97
10.00 9.94	9.99	10.00		10.00	9.86
Turbidity (NTUs)					
0		0		0	
1 1.66	1	1		1	0.90
10 6.66	10	10		10	9.83
Conductivity					
10 µS/cm 9.6	10	10 µS/cm		10 µS/cm	9.8
10 mS/cm 8.2	8.6	10 mS/cm		10 mS/cm	9.7
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.57		Zero DO Solution		Zero DO Solution	0.00
REDOX (mV) 254.2 / 240		Chart [1]		Chart [1]	
(Zobell Solution)					240.0
(Light's Solution) 413					413
Temperature (°C) 17.11					23.65

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

EC DO % cal. = 100.7%

Barometer = 765.3 mm/Hg

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YSI & Turbidity Meter Calibration Log

DATE: 5/24/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 97A1480 MC
Brand: LaMotte	Model: 2020	Serial Number: 5309-3704

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.03 / 4.00	4.00		4.00	3.98
7.00	6.87 → 7.00	7.00		7.00	6.82
10.00	10.11 / 10.02	10.00		10.00	10.01
Turbidity (NTUs)					
0	0.21 → 0.00	0		0	~~1.15~~ 0.27
1	0.54 → 1.00	1		1	1.13
10	9.85 → 10.00	10		10	10.13
Conductivity					
10 µS/cm	9333 / 10,000	10 µS/cm		10 µS/cm	9673
10 mS/cm	8.39 / 8.58	10 mS/cm		10 mS/cm	8.21
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.03	Zero DO Solution		Zero DO Solution	0.51
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	237.5				222.6
(Light's Solution)	427.2				412.9
Temperature (°C)	17.64				15.26

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

CT

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YSI & Turbidity Meter Calibration Log

DATE: 5/25/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 01H1018 AA	Serial Number: 600XC
Brand: YSI	Model: 07A1480 AC	Serial Number: 650 MDS
LaMotte	2020	2550 - 1701

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.19 → 4.00	4.00		4.00	4.26
7.00	6.72 → 7.00	7.00		7.00	6.96
10.00	10.30 → 10.04	10.00		10.00	10.01
Turbidity (NTUs)					
0	--	0		0	--
1	0.65 → 1.0	1		1	1.07
10	11.6 → 10.0	10		10	10.01
Conductivity					
10 µS/cm	10.7 10.0	10 µS/cm		10 µS/cm	9856
10 mS/cm	9.6 → 9.9	10 mS/cm		10 mS/cm	8.89
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.57	Zero DO Solution		Zero DO Solution	0.25
	292.4 → 100.1				
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	296.7 → 240.2				243.6
(Light's Solution)	433.4				426.8
Temperature (°C)	19.71				21.69

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

Kendall

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05/25/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 x-LM	Serial Number: 05H2025
Brand: Lamotte	Model: 2020	Serial Number: 5885-2305

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.97 / 4.00	4.00		4.00	4.17
7.00	7.02 / 7.00	7.00		7.00	6.91
10.00	9.90 / 9.99	10.00		10.00	10.11
Turbidity (NTUs)					
0	✓	0		0	
1	1.06 / 1.00	1		1	1.23
10	9.81	10		10	9.98
Conductivity					
10 µS/cm	10001	10 µS/cm		10 µS/cm	9678
10 mS/cm	9.68	10 mS/cm		10 mS/cm	9.23
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.43	Zero DO Solution		Zero DO Solution	1.41
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	226.5 / 240				248.6
(Light's Solution)	434				448.1
Temperature (°C)	18.86				21.62

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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DO% calibration = 100.2 %

EC

YSI & Turbidity Meter Calibration Log

DATE: 5/25/10

Barometer = 761.6 mm/HG

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 01K1039AF
Brand: LaMotte	Model: 2020	Serial Number: 5329-3704

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.99/4.00	4.00		4.00	3.81
7.00	7.01/7.00	7.00		7.00	6.92
10.00	10.09/10.01	10.00		10.00	10.00
Turbidity (NTUs)					
0	0.27/1.00	0		0	0.11
1	1.17/1.00	1		1	1.19
10	9.26/10.00	10		10	9.82
Conductivity					
10 µS/cm	8069/10,000	10 µS/cm		10 µS/cm	9856
10 mS/cm	8.71/10	10 mS/cm		10 mS/cm	8.47
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.21	Zero DO Solution		Zero DO Solution	0.22
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240.0				231.7
(Light's Solution)	431.4				429.8
Temperature (°C)	19.18				21.38

