SURFACE WATER AND GROUNDWATER MONITORING PROGRAM SPRING 2013 MONITORING REPORT

ARCH CHEMICALS
ROCHESTER PLANT SITE
ROCHESTER, NEW YORK

ARCH CHEMICALS, INC. (A WHOLLY-OWNED SUBSIDIARY OF LONZA)

AUGUST 2013

SURFACE WATER AND GROUNDWATER MONITORING PROGRAM SPRING 2013 MONITORING REPORT

ARCH CHEMICALS ROCHESTER PLANT SITE ROCHESTER, NEW YORK

Prepared by

AMEC Environment & Infrastructure, Inc. Portland, Maine

for

ARCH CHEMICALS, INC. (A Wholly-Owned Subsidiary of Lonza)

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EXECUTIVE SUMMARY

This monitoring report presents the results of an on-going groundwater and surface water monitoring program being conducted by Arch Chemicals at its Rochester, New York, manufacturing facility. Arch Chemicals is a wholly-owned subsidiary of Lonza, a leading supplier to the global life sciences, healthcare and pharmaceutical industries headquartered in Basel, Switzerland.

During this monitoring event conducted in May 2013, samples from a total of 53 groundwater monitoring or pumping wells and four locations associated with the Dolomite Products Quarry seep and outfall were collected and analyzed by TestAmerica in Amherst, New York.

As in prior reports, monitoring results were compared with previous average concentrations at each sampling location. Twenty-nine of the 53 monitoring wells sampled for chloropyridines had contaminant concentrations that were at or below their respective 5-year prior averages. Twenty-nine of the 40 monitoring wells sampled for volatile organic compounds had concentrations at or below their 5-year prior averages. The contaminant contour plot for chloropyridines is generally consistent with past observations. For the VOCs, the configuration of the contaminant plume has changed from past depictions due to the inclusion of chlorobenzene in the list of selected VOCs starting with this monitoring event. Concentrations, however, remain similar to or below historical measurements in most wells.

Sampling locations associated with the quarry included the main quarry seep (QS-4), the quarry ditch where the quarry dewatering discharge enters the ditch (QD-1), the quarry ditch as it enters the Erie Barge Canal (QO-2), and the surface water in the canal approximately 100-feet downstream of the quarry ditch (QO-2S1). Chloropyridines in the two ditch samples were slightly above their prior 5-year mean concentrations; however, quarry seep QS-4 was below its prior 5-year average. Chloropyridines were not detected in the canal water at sample location QO2-S1.

All accessible on-site monitoring wells were checked for the presence of dense non-aqueous phase liquids (DNAPL) and floating (or light) NAPL (LNAPL), using an interface probe. No DNAPL or LNAPL was observed in any of these wells.

During the period December 2012 through May 2013, the on-site groundwater extraction system pumped approximately 6.4 million gallons of groundwater to the on-site treatment system, containing an estimated 749 pounds of chloropyridines and 44 pounds of target volatile organic compounds. Improved mass removal was noted in extraction wells PW-13, PW-15, PW-16, and BR-127.

The facility has continued to make operational improvements to the groundwater extraction system. The new-style pump in extraction well PW-15 has been operating more reliably than the electric pump it replaced. A similar style pump was installed at well BR-127 in mid-February 2013, and that well has recently been pumping in the 4 to 6 gallons per minute (gpm) range. Flow from PW-16 has been increased from 3 gpm to approximately 5 gpm.

New well PW-17 was activated on May 27, 2013, but the yield from this well has been lower than expected. PW-17 was installed during the hydrofracturing pilot test

conducted in the fall of 2012 and the poor yield suggests that fracturing was not effective, at least in the immediate vicinity of PW-17.

The next regular monitoring event will occur in November 2013 and will include groundwater, surface water, and seep sampling.

1.0 INTRODUCTION

In accordance with the Order on Consent executed between Arch Chemicals, Inc., and the New York State Department of Environmental Conservation (NYSDEC), effective August 21, 2003, Arch is conducting a Remedial Action program at its facility on McKee Road in Rochester, New York. As part of this program, Arch conducts twice-yearly monitoring events consisting of sampling and chemical analysis of groundwater and surface water in the vicinity of the Rochester facility.

The Spring 2013 sampling event included the collection and analysis of a total of 57 groundwater, surface water, and seep samples from off-site and on-site locations. Samples were collected May 17 through 24, 2013, for analysis of selected chloropyridines and volatile organic compounds (VOCs).

This report presents the results of the Spring 2013 monitoring event.

2.0 SAMPLE COLLECTION AND ANALYSIS

2.1 GROUNDWATER

Groundwater samples were collected from off-site wells, on-site wells and piezometers for analysis of selected chloropyridines (2-chloropyridine, 2,6-dichloropyridine, 3-chloropyridine, 4-chloropyridine, pyridine, and p-fluoroaniline) and target compound list (TCL) VOCs. Samples were collected by personnel from Test America Laboratories, Inc., (TestAmerica) and transported to their lab in Amherst, New York for analysis. Table 1 lists the wells that were sampled and the requested analyses. The off-site and on-site locations of these sampling points are shown in Figures 1 and 2, respectively. Groundwater sampling data sheets are provided in Appendix A.

Groundwater was collected with the low flow/low stress purging technique from most of the wells using bladder or peristaltic pumps. Samples from active pumping wells were collected from the discharge lines.

Groundwater piezometric elevations were measured on May 16, 2013. Piezometric contour maps were constructed for each water-bearing zone (overburden, bedrock, and deep bedrock) and are presented in Figures 3, 4, and 5.

All accessible on-site monitoring wells were again checked for the presence of non-aqueous phase liquid (NAPL), using an interface probe. No dense NAPL (DNAPL) or floating (light) NAPL (LNAPL) was observed in any of these wells.

2.2 SURFACE WATER

Surface water and quarry seep samples were collected as part of the on-going monitoring program for the Arch Rochester site. The location of the quarry and its outfall in relation to the site is shown on Figure 6. Samples of the main quarry seep (QS-4), the quarry ditch where the quarry dewatering discharge enters the ditch (QD-1), the quarry ditch as it enters the Erie Barge Canal (QO-2), and the surface water in the canal approximately 100-feet

downstream of the quarry ditch (QO-2S1) were collected by TestAmerica on May 17, 2012. All quarry-related samples were analyzed for the Arch suite of selected chloropyridines. The quarry locations sampled during the Spring 2013 event are shown on Figure 7.

2.3 ANALYTICAL PROCEDURES

The analytical procedures, data review findings, and validated data for this groundwater and surface water monitoring event are discussed in the following paragraphs.

Samples were analyzed for the Arch suite of selected chloropyridines and TCL VOCs by USEPA SW-846 Methods 8270C and 8260B, respectively. The reporting limits for the chloropyridines and VOCs are approximately 10 micrograms per liter (μ g/L) and 5 to 25 μ g/L, respectively, for undiluted samples.

2.4 QUALITY CONTROL

Laboratory analytical results were reviewed and qualified following U.S. Environmental Protection Agency Contract Laboratory Program (USEPA CLP), "National Functional Guidelines for Superfund Organic Methods Data Review", June, 2008, as modified by USEPA Region II, "SOP No. HW-6 Revision 14", September 2006. Analytical results were evaluated for the following parameters:

- Collection and Preservation
- * Holding Times
- * Surrogate Recoveries
- * Blank Contamination
- Duplicates

 Laboratory Control Samples
 Matrix Spike/Matrix Spike Duplicates
 Miscellaneous

With the qualifications discussed below, results are determined to be usable as reported by the laboratory.

<u>Laboratory Control Samples (LCS)</u>. Percent recovery of 4-methyl-2-pentanone (66) in the LCS associated with a subset of samples was below the 71-125 control limits, indicating a potential low bias for 4-methyl-2-pentanone. 4-Methyl-2-pentanone was not detected in the samples, and quantitation limits for 4-methyl-2-pentanone in samples PW-12, PW-17, W-5, and B-7 were qualified as estimated (UJ).

Percent recovery of 4-methyl-2-pentanone (70) in the LCS associated with a subset of samples was below the 71-125 control limits, indicating a potential low bias for 4-methyl-2-pentanone. 4-Methyl-2-pentanone was not detected in the samples, and quantitation limits for 4-methyl-2-pentanone in samples PZ-101, PZ-102, MW-114, BR-114, BR-106, BR-105, and BR-105D were qualified as estimated (UJ).

^{* -} all criteria were met for this parameter

Matrix Spike/Matrix Spike Duplicates (MS/MSD). Percent recoveries of chloroform (66, 51) in the MS/MSD associated with sample PZ-106 were below control limits, indicating potential low biases for chloroform. In addition, the relative percent difference (RPD) between percent recoveries for chloroethane (33) was above the control limit. Chloroethane was not detected in sample PZ-106, and the quantitation limit was qualified as estimated (UJ). The positive detection of chloroform in sample PZ-106 was qualified as estimated (J) and may represent a potential low bias.

Percent recovery of chloroform (69) in the MS/MSD associated with sample BR-3 was below control limits, indicating potential a low bias for chloroform. The positive detection of chloroform in sample BR-3 was qualified as estimated (J) and may represent a potential low bias.

Percent recoveries of 4-methyl-2-pentanone (68, 69) in the MS/MSD associated with sample PW-12 were below control limits, indicating potential low biases for 4-methyl-2-pentanone. 4-Methyl-2-pentanone was not detected in sample PW-12, and the quantitation limit was qualified as estimated (UJ).

Percent recoveries of 2,6-dichloropyridine (52) and 2-chloropyridine (41, 26) in the MS/MSD associated with sample BR-106 were below control limits, indicating potential low biases for 2,6-dichloropyridine and 2-chloropyridine. The positive detections of 2,6-dichloropyridine and 2-chloropyridine in sample BR-106 were qualified as estimated (J) and may represent potential low biases.

<u>Miscellaneous</u>. Samples from a subset of wells were analyzed at dilutions due to high concentrations of volatile organic and/or semivolatile organic target analytes. Non-detects are reported at elevated reporting limits.

3.0 ANALYTICAL RESULTS

3.1 GROUNDWATER

The validated results from the Spring 2013 groundwater monitoring event are provided in Tables 2 and 3. Table 4 provides a comparison of the Spring 2013 analytical results for selected chloropyridines and VOCs in representative wells to mean concentrations of the prior five years (Spring 2008 through Fall 2012). Long term trends for both selected chloropyridines and VOCs are also presented as time-series plots for representative wells in Appendix B. A summary of the analytical findings is presented below by parameter class.

3.1.1 Chloropyridines

<u>On-Site.</u> Chloropyridines were detected above sample quantitation limits in 24 of the 25 on-site wells sampled in the Spring 2013 event. Chloropyridines were not detected in well W-5, which was one of four additional wells (along with B-4, B-5, and B-15) sampled during this event at the request of the NYSDEC. It should be noted though, that the sample from well W-5 was diluted before it was analyzed because it had historically contained very high levels of target analytes. In the remaining on-site wells, concentrations of chloropyridines

ranged from 16 micrograms per liter (μ g/L) (sum of all chloropyridine and pyridine isomer concentrations) in monitoring well E-3 to 260,000 μ g/L in monitoring well B-17. Eleven of the on-site wells exhibited total chloropyridine concentrations that were above their respective means from monitoring events over the previous five years (see Table 4). Six of those were active pumping wells.

<u>Off-Site.</u> Chloropyridines were detected above sample quantitation limits in 23 of the 28 off-site wells that were sampled. Concentrations of total selected chloropyridines ranged from non-detect (in wells BR-104, BR-116, MW-103, MW-104, and NESS-W) to 11,000 μg/L in well PZ-103 on the west side of McKee Road. Nine of the off-site wells contained total chloropyridine concentrations above their respective 5-year prior means (see Table 4).

<u>Concentration Contours</u>. Chloropyridine distribution in groundwater is shown as a set of concentration contours on Figure 8. The contours were developed using data from both overburden and bedrock monitoring wells.

3.1.2 Selected VOCs.

<u>On-Site.</u> Selected VOCs were detected in all 25 on-site wells sampled in the Spring 2013 event. Total concentrations of selected VOCs ranged from 0.8 μ g/L (in well E-3) to 690,000 μ g/L in PZ-106 for the sum of the principal site-related contaminants. At the request of the NYSDEC, starting with this monitoring report chlorobenzene has been included as a selected VOC, along with the VOCs carbon tetrachloride, chloroform, methylene chloride, tetrachloroethene, and trichloroethene, included in prior reporting. Seven of the on-site wells contained concentrations of total VOCs above their 5-year prior means (see Table 4). Five of those were active pumping wells.

In addition to the selected VOCs, other notable constituents detected in multiple on-site wells include toluene (in 14 out of 25 wells), benzene (11 of 25), carbon disulfide (10 of 25), 1,2-dichloroethene (9 of 25), vinyl chloride (7 of 25), total xylenes (5 of 25), bromoform (3 of 25), acetone (3 of 25), and 1,1-dichloroethane (2 of 25).

<u>Off-Site.</u> Selected VOCs were detected in 10 of the 15 off-site wells sampled for VOCs in the Spring 2013 event. The total concentration of selected VOCs ranged from non-detect (in wells BR-103, BR-126, MW-103, PZ-101, and B-15) to 530 μ g/L in PZ-103. Five of the off-site wells contained concentrations of total VOCs above their 5-year prior means (see Table 4).

In addition to the selected VOCs, other notable constituents detected in multiple off-site wells include benzene (in 10 out of 15 wells), carbon disulfide (3 of 15), 1,2-dichloroethene (2 of 15), vinyl chloride (2 of 15), and 1,1-dichloroethane (2 of 15).

<u>Concentration Contours</u>. The distribution of selected VOCs in groundwater is shown as a set of concentration contours on Figure 9. These contours were developed using both overburden and bedrock groundwater data, and are dashed where approximated using historical data. The inclusion of chlorobenzene in the total concentration of selected VOCs has altered the shape of the VOC groundwater plume somewhat, in comparison to previous interpretations. Concentrations, however, remain similar to or below historical measurements in most wells.

3.2 SURFACE WATER

Results from the Spring 2013 canal and quarry monitoring event are presented in Table 5, and summarized below.

3.2.1 Quarry

One quarry seep (QS-4) was sampled in the Spring 2013 monitoring event. The sample contained 63 µg/L total chloropyridines, which is below its prior 5-year mean.

3.2.2 Quarry Discharge Ditch

Two locations within the quarry discharge ditch were sampled and analyzed for chloropyridines: QD-1, at the point where the quarry's dewatering discharge enters the ditch; and QO-2, at the location where the ditch discharges to the canal. Low levels of chloropyridine-related compounds were detected in these two ditch samples at estimated values of 6.5 μ g/L and 7.7 μ g/L, respectively. Both were slightly above their prior 5-year means.

3.2.3 Barge Canal

One sample was collected from the Erie Barge Canal location (QO-2S1, approximately 100 feet downstream of QO-2). Chloropyridines were not detected in this sample.

4.0 EXTRACTION SYSTEM PERFORMANCE AND MAINTENANCE

Table 6 is a summary of the system flow measurements for the on-site extraction wells from December 2012 through May 2013. The total volume pumped during the six-month period was approximately 6.4 million gallons.

The facility has continued to make operational improvements to the groundwater extraction system. The new-style pump (QED AutoPump Model AP4+) in extraction well PW-15 has been operating more reliably than the electric pump it replaced, although the well is still experiencing issues with scaling. The scale appears to be primarily calciumbased, and can be removed with commercial lime removal chemicals. A similar style pump was installed at well BR-127 in mid-February 2013, and that well has recently been pumping in the 4 to 6 gallons per minute (gpm) range. Flow from PW-16 has been increased from 3 gpm to approximately 5 gpm. Also, new well PW-17 was activated on May 27, 2013, but the yield from this well has been lower than expected. PW-17 was installed during the hydrofracturing pilot test and the poor yield suggests that fracturing was not effective, at least in the immediate vicinity of PW-17.

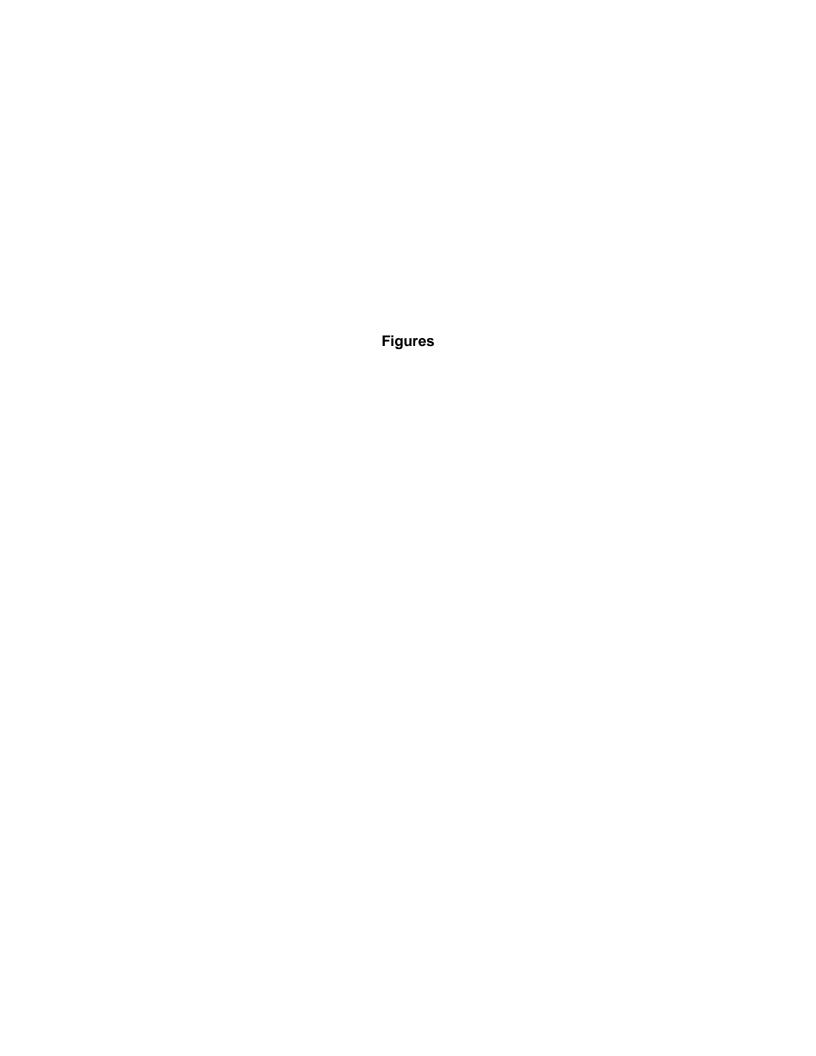
Table 7 provides a calculation of mass removal rates since the previous groundwater monitoring event (i.e., from June 2012 through November 2012). Arch estimates that approximately 44 pounds of target VOCs and 749 pounds of chloropyridine compounds were removed by the groundwater extraction system and treated by the plant's activated

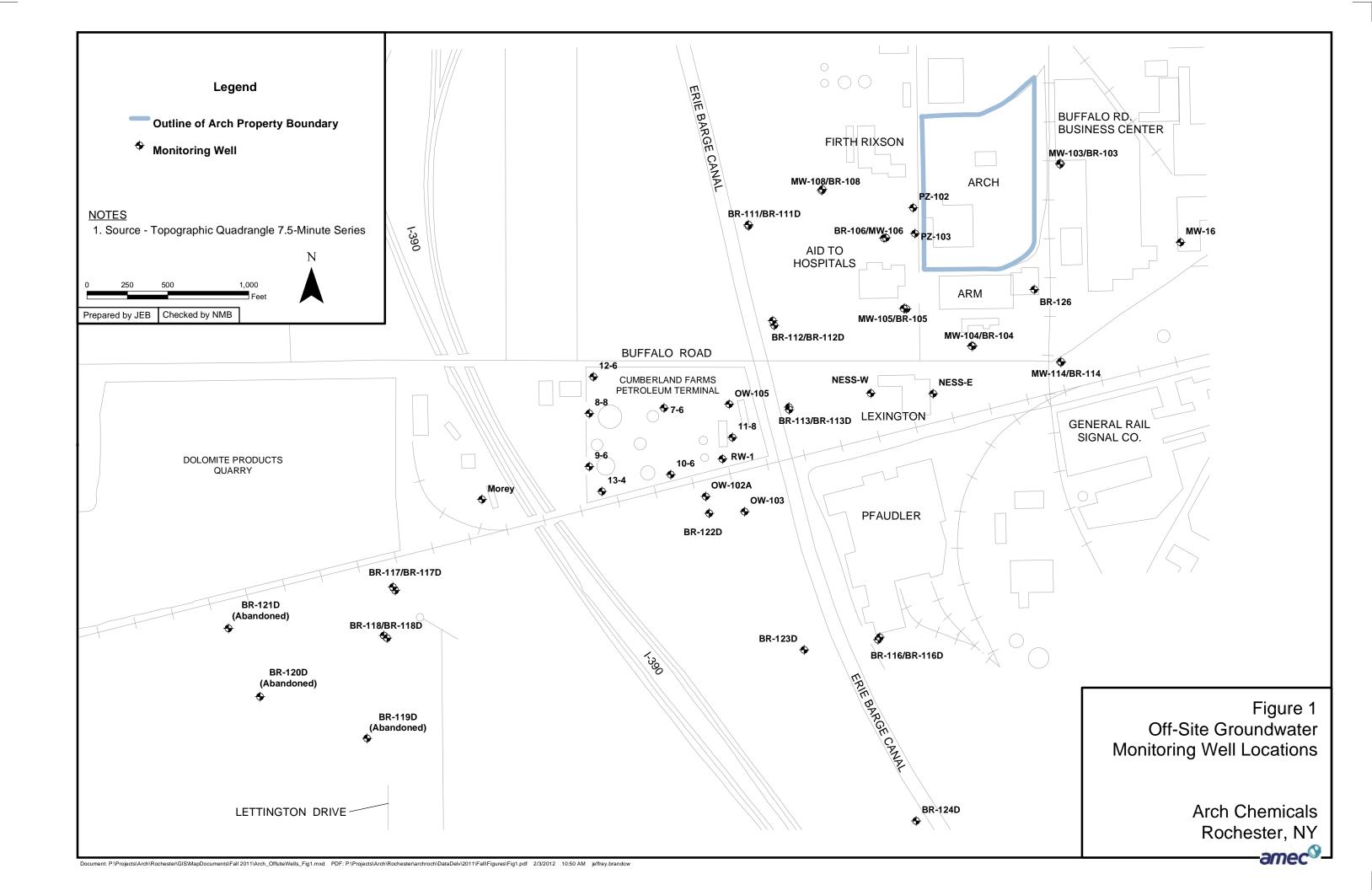
carbon adsorption units over that time period. Improved mass removal was noted in extraction wells PW-13, PW-15 and PW-16, and from the re-activation of BR-127.