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/25/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600XL	Serial Number: 02D1015AA
Brand:	Model:	Serial Number:

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00		4.00		4.00	3.91
7.00		7.00		7.00	6.62
10.00		10.00		10.00	9.65
Turbidity (NTUs)					
0		0		0	
1		1		1	
10		10		10	
Conductivity					
10 µS/cm		10 µS/cm		10 µS/cm	
10 mS/cm		10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution		Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)				228.5	
(Light's Solution)					
Temperature (°C)					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

Garrigan

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-25-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J1598 AE
Brand: YSI	Model: 600 XL	Serial Number: 01A0138 AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.98	4.00	4.00		4.00	3.95
7.00 7.18	7.00	7.00		7.00	6.86
10.00 9.74	9.99	10.00		10.00	9.84
Turbidity (NTUs)					
0 ~~0.00~~	0.00	0		0	-0.42
1	0.53	1		1	0.57
10	11.5	10		10	11.6
Conductivity					
10 µS/cm 9895	9995	10 µS/cm		10 µS/cm	9922
10 mS/cm 8.9	9.0	10 mS/cm		10 mS/cm	9.3
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.48	Zero DO Solution		Zero DO Solution	0.05
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	212.4/239.9				233.6
(Light's Solution)	421				463
Temperature (°C)	20.01			@ 21.04 °C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 05-25-2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 3138
Brand: YSI	Model: 600XL-M	Serial Number: 04E8624

Turb. Lamotte 2020e SN: ME-10539

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.14	4	4.00		4.00	4.07
7.00 7.04	7	7.00		7.00	6.92
10.00 10.07	10.01	10.00		10.00	9.90
Turbidity (NTUs)					
0		0		0	
1 0.87	0.91	1		1	0.70
10 11.3	9.85	10		10	10.73
Conductivity					
10 µS/cm 9.8	10	10 µS/cm		10 µS/cm	10,180
10 mS/cm 8.8	8.9	10 mS/cm		10 mS/cm	9.5
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.05		Zero DO Solution		Zero DO Solution	0.78
REDOX (mV) 226/239.9		Chart [1]		Chart [1]	
(Zobell Solution)					234.5
(Light's Solution) 410					448.2
Temperature (°C) 20.00				@ 21.93°C	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

REMOTE

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5/26/2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XLM	Serial Number: 065864
Brand: LAMOTTE	Model: 2020	Serial Number: 5885 - 2305

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.07/4.00	4.00		4.00	4.00
7.00	~~6.90~~/7.00	7.00		7.00	6.87
10.00	~~10.02~~/10.00	10.00		10.00	9.76
Turbidity (NTUs)					
0		0		0	
1	1.16/1.00	1		1	1.23
10	9.68/10.00	10		10	9.72
Conductivity					
10 µS/cm	10020/10000	10 µS/cm		10 µS/cm	9862
10 mS/cm	8.7/9.1	10 mS/cm		10 mS/cm	9.16
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.61	Zero DO Solution		Zero DO Solution	0.63
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	234.8/240				237.5
(Light's Solution)	420.6				426
Temperature (°C)	20.53				21.37

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

Garrigan

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 5-26-10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS	Serial Number: 06J1598AE
Brand: YSI	Model: 600 XL	Serial Number: 01A0138AB

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.88	4.00	4.00		4.00	4.04
7.00 7.01	7.00	7.00		7.00	6.95
10.00 9.89	9.98	10.00		10.00	9.90
Turbidity (NTUs)					
0	-0.49	0		0	0.12
1	0.23	1		1	0.37
10	11.1	10		10	11.3
Conductivity					
10 µS/cm 9866	10,000	10 µS/cm		10 µS/cm	9975
10 mS/cm 9.7	9.0	10 mS/cm		10 mS/cm	9.2
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.39	Zero DO Solution		Zero DO Solution	0.56
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	225 / 240				339.4 / 435.0
(Light's Solution)	466				
Temperature (°C)	20.19				@ 21.38°C

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 06/07/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XL	Serial Number: 01A0138 AB
Brand: LAMOTTE	Model: 2020	Serial Number: 5916-2405

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.16/4.00	4.00		4.00	4.01
7.00	7.08/7.00	7.00		7.00	7.10
10.00	9.87/10.00	10.00		10.00	9.86
Turbidity (NTUs)					
0	X	0		0	X
1	0.85/1.00	1		1	0.86
10	10.35/100	10		10	10.05
Conductivity					
10 µS/cm	8990/0000	10 µS/cm		10 µS/cm	10.03
10 mS/cm	8.610	10 mS/cm		10 mS/cm	9505
Dissolved Oxygen (mg/L)					
Zero DO Solution	.86	Zero DO Solution		Zero DO Solution	.84
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	248/240				244
(Light's Solution)	368				386
Temperature (°C)	19.6				22.1

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

904D
705DR

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 6/7/10

SPARE

INSTRUMENT IDENTIFICATION

DMC

Brand: YSI	Model: YSI 600XL	Serial Number: 04J15999
Brand: Hamotte 2020	Model:	Serial Number: 3318-2462 (?)