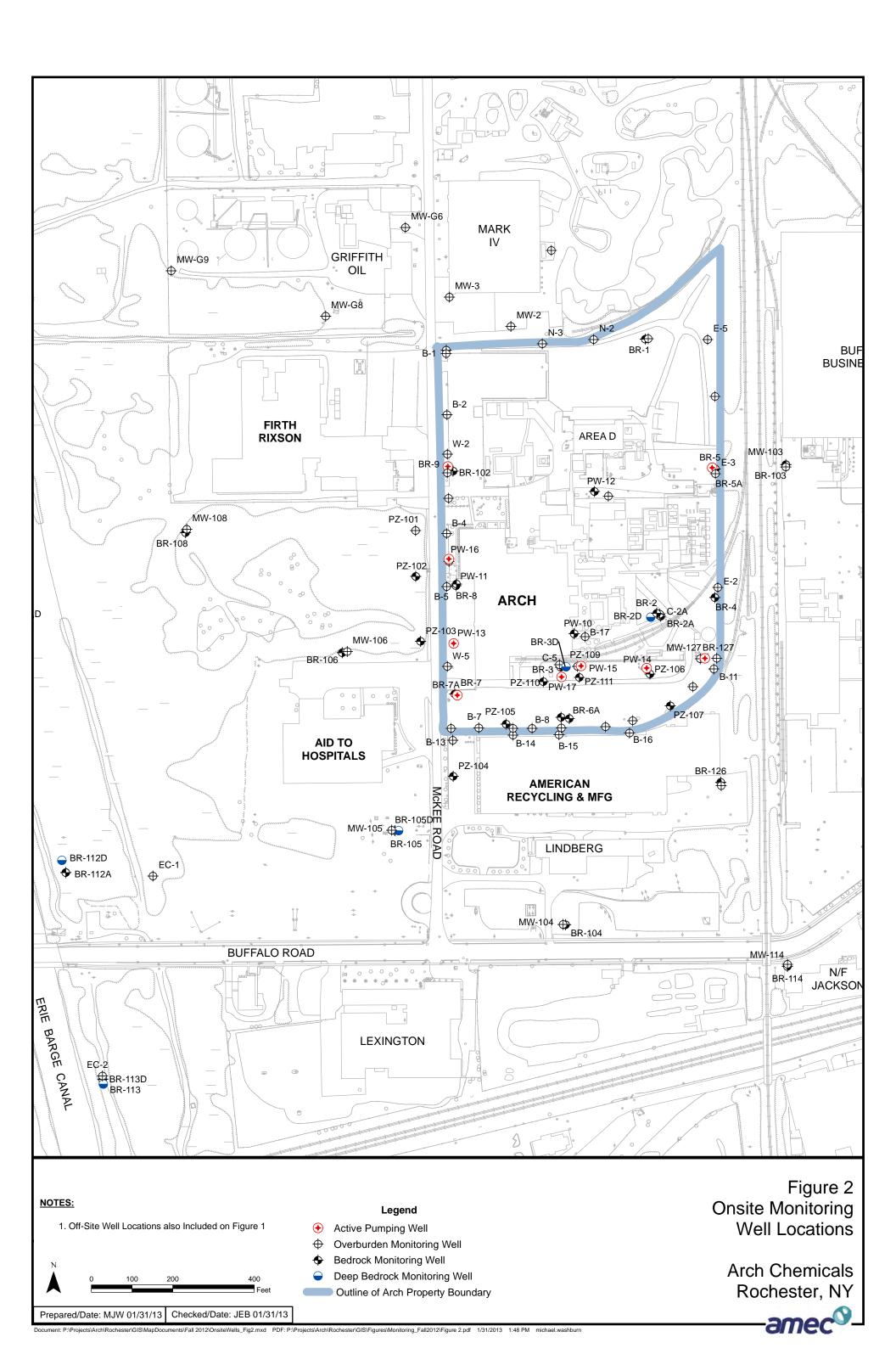
5.0 NEXT MONITORING EVENT

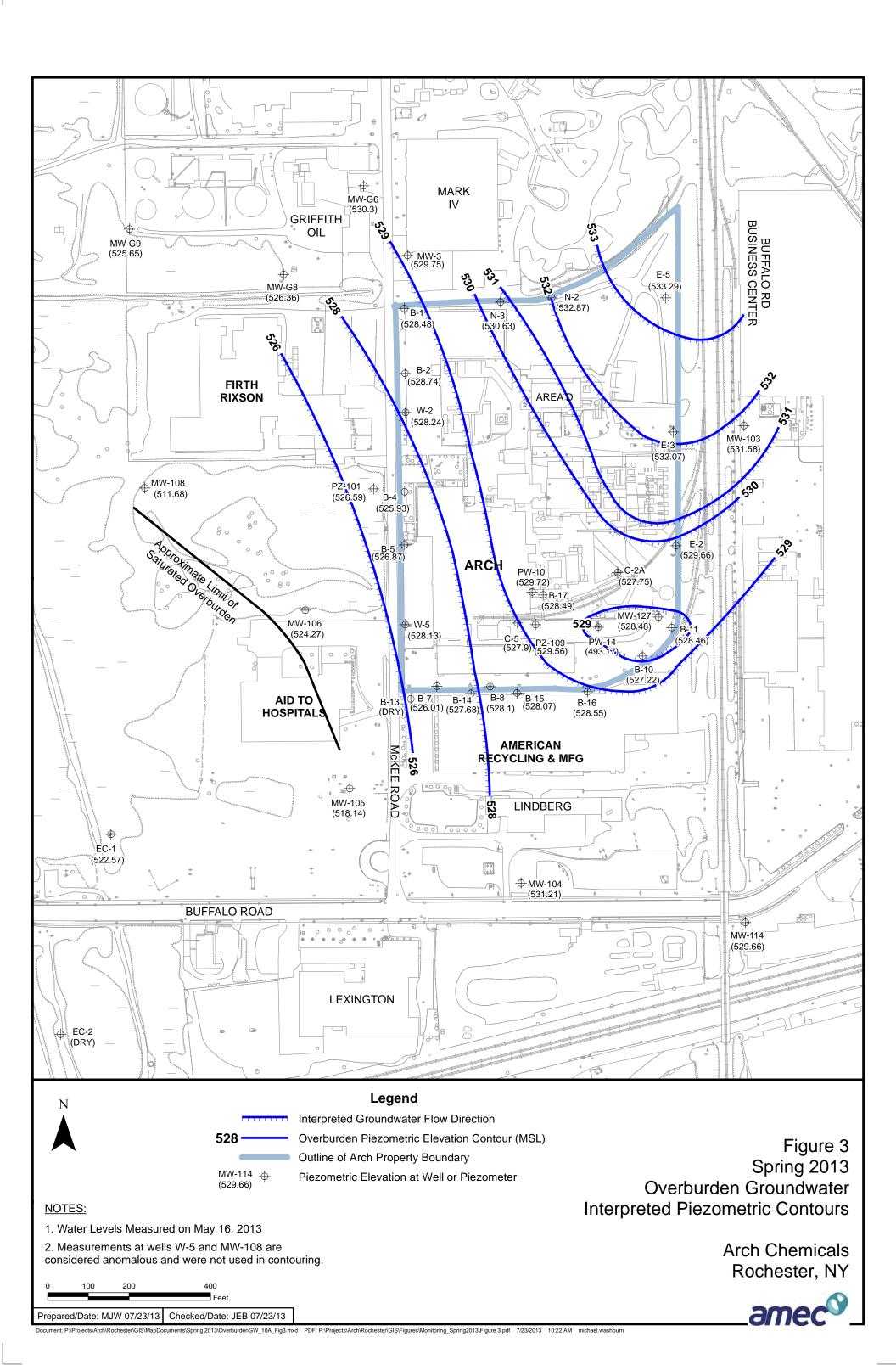
The next regular monitoring event will occur in November 2013 and will include groundwater, surface water, and seep sampling.

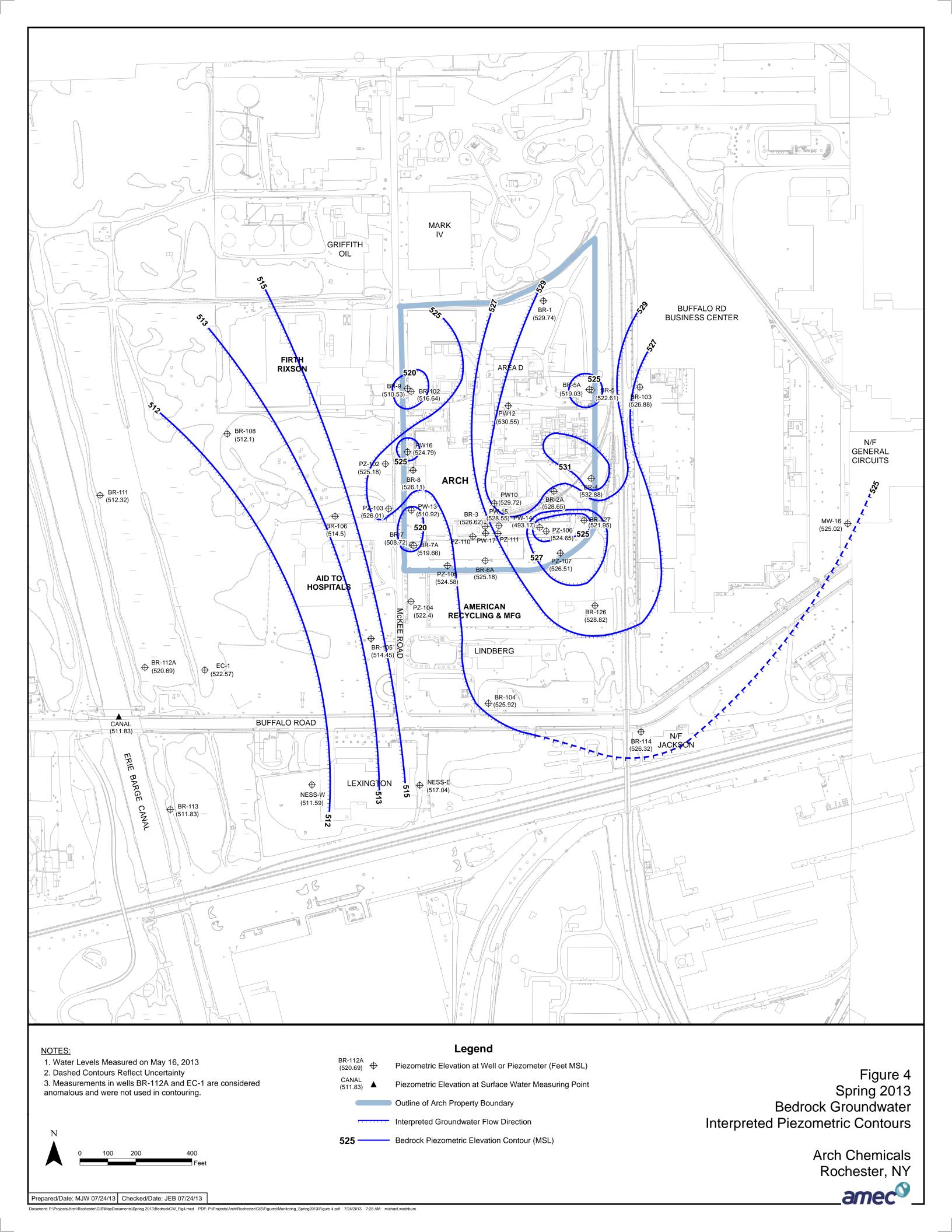
Table 8 shows the current monitoring program for the Arch Rochester site.

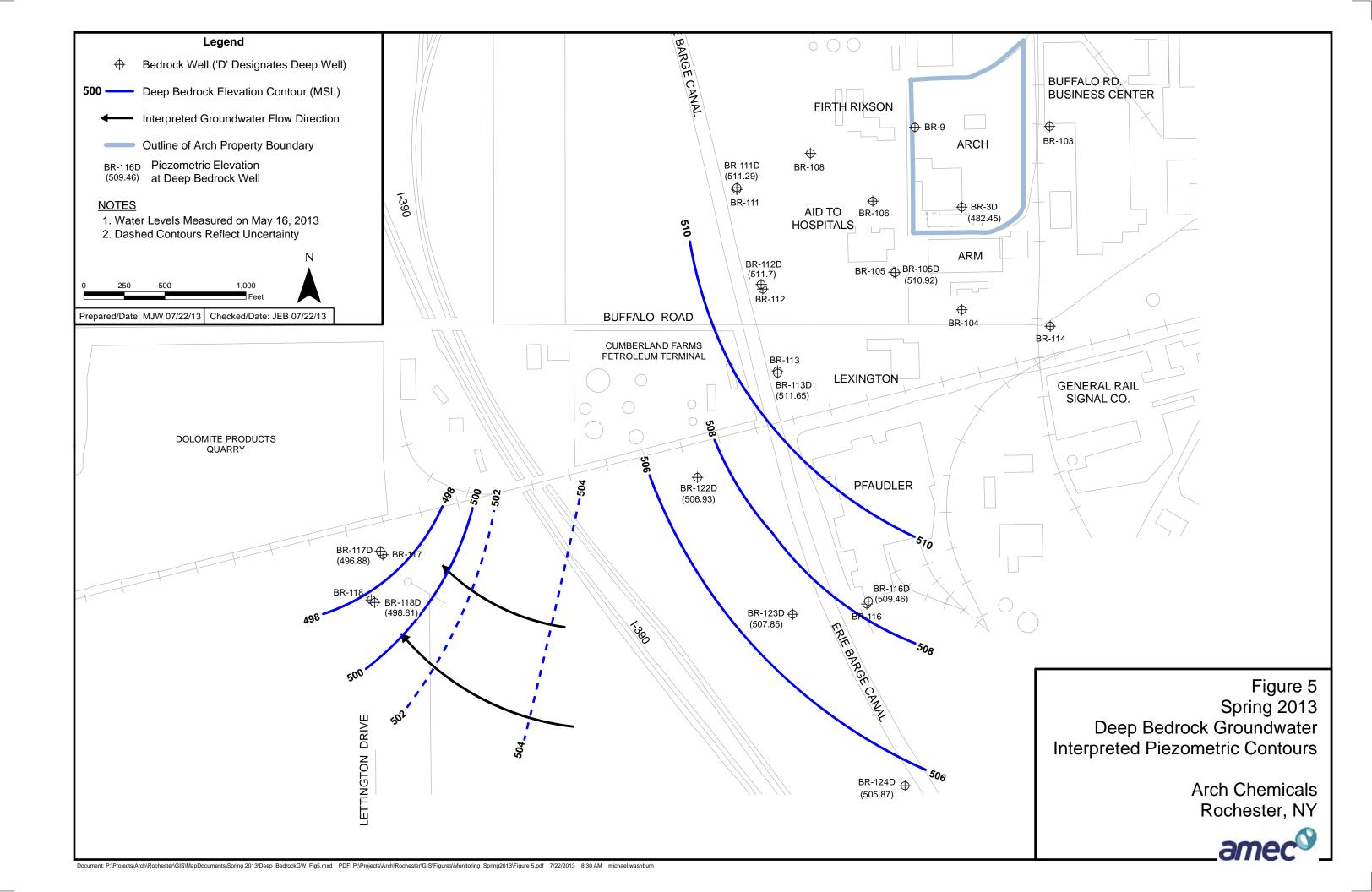


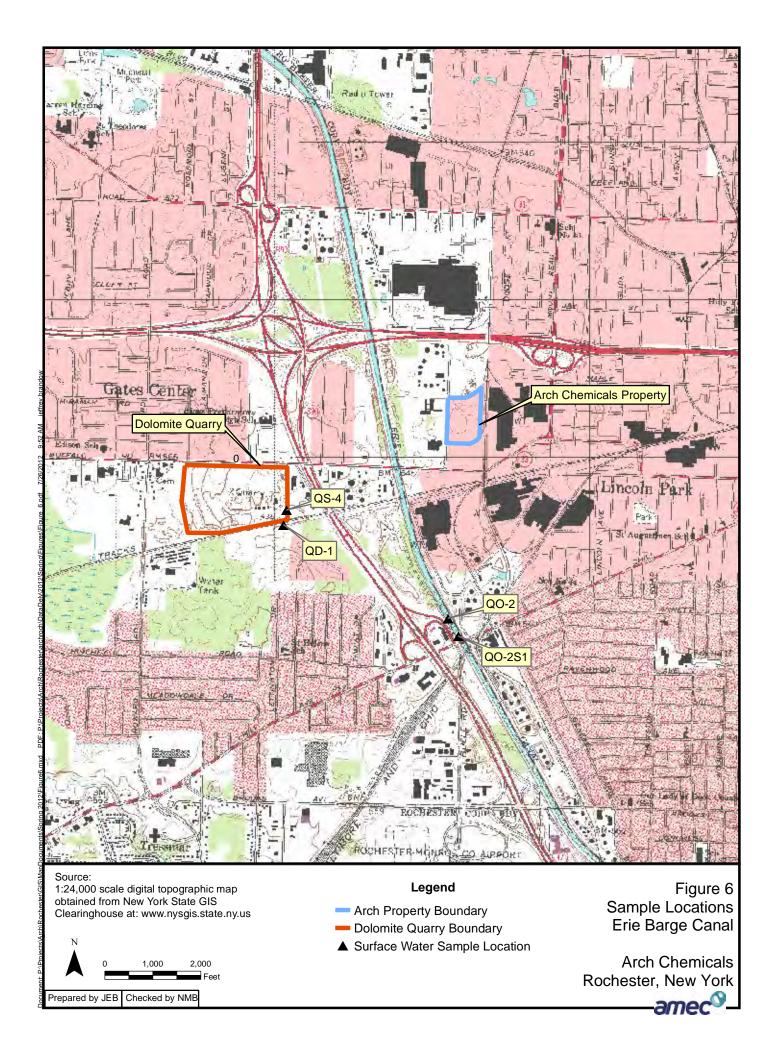


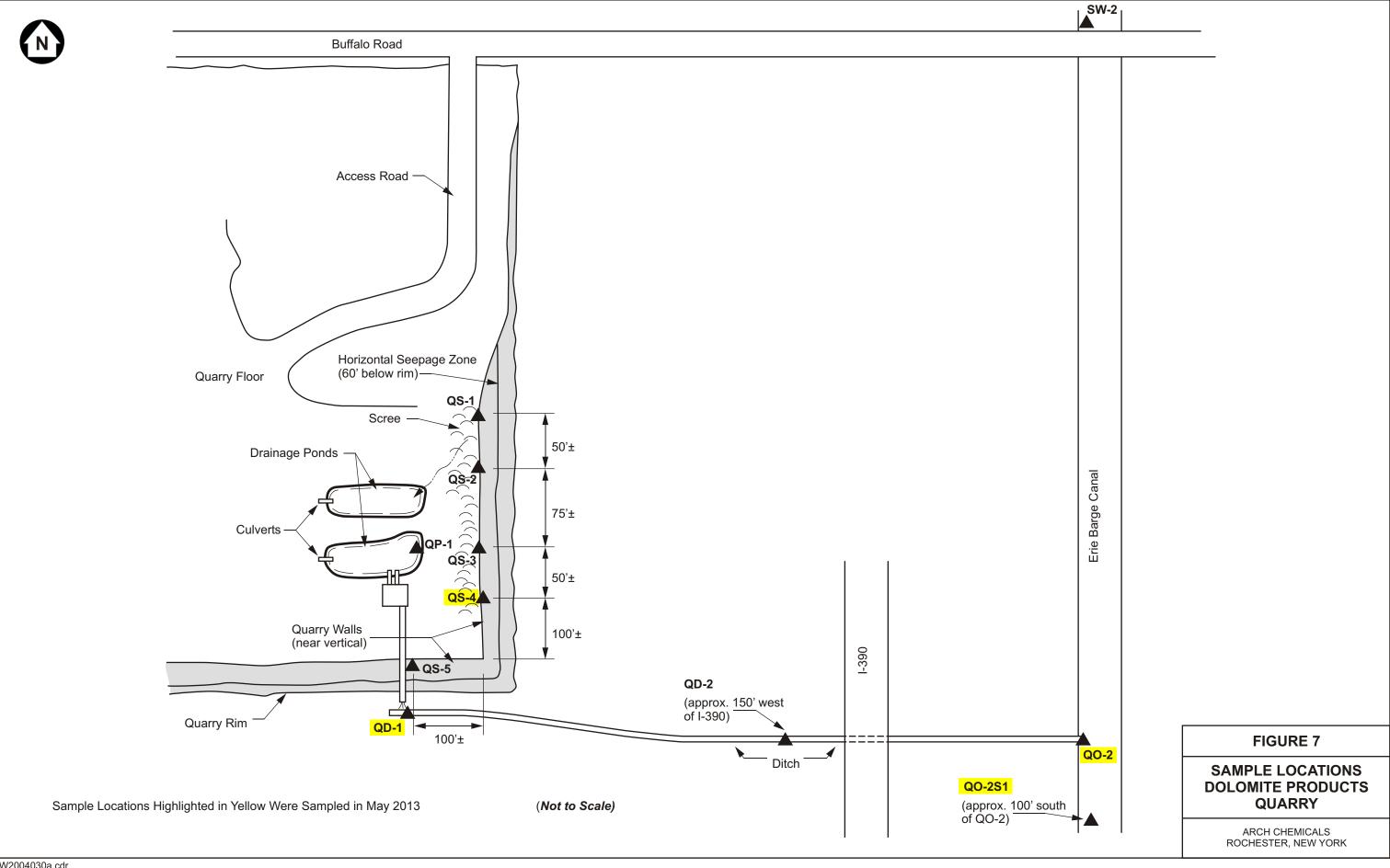


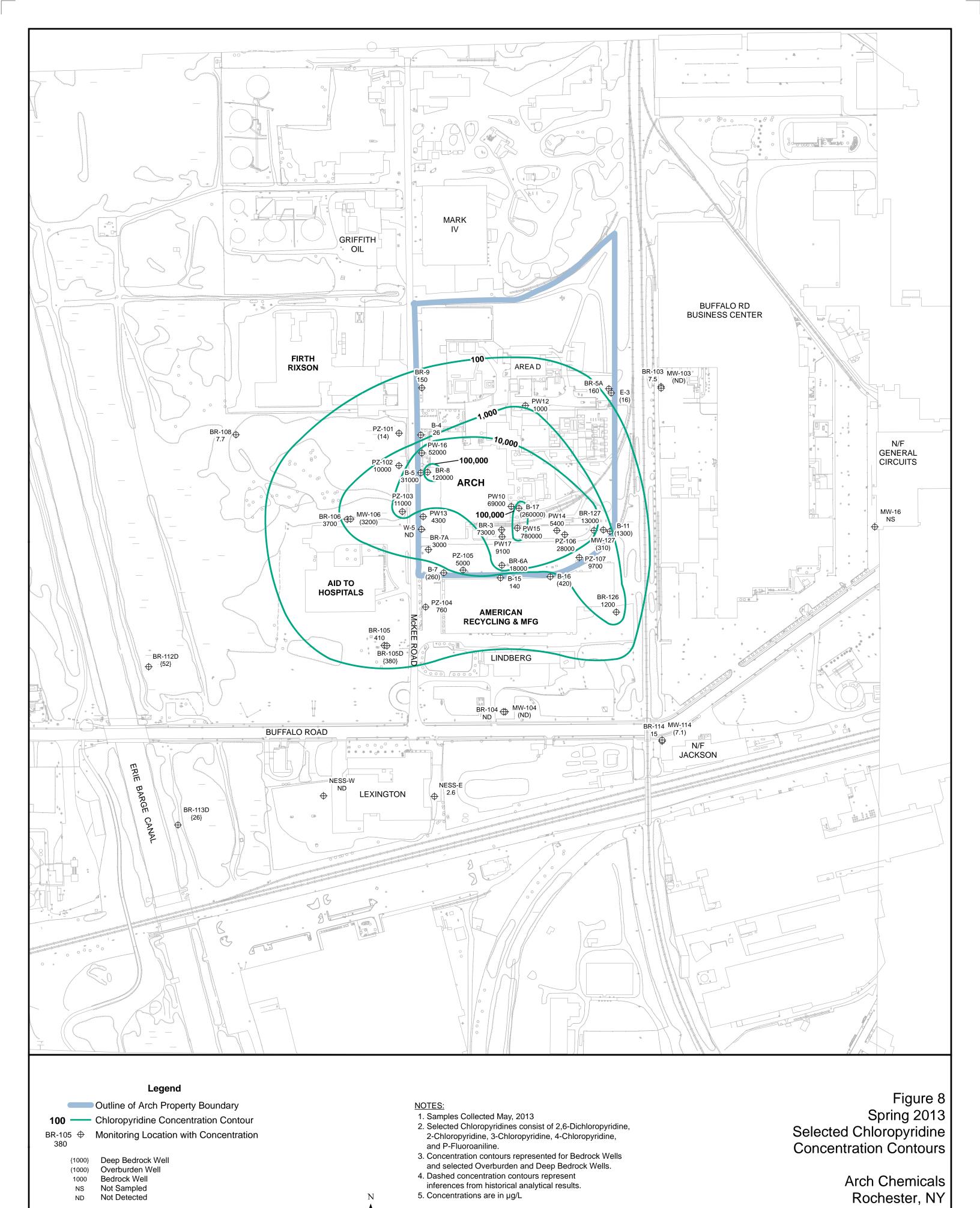






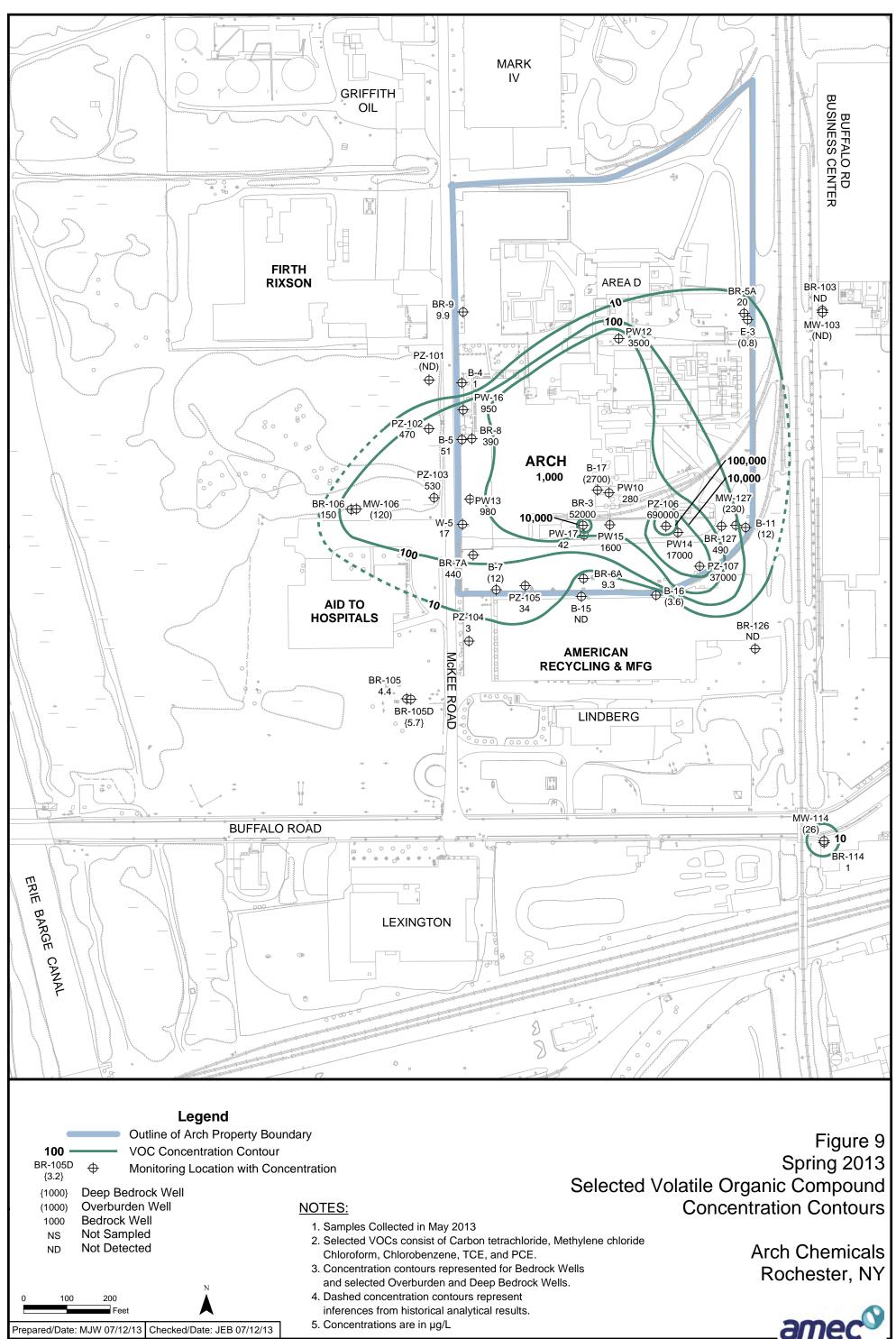






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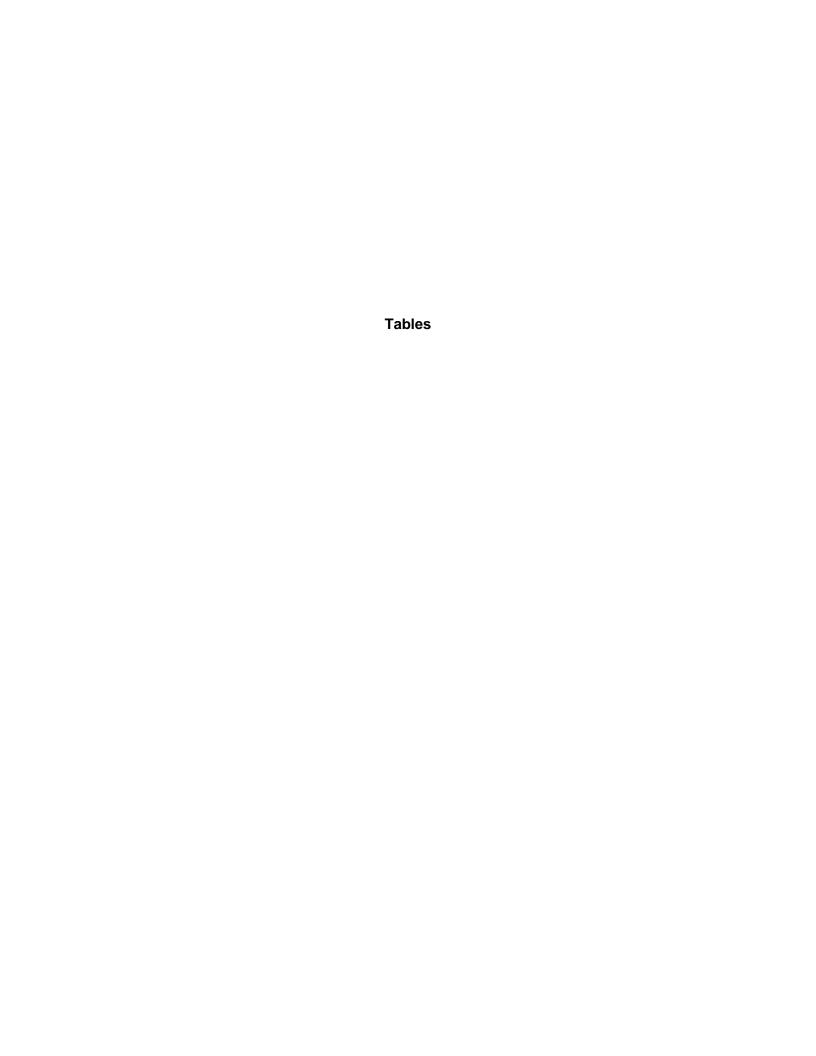