Pine # 4599

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.00	4.00		4.00	
7.00	6.99	7.00		7.00	
10.00	10.00	10.00		10.00	
Turbidity (NTUs)					
0		0		0	
1	1.0	1		1	
10	10.0	10		10	
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	
10 mS/cm	10	10 mS/cm		10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.18	Zero DO Solution		Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	240	18.17 =	237.5		
(Light's Solution)	443.5				
Temperature (°C)	18.17				

DO 753.7 mm Hg 98.8%

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 06-07-2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 3250
Brand: YSI	Model: 600XL-B-M	Serial Number: 02D1015 AA

Turb. Stand - LaMotte. 2020 3138-1602

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 4.20	4	4.00		4.00	3.98
7.00 7.08	7	7.00		7.00	7.03
10.00 10.09	10.02	10.00		10.00	9.97
Turbidity (NTUs)					
0	X	0		0	
1 0.76	1	1		1	1.53
10 6.82	9.96	10		10	10.51
Conductivity					
10 µS/cm ~~7.8~~	10	10 µS/cm		10 µS/cm	10
10 mS/cm ~~6.8~~	8.6	10 mS/cm		10 mS/cm	9.84
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.14		Zero DO Solution		Zero DO Solution	0.05
REDOX (mV) 241.6 / 240		Chart [1]		Chart [1]	
(Zobell Solution)				245.9	
(Light's Solution) 368					
				Lights Solution	457.1
Temperature (°C) 19.05					

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

ARCADIS
Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 06/08/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 600 XL	Serial Number: 01A0138
Brand: Lamotte	Model: 2020	Serial Number: 5916 - 2405

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.01 / 4.00	4.00	4.52	4.00	
7.00	7.00 / 7.00	7.00	7.00	7.00	
10.00	10.08 / 10.00	10.00	9.86	10.00	
Turbidity (NTUs)					
0	✓	0	X	0	✓
1	2.01 / 1.13	1	1.42	1	
10	9.91 / 10.00	10	10.01	10	
Conductivity					
10 µS/cm	10,000	10 µS/cm	10,998	10 µS/cm	
10 mS/cm	7,996	10 mS/cm	8,692	10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.41	Zero DO Solution	.86	Zero DO Solution	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	242.6 / 240.2		212		
(Light's Solution)	468		412		
Temperature (°C)	13.61		20.48		

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 06-08-2010

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650	Serial Number: 3250
Brand: YSI	Model: 600XL-B-M	Serial Number: 02D1015 AA

Turb. Brand: LaMotte 2020 3138-1602

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00 3.95	4	4.00	3.86 Again Reset	4.00	
7.00 7.16	7	7.00	~~5.91~~ 6.83	7.00	
10.00 9.90	9.98	10.00	9.80	10.00	
Turbidity (NTUs)					
0	X	0		0	
1 1.39	1	1	0.88	1	
10 11.8	10	10	12.7	10	
Conductivity					
10 µS/cm 9.8	10	10 µS/cm	11255	10 µS/cm	
10 mS/cm 7.7	7.8	10 mS/cm	10.27	10 mS/cm	
Dissolved Oxygen (mg/L)					
Zero DO Solution 0.30		Zero DO Solution	0.62	Zero DO Solution	
REDOX (mV) 254/240.8		Chart [1]		Chart [1]	
(Zobell Solution) ↓			211.4		
(Light's Solution) 426.8			437.8		
Temperature (°C) 14.53			19.42		

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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YSI & Turbidity Meter Calibration Log

DATE: 6/29/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 6000XL	Serial Number: 02A0927AA
Brand: Lamotte	Model: 2020	Serial Number: Pkt # 06767