TABLE 1 SPRING 2013 GROUNDWATER SAMPLING AND ANALYTICAL PROGRAM

ARCH CHEMICALS, INC ROCHESTER, NEW YORK

		HESTER, NEW TO			1
			ANALYSIS	PYRIDINES	VOCs
SITE / AREA	WELL / POINT	DATE	QC TYPE		.,
AID TO HOSPITALS	BR-106	5/20/2013	Sample	X	X
	BR-108	5/20/2013	Sample	X	
	MW-106	5/20/2013	Sample	X	Х
	PZ-101	5/20/2013	Sample	X	Χ
	PZ-102	5/20/2013	Sample	X	Χ
	PZ-103	5/17/2013	Sample	X	Χ
AMERICAN RECYCLE MANUF. (58	B-15	5/17/2013	Sample	X	Χ
MCKEE ROAD)	B-16	5/17/2013	Sample	X	Χ
	BR-126	5/17/2013	Sample	X	Χ
	PZ-104	5/17/2013	Sample	X	Χ
ARCH ROCHESTER	B-11	5/22/2013	Sample	Х	Х
	B-17	5/22/2013	Sample	X	Х
	B-4	5/22/2013	Sample	X	X
	B-5	5/22/2013	Sample	X	X
	B-7	5/24/2013	Sample	X	X
	BR-127	5/23/2013	Sample	X	X
	BR-3	5/22/2013	Sample	X	X
	BR-5A	5/23/2013	Sample	X	X
	BR-6A	5/21/2013	·	X	X
	_		Sample	X	
	BR-7A	5/23/2013	Sample		X
	BR-8	5/22/2013	Sample	X	X
	BR-9	5/23/2013	Sample	X	X
	E-3	5/22/2013	Sample	X	X
	MW-127	5/21/2013	Sample	Χ	X
	PW10	5/22/2013	Sample	Χ	X
	PW12	5/24/2013	Sample	X	Х
	PW13	5/23/2013	Sample	X	Х
	PW14	5/23/2013	Sample	X	Χ
	PW15	5/23/2013	Sample	X	Х
	PW16	5/23/2013	Sample	X	Χ
	PW17	5/24/2013	Sample	X	Χ
	PZ-105	5/21/2013	Sample	X	Χ
	PZ-106	5/21/2013	Sample	X	Χ
	PZ-107	5/21/2013	Sample	X	Χ
	W-5	5/24/2013	Sample	X	Χ
DOLOMITE PRODUCTS, INC.	BR-117D	5/17/2013	Sample	Х	
·	BR-118D	5/17/2013	Sample	X	
	QD-1	5/17/2013	Sample	X	
	QS-4	5/17/2013	Sample	X	
EDIE DADCE CANAL (Complex in concl.	BR-112D	5/20/2013	Sample	X	
ERIE BARGE CANAL (Samples in canal or property along canal)	BR-113D	5/20/2013	Sample	X	
or property along carial)	BR-122D	5/17/2013	Sample	X	
	BR-123D	5/17/2013	Sample	X	
	QO-2	5/17/2013	Sample	X	
IACKSON WELDING	QO-2S1	5/17/2013	Sample	X	V
JACKSON WELDING	BR-114	5/20/2013	Sample		X
DIJECALO DO DIJONICOS OCUTES	MW-114	5/20/2013	Sample	X	X
BUFFALO RD BUSINESS CENTER	BR-103	5/22/2013	Sample	X	X
(FORMER KODAK PROPERTY)	MW-103	5/22/2013	Sample	X	Х
LEXINGTON MACHINING (Formerly	NESS-E	5/20/2013	Sample	X	
Ness Precision Products)	NESS-W	5/20/2013	Sample	X	

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TABLE 1 SPRING 2013 GROUNDWATER SAMPLING AND ANALYTICAL PROGRAM

ARCH CHEMICALS, INC ROCHESTER, NEW YORK

			ANALYSIS	PYRIDINES	VOCs
SITE / AREA	WELL / POINT	DATE	QC TYPE		
FORMER GENERAL CIRCUTS	BR-116	5/17/2013	Sample	Х	
	BR-116D	5/17/2013	Sample	X	
RG & E RIGHT OF WAY	BR-104	5/22/2013	Sample	Х	
	BR-105	5/20/2013	Sample	X	Χ
	BR-105D	5/20/2013	Sample	X	Χ
	MW-104	5/22/2013	Sample	X	

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ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	B-11	B-15	B-16	B-17	B-4	B-5	B-7	BR-103	BR-104	BR-105
SAMPLE DATE:	5/22/2013	5/17/2013	5/17/2013	5/22/2013	5/22/2013	5/22/2013	5/24/2013	5/22/2013	5/22/2013	5/20/2013
QC TYPE:	Sample									
SELECTED CHLOROPYRIDINES BY										
SW-846 Method 8270C (ug/L)										
2,6-Dichloropyridine	310	65 J	270	5800 J	19	3900	160 J	9.5 U	9.5 U	84
2-Chloropyridine	950	71 J	150	240000	6.7 J	27000	100 J	3.6 J	9.5 U	330
3-Chloropyridine	67 U	190 U	9.5 U	25000 U	9.5 U	77	190 U	9.5 U	9.5 U	50 U
4-Chloropyridine	67 U	190 U	9.5 U	25000 U	9.5 U	9.5 U	190 U	9.5 U	9.5 U	50 U
p-Fluoroaniline	67 U	190 U	4.5 J	25000 U	9.5 U	30	190 U	3.9 J	9.5 U	50 U
Pyridine	170 U	480 U	24 U	13000 J	24 U	24 U	470 U	24 U	24 U	130 U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	BR-105D	BR-106	BR-108	BR-112D	BR-113D	BR-114	BR-116	BR-116D	BR-117D	BR-118D
SAMPLE DATE:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013
QC TYPE:	Sample									
SELECTED CHLOROPYRIDINES BY										
SW-846 Method 8270C (ug/L)										
2,6-Dichloropyridine	36	480 J	9.5 U	47 U	2.5 J	4.6 J	47 U	4.6 J	9.7 U	3.4 J
2-Chloropyridine	280	3200 J	7.7 J	52	23	10	47 U	17	3.8 J	32
3-Chloropyridine	12	500 U	9.5 U	47 U	9.4 U	9.5 U	47 U	9.6 U	9.7 U	9.8 U
4-Chloropyridine	33	500 U	9.5 U	47 U	9.4 U	9.5 U	47 U	9.6 U	9.7 U	9.8 U
p-Fluoroaniline	18	500 U	9.5 U	47 U	9.4 U	9.5 U	47 U	9.6 U	9.7 U	9.8 U
Pyridine	24 U	1300 U	24 U	120 U	24 U	24 U	120 U	24 U	24 U	25 U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	BR-122D	BR-123D	BR-126	BR-127	BR-3	BR-5A	BR-6A	BR-7A	BR-8	BR-9
SAMPLE DATE:	5/17/2013	5/17/2013	5/17/2013	5/23/2013	5/22/2013	5/23/2013	5/21/2013	5/23/2013	5/22/2013	5/23/2013
QC TYPE:	Sample									
SELECTED CHLOROPYRIDINES BY										
SW-846 Method 8270C (ug/L)										
2,6-Dichloropyridine	11	7.8 J	300	930	6200 J	22	2400 J	420 J	100000 U	23
2-Chloropyridine	67	59	910	11000	59000	120	16000	2600	120000	120
3-Chloropyridine	9.5 U	9.5 U	100 U	280	2900 J	9.5 U	5000 U	500 U	100000 U	9.5 U
4-Chloropyridine	9.5 U	9.5 U	100 U	47 J	10000 U	9.5 U	5000 U	500 U	100000 U	9.5 U
p-Fluoroaniline	0.82 J	9.5 U	100 U	13 J	10000 U	15	5000 U	500 U	100000 U	2.2 J
Pyridine	24 U	24 U	250 U	290	4900 J	24 U	13000 U	1300 U	250000 U	24 U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

Prepared/Date: BJS 07/15/13

Checked/Date: JEB 07/24/13

ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	E-3	MW-103	MW-104	MW-106	MW-114	MW-127	NESS-E	NESS-W	PW10	PW12
SAMPLE DATE:	5/22/2013	5/22/2013	5/22/2013	5/20/2013	5/20/2013	5/21/2013	5/20/2013	5/20/2013	5/22/2013	5/24/2013
QC TYPE:	Sample									
SELECTED CHLOROPYRIDINES BY										
SW-846 Method 8270C (ug/L)										
2,6-Dichloropyridine	12	9.5 U	9.5 U	570	2.1 J	160 J	9.5 U	9.4 U	31000	260
2-Chloropyridine	4 J	9.5 U	9.5 U	2600	5 J	150 J	2.6 J	9.4 U	38000	530
3-Chloropyridine	9.5 U	9.5 U	9.5 U	100 U	9.5 U	250 U	9.5 U	9.4 U	10000 U	64
4-Chloropyridine	9.5 U	9.5 U	9.5 U	100 U	9.5 U	250 U	9.5 U	9.4 U	10000 U	9.5 U
p-Fluoroaniline	9.5 U	9.5 U	9.5 U	30 J	9.5 U	250 U	9.5 U	9.4 U	10000 U	150
Pyridine	24 U	24 U	24 U	250 U	24 U	630 U	24 U	24 U	25000 U	18 J

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	PW13	PW14	PW15	PW16	PW17	PZ-101	PZ-102	PZ-103	PZ-104	PZ-105
SAMPLE DATE:	5/23/2013	5/23/2013	5/23/2013	5/23/2013	5/24/2013	5/20/2013	5/20/2013	5/17/2013	5/17/2013	5/21/2013
QC TYPE:	Sample									
SELECTED CHLOROPYRIDINES BY										
SW-846 Method 8270C (ug/L)										
2,6-Dichloropyridine	290 J	560	3500 J	4900 J	1300	7.8 J	930 J	1300 J	170	880
2-Chloropyridine	4000	4800	68000	47000	7800	6.3 J	8900	9900	580	4100
3-Chloropyridine	1000 U	72 J	750 J	5000 U	1000 U	9.5 U	59	92 J	50 U	24 J
4-Chloropyridine	1000 U	500 U	5000 U	5000 U	1000 U	9.5 U	50 U	100 U	50 U	100 U
p-Fluoroaniline	1000 U	500 U	5000 U	5000 U	1000 U	9.5 U	63	71 J	6.7 J	42 J
Pyridine	2500 U	1300 U	5800 J	13000 U	2500 U	24 U	130 U	250 U	130 U	250 U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

ARCH CHEMICALS, INC. ROCHESTER, NEW YORK

LOCATION:	PZ-106	PZ-107	W-5
SAMPLE DATE:	5/21/2013	5/21/2013	5/24/2013
QC TYPE:	Sample	Sample	Sample
SELECTED CHLOROPYRIDINES BY			
SW-846 Method 8270C (ug/L)			
2,6-Dichloropyridine	5900	1400	10000 U
2-Chloropyridine	21000	7900	10000 U
3-Chloropyridine	190	150	10000 U
4-Chloropyridine	160 U	100 U	10000 U
p-Fluoroaniline	160 U	100 U	10000 U
Pyridine	620	200 J	25000 U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value

Prepared/Date: BJS 07/15/13

Checked/Date: JEB 07/24/13

ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	B-11	B-15	B-16	B-17	B-4	B-5	B-7	BR-103	BR-105
SAMPLE DATE:	5/22/2013	5/17/2013	5/17/2013	5/22/2013	5/22/2013	5/22/2013	5/24/2013	5/22/2013	5/20/2013
QC TYPE:	Sample								
VOCs BY SW-846 Method 8260/5ML (µg/L)									
1,1,1-Trichloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	0.41 J
1,1-Dichloroethene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	1.4 J	10 U	10 U	40 U	10 U	4.3 J	10 U	10 U	5.9 J
1,2-Dichloropropane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	25 U	25 U	25 U	200 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	100 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone	25 U	25 U	25 U	100 U	25 U	25 U	25 UJ	25 U	25 UJ
Acetone	25 U	25 U	25 U	200 U	25 U	3.2 J	25 U	25 U	25 U
Benzene	5 U	5 U	0.76 J	110	5 U	2.3 J	5 U	5 U	1.1 J
Bromodichloromethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	38	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	5 U	5 U	5 U	50	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	2.2 J	5 U	5 U	460	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.82 J	5 U	3.6 J	140	5 U	40	11	5 U	4.4 J
Chlorodibromomethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Chloroform	8.2	5 U	5 U	1400	1 J	0.63 J	0.49 J	5 U	5 U
Chloromethane	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Ethyl benzene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	46	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	0.73 J	5 U	5 U	680	5 U	5 U	0.36 J	5 U	5 U
Toluene	5 U	5 U	5 U	67	5 U	5.3	11	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	20	5 U	10	5 U	5 U	5 U
Vinyl acetate	25 U	25 U	25 U	100 U	25 U	25 U	25 U	25 U	25 U
Vinyl chloride	5 U	5 U	5 U	20 U	5 U	5 U	5 U	8.9	4.5 J
Xylenes, Total	15 U	15 U	15 U	40 U	15 U	15 U	3.4 J	15 U	15 U

Notes:

U = Compound not detected; value represents sample quantitation limit. J = Estimated value.

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ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	BR-105D	BR-106	BR-114	BR-126	BR-127	BR-3	BR-5A	BR-6A	BR-7A
SAMPLE DATE:	5/20/2013	5/20/2013	5/20/2013	5/17/2013	5/23/2013	5/22/2013	5/23/2013	5/21/2013	5/23/2013
QC TYPE:	Sample								
VOCs BY SW-846 Method 8260/5ML (µg/L)									
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,1-Dichloroethane	1.7 J	5 U	5 U	5 U	25 U	500 U	5 U	10 U	3.3 J
1,1-Dichloroethene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,2-Dichloroethene (total)	6.9 J	10 U	10 U	10 U	6 J	1000 U	9.1 J	20 U	6.6 J
1,2-Dichloropropane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
2-Butanone	25 U	25 U	25 U	25 U	130 U	5000 U	25 U	100 U	130 U
2-Hexanone	25 U	25 U	25 U	25 U	130 U	2500 U	25 U	50 U	130 U
4-Methyl-2-pentanone	25 UJ	25 UJ	25 UJ	25 U	130 U	2500 U	25 U	50 U	130 U
Acetone	25 U	25 U	25 U	25 U	130 U	5000 U	25 U	100 U	130 U
Benzene	4.7 J	12	2.7 J	1.7 J	25 U	500 U	7.6	10 U	7 J
Bromodichloromethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Bromoform	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Bromomethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Carbon disulfide	0.85 J	0.19 J	5 U	5 U	86	350 J	1.1 J	10 U	25 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	65	6500	5 U	10 U	60
Chlorobenzene	3.9 J	150	1 J	5 U	4.9 J	500 U	18	9.3 J	47
Chlorodibromomethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Chloroethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Chloroform	0.83 J	5 U	5 U	5 U	380	37000 J	0.72 J	10 U	230
Chloromethane	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Ethyl benzene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Methylene chloride	0.96 J	5 U	5 U	5 U	13 J	6600	5 U	10 U	91
Styrene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Tetrachloroethene	5 U	5 U	5 U	5 U	20 J	1600	5 U	10 U	9.7 J
Toluene	5 U	0.51 J	5 U	5 U	7 J	2200	3.6 J	29	3 J
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	25 U	500 U	5 U	10 U	25 U
Trichloroethene	5 U	5 U	5 U	5 U	6.3 J	500 U	1.3 J	10 U	2.5 J
Vinyl acetate	25 U	25 U	25 U	25 U	130 U	2500 U	2.4 J	50 U	130 U
Vinyl chloride	5 U	5 U	5 U	5 U	6.1 J	500 U	1.9 J	34	11 J
Xylenes, Total	15 U	15 U	15 U	15 U	75 U	1000 U	1.2 J	20 U	75 U

Notes:

U = Compound not detected; value represents sample quantitation limit. J = Estimated value.

ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	BR-8	BR-9	E-3	MW-103	MW-106	MW-114	MW-127	PW10	PW12
SAMPLE DATE:	5/22/2013	5/23/2013	5/22/2013	5/22/2013	5/20/2013	5/20/2013	5/21/2013	5/22/2013	5/24/2013
QC TYPE:	Sample								
VOCs BY SW-846 Method 8260/5ML (µg/L)									
1,1,1-Trichloroethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,1,2,2-Tetrachloroethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,1,2-Trichloroethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,1-Dichloroethane	50 U	5 J	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,1-Dichloroethene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,2,4-Trimethylbenzene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,2-Dichloroethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,2-Dichloroethene (total)	100 U	100	10 U	10 U	20 U	10 U	50 U	10 U	1000 U
1,2-Dichloropropane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
1,3,5-Trimethylbenzene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
2-Butanone	250 U	50 U	25 U	25 U	50 U	25 U	130 U	50 U	2500 U
2-Hexanone	250 U	50 U	25 U	25 U	50 U	25 U	130 U	25 U	2500 U
4-Methyl-2-pentanone	250 U	50 U	25 U	25 U	50 U	25 UJ	130 U	25 U	2500 UJ
Acetone	250 U	50 U	25 U	25 U	50 U	25 U	130 U	1100	2500 U
Benzene	50 U	33	5 U	5 U	8.1 J	5 U	25 U	2.7 J	500 U
Bromodichloromethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Bromoform	50 U	10 U	5 U	5 U	10 U	5 U	25 U	24	500 U
Bromomethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Carbon disulfide	50 U	10 U	5 U	5 U	0.51 J	5 U	240	17	500 U
Carbon tetrachloride	50 U	10 U	5 U	5 U	10 U	0.61 J	29	39	500 U
Chlorobenzene	380	8.8 J	5 U	5 U	120	2.2 J	25 U	5.4	2900
Chlorodibromomethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Chloroethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Chloroform	50 U	10 U	0.8 J	5 U	10 U	14	180	170	200 J
Chloromethane	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
cis-1,3-Dichloropropene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Ethyl benzene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	270 J
Methylene chloride	5.9 J	10 U	5 U	5 U	0.95 J	5 U	5 J	13	200 J
Styrene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Tetrachloroethene	50 U	10 U	5 U	5 U	10 U	3.2 J	17 J	44	160 J
Toluene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	12	4300
trans-1,3-Dichloropropene	50 U	10 U	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Trichloroethene	50 U	1.1 J	5 U	5 U	10 U	5.6	25 U	4.4 J	500 U
Vinyl acetate	250 U	50 U	25 U	25 U	50 U	25 U	130 U	25 U	2500 U
Vinyl chloride	50 U	50	5 U	5 U	10 U	5 U	25 U	5 U	500 U
Xylenes, Total	150 U	30 U	15 U	15 U	30 U	15 U	75 U	28	1700

Notes:

U = Compound not detected; value represents sample quantitation limit. J = Estimated value.

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ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	PW13	PW14	PW15	PW16	PW17	PZ-101	PZ-102	PZ-103	PZ-104
SAMPLE DATE:	5/23/2013	5/23/2013	5/23/2013	5/23/2013	5/24/2013	5/20/2013	5/20/2013	5/17/2013	5/17/2013
QC TYPE:	Sample								
VOCs BY SW-846 Method 8260/5ML (µg/L)									
1,1,1-Trichloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,1,2,2-Tetrachloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,1,2-Trichloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,1-Dichloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,1-Dichloroethene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,2,4-Trimethylbenzene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,2-Dichloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,2-Dichloroethene (total)	18 J	400 U	40 U	200 U	19	10 U	100 U	100 U	10 U
1,2-Dichloropropane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
1,3,5-Trimethylbenzene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
2-Butanone	100 U	2000 U	200 U	500 U	40 U	25 U	250 U	250 U	25 U
2-Hexanone	50 U	1000 U	100 U	500 U	20 U	25 U	250 U	250 U	25 U
4-Methyl-2-pentanone	50 U	1000 U	100 U	500 U	20 UJ	25 UJ	250 UJ	250 U	25 U
Acetone	100 U	2000 U	200 U	500 U	40 U	25 U	250 U	250 U	25 U
Benzene	11	200 U	23	22 J	3.5 J	5 U	21 J	17 J	1.1 J
Bromodichloromethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Bromoform	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Bromomethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Carbon disulfide	10 U	200 U	58	100 U	4	5 U	50 U	50 U	5 U
Carbon tetrachloride	190	1400	8.6 J	100 U	4 U	5 U	50 U	50 U	5 U
Chlorobenzene	50	200 U	47	950	33	5 U	470	530	3 J
Chlorodibromomethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Chloroethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Chloroform	590	15000	1300	100 U	4 U	5 U	50 U	50 U	5 U
Chloromethane	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
cis-1,3-Dichloropropene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Ethyl benzene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Methylene chloride	130	680	52	100 U	2.9 J	5 U	50 U	4.4 J	5 U
Styrene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Tetrachloroethene	18	150 J	130	100 U	1.8 J	5 U	50 U	50 U	5 U
Toluene	5.6 J	200 U	100	100 U	22	5 U	50 U	50 U	5 U
trans-1,3-Dichloropropene	10 U	200 U	20 U	100 U	4 U	5 U	50 U	50 U	5 U
Trichloroethene	10 U	200 U	21	100 U	4.7	5 U	50 U	50 U	5 U
Vinyl acetate	50 U	1000 U	100 U	500 U	20 U	25 U	250 U	250 U	25 U
Vinyl chloride	30	200 U	20 U	100 U	11	5 U	50 U	50 U	5 U
Xylenes, Total	20 U	400 U	40 U	300 U	8 U	15 U	150 U	150 U	15 U

Notes:

U = Compound not detected; value represents sample quantitation limit. J = Estimated value.

TABLE 3 **SPRING 2013 GROUNDWATER MONITORING RESULTS VOLATILE ORGANIC COMPOUNDS**

ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	PZ-105	PZ-106	PZ-107	W-5
SAMPLE DATE:	5/21/2013	5/21/2013	5/21/2013	5/24/2013
QC TYPE:	Sample	Sample	Sample	Sample
VOCs BY SW-846 Method 8260/5ML (µg/L)				
1,1,1-Trichloroethane	5 U	4000 U	500 U	20 U
1,1,2,2-Tetrachloroethane	5 U	4000 U	500 U	20 U
1,1,2-Trichloroethane	5 U	4000 U	500 U	20 U
1,1-Dichloroethane	5 U	4000 U	500 U	20 U
1,1-Dichloroethene	5 U	4000 U	500 U	20 U
1,2,4-Trimethylbenzene	5 U	4000 U	500 U	20 U
1,2-Dichloroethane	5 U	4000 U	500 U	20 U
1,2-Dichloroethene (total)	10 U	8000 U	120 J	40 U
1,2-Dichloropropane	5 U	4000 U	500 U	20 U
1,3,5-Trimethylbenzene	5 U	4000 U	500 U	20 U
2-Butanone	25 U	40000 U	2500 U	100 U
2-Hexanone	25 U	20000 U	2500 U	100 U
4-Methyl-2-pentanone	25 U	20000 U	2500 U	100 UJ
Acetone	5.6 J	40000 U	2500 U	100 U
Benzene	5.8	4000 U	500 U	20 U
Bromodichloromethane	5 U	4000 U	500 U	20 U
Bromoform	5 U	17000	500 U	20 U
Bromomethane	5 U	4000 U	500 U	20 U
Carbon disulfide	0.3 J	120000	500 U	20 U
Carbon tetrachloride	5 U	22000	1200	20 U
Chlorobenzene	34	4000 U	500 U	15 J
Chlorodibromomethane	5 U	4000 U	500 U	20 U
Chloroethane	5 U	4000 UJ	500 U	20 U
Chloroform	5 U	650000 J	25000	20 U
Chloromethane	5 U	4000 U	500 U	20 U
cis-1,3-Dichloropropene	5 U	4000 U	500 U	20 U
Ethyl benzene	5 U	4000 U	500 U	20 U
Methylene chloride	5 U	16000	9800	2.4 J
Styrene	5 U	4000 U	500 U	20 U
Tetrachloroethene	5 U	3000 J	1300	20 U
Toluene	5 U	4000 U	500 U	20
trans-1,3-Dichloropropene	5 U	4000 U	500 U	20 U
Trichloroethene	5 U	4000 U	500 U	20 U
Vinyl acetate	25 U	20000 U	2500 U	100 U
Vinyl chloride	5 U	4000 U	500 U	20 U
Xylenes, Total	15 U	8000 U	1500 U	4.5 J
Notes:				

U = Compound not detected; value represents sample quantitation limit. J = Estimated value.