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.00	4.00		4.00	4.26
7.00	7.00	7.00		7.00	7.07
10.00	10.00	10.00		10.00	9.36
Turbidity (NTUs)					
0		0		0	
1	0.99	1		1	1.04
10	9.99	10		10	9.94
Conductivity					
10 µS/cm	10	10 µS/cm		10 µS/cm	9.9
10 mS/cm	9.72	10 mS/cm		10 mS/cm	10
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.15 - 0.12	Zero DO Solution		Zero DO Solution	0.12
99.7% 753.7 mm Hg					
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	231.0 ✓			Zobel	256.1
(Light's Solution)	440.4			Light	444.4
Temperature (°C)	23.0				

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 8/31/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 02A1047AB	Serial Number:
Brand: Lamotte	Model: 3318-2402	Serial Number:

CALIBRATION RECORD

Morning Calibration		**Afternoon Check**		**Evening Check**	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	4.00	4.00		4.00	4.05
7.00	7.00	7.00		7.00	6.79
10.00	9.98	10.00		10.00	9.81
Turbidity (NTUs)					
0	NA	0		1.0	0.88
1	0.99	10		10	9.82
10	10.51				
Conductivity (µmhos/cm)					
10µS/cm	10	~~1.413~~		10uS/cm ~~1.413~~	9.484
10mS/cm	10			10 mS/cm	10
Dissolved Oxygen (mg/L)					
Zero D.O. Solution	0.05	**Not Applicable**		**Not Applicable**	
REDOX (mV)		Chart [1]		Chart [1]	
(Zobel Solution)	240.2			Zobel ~~240.4~~	
Light's Solution	445.8			Lights Solution 448.8	

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 12/2/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS Display 6820 Sonde	Serial Number: 07H01445
Brand: Lamotte	Model: 2020	Serial Number: 01K0643 5721-2405

CALIBRATION RECORD

Morning Calibration		Afternoon Check		Evening Check	
Standard	Calibration Successful	Standard	Reading	Standard	Reading
pH (S.I. units)					
4.00	3.62 → 3.99	4.00		4.00	4.16
7.00	7.23 → 7.00	7.00		7.00	7.01
10.00	9.93 → 10.00	10.00		10.00	9.87
Turbidity (NTUs)					
0	100 → 99.8	0		0	
1	1.14 → 1.00	1		1	0.95
10	9.59 → 10.00	10		10	
Conductivity					
10 µS/cm	→ 7.98 10	10 µS/cm		10 µS/cm	10
10 mS/cm	→ 8.98 10	10 mS/cm		10 mS/cm	10.05
Dissolved Oxygen (mg/L)					
Zero DO Solution	~~0.08~~ 0.05	Zero DO Solution		Zero DO Solution	0.08
REDOX (mV)		10.0			
(Zobell Solution)	251 → 240	Chart [1]		Chart [1]	253.2
(~~Light's Solution~~)	~~+185.7~~ 455.7				448.3
Temperature (°C)	3.95				4.48

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Infrastructure, environment, facilities

YSI & Turbidity Meter Calibration Log

DATE: 12/3/10

INSTRUMENT IDENTIFICATION

Brand: YSI	Model: 650 MDS Display 600XL Sonde	Serial Number: 10H101445 01K0643
Brand: Lamotte	Model: 2020	Serial Number: 5921-2405

CALIBRATION RECORD

Morning Calibration Standard	Calibration Successful	Afternoon Check Standard	Reading	Evening Check Standard	Reading
pH (S.I. units)					
4.00	7.51 → 3.99	4.00		4.00	4.18
7.00	7.11 → 7.00	7.00		7.00	7.01
10.00	9.56 → 10.03	10.00		10.00	10.07
Turbidity (NTUs)					
0	— —	0		0	—
1	0.91 → 1.00	1		1	1.11
10	9.60 → 10.00	10		10	10.31
Conductivity					
~~10 µS/cm~~	10.	10 µS/cm		10 µS/cm	10
10 mS/cm	9.905 → 10	10 mS/cm		10 mS/cm	9.959
Dissolved Oxygen (mg/L)					
Zero DO Solution	0.31	Zero DO Solution		Zero DO Solution	0.11
REDOX (mV)		Chart [1]		Chart [1]	
(Zobell Solution)	tal 234.6 → 240 (10.0)				233.2
~~(Light's Solution)~~	437.1				441.2
Temperature (°C)	7.09				6.61

[1] The REDOX of the Zobel solution is temperature dependent, a chart is provided with the meter to check the reading for the appropriate temperature. REDOX must be calibrated by the manufacturer.

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Attachment C

Laboratory Analytical Reports with Chains of Custody (on CD)