Prepared/Date: BJS 07/15/13 Checked/Date: JEB 07/24/13

TABLE 4 COMPARISON OF SPRING 2013 CHLOROPYRIDINES AND VOLATILE ORGANICS CONCENTRATIONS IN GROUNDWATER TO PREVIOUS RESULTS (ug/L)

ARCH ROCHESTER SEMI-ANNUAL GROUNDWATER MONITORING REPORT

WELL	SE	LECTED CHL	OROPYRIDIN	ES		SELECT	ED VOCs	
	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	MAY 2013 RESULT	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	MAY 2013 RESULT
ON-SITE V	/ELLS/LOCAT	TIONS						
B-11	6	4,800	1,400	1,300	6	570	120	12
B-17	5	28,000,000	360,000	260,000	5	350,000	11,000	2,700
B-4	0	740	NA	26	0	42	NA	1
B-5	0	1,400	NA	31,000	0	320	NA	51
B-7	5	9,100	710	260	5	270	32	12
BR-127	10	29,000	8,700	13,000	10	1,300	230	490
BR-3	5	6,500,000	61,000	73,000	5	930,000	97,000	52,000
BR-5A	10	1,700	190	160	10	9,400	22	20
BR-6A	10	140,000	13,000	18,000	10	26,000	280	9.3
BR-7A	10	510,000	21,000	3,000	10	4,400	400	440
BR-8	5	160,000	58,000	120,000	5	7,800	560	390
BR-9	10	720	98	150	10	210	11	9.9
E-3	5	600	160	16	5	15,000	47	0.8
MW-127	10	15,000	4,000	310	10	7,500	1,300	230
PW10	10	240,000	54,000	69,000	10	120,000	1,700	280
PW12	10	15,000	1,200	1,000	10	120,000	9,700	3,500
PW13	10	7,500	3,000	4,300	10	1,800	290	980
PW14	10	29,000	6,700	5,400	10	160,000	22,000	17,000
PW15	10	730,000	73,000	78,000	10	8,300	5,000	1,600
PW16	5	31,000	17,000	52,000	5	1,200	760	950
PW17	1	3,800	3,800	9,100	1	33	33	42
PZ-105	10	190,000	10,000	5,000	10	9,900	110	34
PZ-106	10	120,000	37,000	28,000	10	1,400,000	370,000	690,000
PZ-107	10	11,000	6,000	9,700	10	89,000	20,000	37,000
W-5	0	450,000	NA	ND	0	2,500	NA	17
	WELLS/LOCA							
B-15	0	13,000	NA	140		1,600	NA	ND
B-16	6	33,000	820	420	6	4,500	11	3.6
BR-103	5	400	0.78	7.5	5	46	ND	ND
BR-104	5	3,100	1.6	ND		11		
BR-105	10	24,000	760	410	_			4.4
BR-105D	10	10,000	340	380		230	3.7	5.7
BR-106	10	25,000	3,000	3,700	10	12,000	120	150
BR-108	5	1,700	24	7.7		2		
BR-112D	5	310	43	52		4.3		
BR-113D	5	490	23	26		2.8		
BR-114	5	520	94	15	5	12	0.1	1.0
BR-116	5	12	ND	ND 88		86		
BR-116D	5	710	37	22		130		
BR-117D	5	80	5.5	3.8		1.9		
BR-118D	5	330	46	35		6.6		
BR-122D	5	650	130	79		ND		
BR-123D	5	860	50	67		7		•
BR-126	10	12,000	2,900	1,200	10	240	3.7	ND

Prepared/Date: NMB 07/12/13 Checked/Date: JEB 07/24/13

TABLE 4 COMPARISON OF SPRING 2013 CHLOROPYRIDINES AND VOLATILE ORGANICS CONCENTRATIONS IN GROUNDWATER TO PREVIOUS RESULTS (ug/L)

ARCH ROCHESTER SEMI-ANNUAL GROUNDWATER MONITORING REPORT

WELL	SE	LECTED CHL	OROPYRIDIN	IES		SELECT	ED VOCs	
	# EVENTS	HISTORIC	5-YEAR	MAY 2013	# EVENTS	HISTORIC	5-YEAR	MAY 2013
	IN PRIOR 5	MAXIMUM	MEAN	RESULT	IN PRIOR 5	MAXIMUM	MEAN	RESULT
	YRS				YRS			
MW-103	5	97	0.6	ND	5	750	ND	ND
MW-104	5	180	1.2	ND		5.8		
MW-106	10	130,000	7,800	3,200	10	4,000	320	120
MW-114	5	18	ND	7	5	27	21	26
MW-16	5	360	7.9			10		
NESS-E	5	5,000	53	2.6		710		
NESS-W	5	2,100	ND	ND		94		
PZ-101	10	27,000	59	14	10	620	3.2	ND
PZ-102	10	58,000	4,100	10,000	10	11,000	290	470
PZ-103	10	73,000	9,000	11,000	10	46,000	1,100	530
PZ-104	10	9,100	1,600	760	10	52	8	3
QD-1	10	11	5	6.5		ND		
QO-2	10	380	7.2	7.7		ND		
QO-2S1	10	27	2.4	ND		ND		
QS-4	10	3,400	120	63		ND		

Note:

- 1) Number of samples and mean reflect 5-year sampling period from May 2008 through November 2012. Historic maximum based on all available results from March 1990 through November 2012.
- 2) Chloropyridines represented by: 2-Chloropyridine, 2,6-Dichloropyridine, 3-Chloropyridine, 4-Chloropyridine, p-Fluoroaniline, and Pyridine.
- 3) Selected VOCs represented by Carbon Tetrachloride, Chlorobenzene, Chloroform, Methylene Chloride, Tetrachloroethene, and Trichloroethene.
- 4) Bold and shade May 2013 exceeds 5-year mean.
- 5) ND = Not detected BLANK = Not sampled

Prepared/Date: NMB 07/12/13 Checked/Date: JEB 07/24/13

TABLE 5 SPRING 2013 QUARRY SEEP AND OUTFALL WATER SAMPLE RESULTS **CHLOROPYRIDINES**

ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

LOCATION:	QS-4	QO-2	QO-2S1	QD-1
SAMPLE DATE:	5/17/2013	5/17/2013	5/17/2013	5/17/2013
QC TYPE:	Sample	Sample	Sample	Sample
SELECTED CHLOROPYRIDINES BY SW-846				
Method 8270C (μg/L)				
2,6-Dichloropyridine	11	3.1 J	9.5 U	2.9 J
2-Chloropyridine	52	4.6 J	9.5 U	3.6 J
3-Chloropyridine	9.5 U	9.5 U	9.5 U	9.7 U
4-Chloropyridine	9.5 U	9.5 U	9.5 U	9.7 U
p-Fluoroaniline	9.5 U	9.5 U	9.5 U	9.7 U
Pyridine	24 U	24 U	24 U	24 U

Notes: U = Compound not detected; value represents sample quantitation limit.

J = Estimated value.

µg/L = micrograms per liter

Prepared/Date: BJS 07/15/13

Checked/Date: JEB 07/24/13

TABLE 6 EXTRACTION WELL WEEKLY FLOW MEASUREMENTS - DECEMBER 2012 THROUGH MAY 2013

ARCH CHEMICALS, INC. **ROCHESTER, NEW YORK**

Week Ending	BR-5A [Gal./Wk.]	BR-7A [Gal./Wk.]	BR-9 [Gal./Wk.]	PW-13 [Gal./Wk.]	PW-14 *** [Gal./Wk.]	PW-15 [Gal./Wk.]	PW-16 [Gal./Wk.]	BR-127 **** [Gal./Wk.]	Total [Gal.]
	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai./WK.]	[Gai.j
Dec '12 12/02/12	24 672	02.420	40.0E2	24 220	1 204	7 077	20 664	0	226 220
12/02/12 12/09/12	21,672	92,430 85,281	49,952	24,339	1,394	7,877 52,198	38,664	0	236,328
	21,184		46,638	0 1	1,045		39,847	0	246,193
12/16/12	20,230	83,795	37,135		1,113	49,431	40,377	0	232,082
12/23/12	19,775	59,757	20,434	6,592	1,069	27,663	30,054	0 0	165,344
12/30/12	21,514	87,319	39,233	7,866	1,244	32,919	39,160	_	229,255
								Total [Gal.]	<u>1,109,202</u>
Jan '13									
01/06/13	20,424	81,570	35,592	7,575	1,111	16,331 **	39,635	0	202,238
01/13/13	21,101	62,180 *	* 35,726 **				29,233 *	* 0	195,889
01/20/13	20,906	83,063	45,436	8,616	1,223	62,909	39,109	0	261,262
01/27/13	17,991	81,416	41,060	8,281	1,079	60,186	37,260	0	247,273
	,	- ,	,	-, -	,	,	,	Total [Gal.]	906.661
								rotal [oall]	<u>000,001</u>
Feb '13									
02/03/13	18,608	84,694	38,206	8,552	1,182	58,002	39,161	0	248,405
02/10/13	17,677	81,241	39,683	8,636	1,155	36,193	38,420	0	223,005
02/17/13	17,609	79,565	39,349	8,731	1,159	16,753 **	38,469	19,353	220,989
02/24/13	15,093	58,342	28,373	5,741	914	16,626 **	23,550	38,011	186,650
								Total [Gal.]	<u>879,049</u>
Mar '13									
03/03/13	17,306	84,904	48,873	9,327	1,193	21,188	37,888	26,996	247,675
03/10/13	18,039	79,992	47,438	9,193	1,156	5,687 **	36,177	20,407	218,090
03/10/13	17,376	79,518	50,997	9,669	1,152	4,795 **	36,300	20,407	220,391
03/1//13	16,701	79,516	49,729	9,632	1,152	4,795 5,599 **	36,079	20,364 15,714	213,750
03/24/13	16,701	79,140 78,285	49,729	9,305	1,130	28,165	35,662	20,957	237,304
03/31/13	10,041	70,200	47,790	9,303	1,093	20,100	33,002		
								Total [Gal.]	<u>1,137,210</u>
Apr '13									
04/07/13	15,694	77,857	46,583	9,134	1,006	30,650	35,120	26,515	242,559
04/14/13	15,693	76,620	44,389	9,331	1,018	17,947 **	34,313	26,007	225,318
04/21/13	14,647	69,865	54,166	10,239	1,057	10,205 **	31,113	16,996	208,287
04/28/13	15,285	71,495	51,126	57,677	1,314	31,332	32,411	20,092	280,732
								Total [Gal.]	956,896
May '13									
05/05/13	15,086	45,083	105,703	72,527	1,374	4,691 **	38,673	55,044	338,181
05/12/13	12,000	50,070	93,452 *	,	1,338	15,491 **	44,097	70,291	359,484
05/12/13	16,320	50,216	96,533	73,484	1,330	17,615 **	43,879	63,192	362,569
05/19/13	13,890	71,029	52,022	73,464 78,780	1,322	8,230 **	46,425	61,783	333,481
05/20/13	10,000	11,023	02,022	70,700	1,022	0,200	70,723		
								Total [Gal.]	<u>1,393,714</u>
Total 6 Mo									
Removal		14 004 707	14 005 00 1	500 550	1 00 100	070.046	004.070	T 504.046	0.000 700
(Gal.)	457,862	1,934,727	1,285,624	532,552	30,132	678,816	961,076	501,942	6,382,732

Notes:

- 1) * - Flow rate is estimated due to a meter failure or reading error
- 2) ** - Flow rate adversely affected by pump failure, pluggage in discharge line, or other maintenance activity
- 3) *** - Well yield at PW-14 has been minimal from 2010 - 2013. An attempt to rehab the well by physical and chemical cleaning in October 2010 failed to increase yield.
- 4) **** Well BR-127 was re-activated in February 2013 with an air-driven pump.

TABLE 7

MASS REMOVAL SUMMARY PERIOD: DECEMBER 2012 - MAY 2013

ARCH ROCHESTER SPRING 2013 GROUNDWATER MONITORING REPORT

Well	Total Vol. Pumped (gallons)	Avg. VOC Conc. (ppm)	Avg. PYR. Conc. (ppm)	VOCs Removed (pounds)	PYR. Removed (pounds)
BR-5A	457,900	0.018	0.16	0.07	0.6
BR-7A	1,934,700	0.89	4.0	14	65
BR-9	1,285,600	0.009	0.15	0.10	1.6
PW-13	532,600	1.4	3.7	6.1	17
PW-14	30,100	21	3.9	5.2	1.0
PW-15	678,800	1.5	53	8.5	300
PW-16	961,100	1.1	42	8.7	333
BR-127	501,900	0.25	7.6	1.0	32
Totals:	6,382,700			44	749

Notes: VOC and pyridine concentrations used in this table are an average of the analytical results from the Fall 2012 and Spring 2013 sampling events for each well;

Total select VOCs now includes chlorobenzene in addition to PCE, TCE, methylene chloride, carbon tetrachloride, and chloroform

Prepared/Date: JEB 06/24/13 Checked/Date: NMB 07/29/13

Appendix A Groundwater Field Sampling Data Sheets

FIELD REPORT

REMEDIAL INVESTIGATION SAMPLING LONZA CHEMICAL ROCHESTER, NEW YORK

SPRING 2013 Event

Prepared For:

AMEC, Inc. 511 Congress Street Portland, Maine 04101

Attention: Mr. Nelson Breton

Prepared By:

TestAmerica Inc

Audubon Business Center 10 Hazelwood Drive Amherst, New York 14228-2298

NY5A5762

Written By:

Reviewed By:

Date:

Roger Senf

16-26-13

1.0 INTRODUCTION

This report describes the sampling of the following points:

- Twenty-eight (53) groundwater samples
- One (1) barge canal sample
- Two (2) quarry outfall samples
- One (1) quarry seep sample

These activities were in support of the Phase II Remediation Investigation being conducted at the Lonza Chemical facility in Rochester, New York. The samples were collected from May 16 - 24, 2013 by TestAmerica Inc (TAL) Field personnel.

2.0 METHODOLOGIES

2.1 Water Level Measurements

Static water levels in all groundwater wells were measured from the top of the well casing/riser with an electronic water level indicator. All well bottoms were sounded with the weighted steel measuring tape. All measurements were recorded to the nearest hundredth of a foot (0.01 feet). The length of the measuring device which contacted the water was cleaned between wells with a deionized water rinse and paper towel wipe. These data are presented on Sampling Summary Table and Field Observation forms.

2.2 Well Purging

Monitoring wells were evacuated prior to sampling employing one of the following methods:

- Purging three (3) times the standing water volume using precleaned or dedicated 1.25" X
 stainless steel bailers, 2" X 5' polyvinyl chloride bailers, peristaltic pump or QED Low-Flow Bladder pumps.
- 2) Evacuated with the low flow/low stress puring technique using either QED Low-Flow Bladder pumps or a variable rate peristaltic pump.

Wells that were purged of three (3) standing volumes were mainly wells located on or very near the Erie Canal and historically purged with this method prior to sampling. The remaining wells were evacuated with a low flow/low stress purging technique. This technique involves the use of a variable flow rate bladder or peristaltic pump. The pumps were employed to purge the monitoring wells at a flow rate such that drawdown of the water column from static conditions is minimal. Field measurements of pH, specific conductance, temperature, ORP, dissolved oxygen and turbidity are monitored every 3-5

minutes until stabilization of parameters is realized. Once stabilization has occurred, sampling can be conducted. All purged water was collected into 55-gallon drums for disposal at the on-site wastewater treatment facility. Data pertaining to each evacuation are presented on the Sampling Summary Table and field Observation Forms.

2.3 Surface Water Samples

Surface water samples were collected from one (1) location on the Erie Barge Canal, two (2) outfall samples and one (1) seep location. Sample locations were noted on the Field Forms.

3.0 SAMPLING

3.1 Monitoring Wells

All groundwater wells were sampled using precleaned or dedicated 1.25" X 1.25" X 5' stainless steel bailers, perisaltic pumps or bladder (SamplePro) pumps when low flow purging techniques were used. Each bailer was constructed with teflon, bottom-filling check valve and was assembled without glues or welds. New ¼" poly rope was attached to each bailer. The bailer was slowly lowered into the water column, minimizing agitation and devolatilization. Low density polyethylene (LDPE) tubing was used with both the bladder (QED) and the peristaltic pumps. The bladder pumps were decontaminated between sample locations in accordance with the work plan. Personnel exercised care in all aspects of the sampling to ensure the collection of a representative sample An additional sample container was collected from each well in order to facilitate the measurement of field analytical parameters. Data pertaining to sampling are presented on the Sampling Summary Table and the Field Observation Forms.

3.2 Canal Sampling

When possible, samples were collected directly from the canal into appropriate sample containers. Otherwise, samples were collected with the use of a unique, laboratory-cleaned stainless steel bailer. The bailers were immersed just below the surface and removed. Sample was poured directly into the appropriate container. An additional container was collected to facilitate the measurement of field parameters. Additional data pertaining to these samples is presented in the Sampling Summary Table and Field Observation Forms.

3.3 Seep Sampling

Groundwater samples were collected from seeps at the quarry (QS4) located on Buffalo Road. The samples were collected with the use of a laboratory cleaned stainless steel bucket and was then poured directly into the appropriate containers. An additional container was

collected to facilitate the measurement of field parameters. Data pertaining to this sampling is presented in the Sampling Summary Table and Field Observation Forms.

4.0 SAMPLE CONTAINERS

Monitoring wells and surface water samples requiring analysis for volatile organics were collected into 40 ml glass vials with teflon septa. Samples for semi-volatile and Pyridine analysis were collected into one (1) liter amber glass bottles with teflon-lined caps. All bottles were purchased new and cleaned (Protocol A, 300 series) from Environmental Supply Services. Each container was labeled with the following information:

- Sample Identification (Well/Point I.D.)
- Date
- Project Number
- Sampler's Initials

5.0 FIELD MEASUREMENTS

On-site field measurements were made of each sample's pH, specific conductance and temperature. All measurements were made in accordance with protocols outlined in Methods for Chemical Analysis of Water and Wastes (EPA – 600/4-79-9020). These data were presented on the Sampling Summary Table and Field Observation Forms.

6.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

6.1 Trip Blanks

Trip blanks were collected with each sample shipment requiring volatile organic analysis. Each trip blank consisted of two 40 ml glass vials with teflon septa which were filled with deionized water at the TAL laboratory. These blanks were transported to the site, stored with field collected samples and submitted to the TAL facility for analysis.

6.2 Equipment Rinse Blank

Equipment rinse blanks were collected as required by the work plan.

7.0 CHAIN OF CUSTODY

Chain of custody was initiated at the time of sample collection and maintained through delivery to the TAL facility in Amherst, New York. Copies of these documents are included in the analytical report package.

Sampling Summary Table LONZA

DO (maa)	0.17	0.28	0.49	0.52	0.48	0.48	0.58	0.42		0.37		0.27		0.79	0.75			0.84			0.42	0.28	0.83	0.49	0.51	0.36	0.54	0.42	0.59		0.81		0.98	0.72	0.5	0.44	1.07
ORP (mv)	108	-29	-63	-110	-138	-5	-91	-185	-115	-222	-134	-31	-86	-74	-35	-239	-334	-15	-187	-201	-180	-78	-82	-118	9/-	-54	-182	-175	-63	-164	-52	55	-40		15	-70	-132
Turb	7.01	0.95	1.70	4.52	93	14.75	5.18	20.3	18.3	23.9	5.73	4.76	5.32	5.32	9.13	17.7	3.37	13.2	327	8.57	5.92	2.11	1.1	14.6	43.3	45.7	25.3	12.9	2.14	20.5	60.3	86.0	4.62	10.67	9.52	3.36	10.1
Temp	16.9	16.2	14.6	13.7	18.5	17.5	17.9	18.3	14.7	19.7	15.1	16.5	16.5	13.5	12.3	17.6	20.0	14.6	19.2	10.6	12.7	18.5	16.3	16.0	10.8	11.0	10.9	10.9	15.2	16.1	13.8	12.8	13.1	20.5	18.9	19.6	10.3
Spec. Cond. 1	ĺΩ	3257	3074	2592	1398	10010	3435	10630	1442	4479	1839	5458	2085	772	382	2251	25680	3463	1073	2522	2910	1833	3082	1839	1569	1180	2232	2030	982	2831	069	663	1891	1079	3917	7291	4711
Hd F) CTD IInite	6.72	6.82	6.77	6.91	6.98	5.90	06.9	7.10	7.71	7.45	7.39	7.91	7.31	7.12	7.87	7.71	6.97	6.91	7.94	7.31	6.81	06.9	6.89	6.98	8.23	8.33	7.11	7.10	6.97	8.21	7.26	7.41	6.72	7.18	7.68	8.37	7.28
Bottom																																					
Water	16.61	15.90	15.12	14.51	12.15	12.81	12.13	11.72	19.63	13.80	27.90	13.13	27.97	6.40	11.97	22.96	26.09	23.40	28.48	36.22	31.63	13.59	28.52	35.91	50.80	49.40	45.73	46.00	9.11	12.85	1.70	8.28	12.34	10.23	8.85	10.13	12.30
Sample	1100 1100	1205	1330	1025	1140	1355	1315	1040	1125	1230	1155	1425	1145	1125	1250	1420	1320	1140	1435	1330	1245	1410	1335	1415	955	1030	1120	1158	1255	1115	1205	1335	1055	1310	1435	1215	1205
Sample	Date 5/20/2013	5/20/2013	5/17/2013	5/17/2013	5/21/2013	5/21/2013	5/21/2013	5/22/2013	5/23/2013	5/21/2013	5/23/2013	5/22/2013	5/23/2013	5/22/2013	5/22/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013	5/23/2013	5/22/2013	5/22/2013	5/20/2013	5/20/2013	5/21/2013	5/22/2013	5/24/2013
Sample	Point P7-101	PZ-102	PZ-103	PZ-104	PZ-105	PZ-106	PZ-107	BR-3	BR-5A	BR-6A	BR-7A	BR-8	BR-9	BR-103	BR-104	BR-105	BR-105D	BR-106	BR-108	BR-112D	BR-113D	BR-114	BR-116	BR-116D	BR-117D	BR-118D	BR-122D	BR-123D	BR-126	BR-127	MW-103	MW-104	MW-106	MW-114	MW-127	PW-10	PW-12

Sampling Summary Table LONZA

	, DO						0.97			0.67			0.50								99.0	
	ORP	(mv)	-146	-164	-82	-145	-157	19	ကု	-21	-52	-63	-39	-93	-33	-73	111	-109	86-	115	-105	-156
	dur.																				15.0	
	Temp	(၁)	16.8	20.1	15.1	15.9	8.4	20.1	20.6	12.2	19.7	15.0	12.6	18.7	12.5	20.1	13.8	12.8	16.1	13.2	14.3	14.5
ec.	jg.	hos)	2526	3151	4614	4950	1981	8124	3498	1397	2145	856	1068	8766	552	3180	1642	1637	515	1824	483	1490
	H.	STD Units	7.14	7.16	7.91	7.16	7.88	7.62	7.74	6.98	7.65	7.05	7.02	8.15	7.69	7.25	7.49	7.96	8.03	7.24	6.86	6.75
	Bottom	Well (ff)																				
	Water	Level (ft)	27.98	27.67	28.94	13.51	12.21	17.01	13.37	16.96	9.56	9.15	8.73	10.24	9.32	5.15	₹	₹	Ϋ́	N A	23.77	31.67
	Sample	Time	1215	1100	1040	1240	1110	1325	1345	1435	1240	1106	1145	1125	1310	1300	15201	12201	1205	1505	1130	1055
	Sample	Date	5/23/2013	5/23/2013	5/23/2013	5/23/2013	5/24/2013	5/22/2013	5/22/2013	5/24/2013	5/22/2013	5/17/2013	5/17/2013	5/22/2013	5/24/2013	5/22/2013	5/17/2013	5/17/2013	5/17/2013	5/17/2013	5/20/2013	5/20/2013
	Sample	Point	PW-13	PW-14	PW-15	PW-16	PW-17	. 42 :	بات د تر	B-7	B-11	B-15	B-16	B-17	W-5	Б. 13.	OD-1	00-2	00-281	0S-4	NESS-EAST	NESS-WEST

SAMPLE POINT	DATE	DEPTH TO	GASING ELEVATION	GW ELEVATION	TIME	Comments
	05/46/42	WATER		-9.27	1020	NO L NADL : NO D NADL
B-1	05/16/13	9.27			1230 1152	NO L-NAPL ; NO D-NAPL
B-10		11.58		-11.58		NO L-NAPL; NO D-NAPL
B-11		7.54		-7.54	1157	NO L-NAPL ;NO D-NAPL 11.55 BOT.
B-13		12.87		-12.87	1259	DRY @ 12.87
B-14		10.27		-10.27	1302	
B-15		7.22		-7.22	1309	NO L NARL NO R MARL 40 00 ROT
B-16		7.66		-7.66	1315	NO L-NAPL ;NO D-NAPL 13.20 BOT.
B-17		10.25	***************************************	-10.25	1125	NO L-NAPL ; NO D-NAPL
B-2		10.28		-10.28	1228	NO L-NAPL ; NO D-NAPL
B-4		16.94		-16.94	1112	NO L-NAPL ; NO D-NAPL
B-5		13.34		-13.34	1110	NO L-NAPL ; NO D-NAPL
B-7		15.10		-15.10	1246	NO L-NAPL ; NO D-NAPL
B-8		10.78		-10.78	1146	NO L-NAPL ; NO D-NAPL
BR-1		7.54		-7.54	1159	NO L-NAPL ; NO D-NAPL
BR-102		22.79		-22.79	1225	
BR-103		6.31		-6.31	1230	
MW-103		1.67		-1.67	1232	
BR-104		11.64		-11.64	1229	
MW-104		6.33		-6.33	1228	
BR-105		22.45		-22.45	1215	
BR-105D		25.57		-25.57	1140	
MW-105		18.77		-18.77	1142	
BR-106		21.24		-21.24	1153	
MW-106		11.17		-11.17	1154	
BR-108		28.48	3	-28.48	1204	
MW-108		29.01		-29.01	1203	
BR-111		28.10		-28.10	1105	
BR-111D		29.05		-29.05		
BR-112A		27.03		-27.03		
BR-112D		36.2		-36.21		
BR-113		31.19		-31.19		

SAMPLE POINT	DATE.	DEPTIH TO WATER	CASING ELEVATION	©W Elexamon	TIIME	e Comments
BR-113D		31.28		-31.28	1131	
BR-114	05/16/13	13.45		-13.45	1226	
MW-114		10.03		-10.03	1225	
BR-116		28.28		-28.28	1238	
BR-116D		35.76		-35.76	1240	
BR-117		24.00		-24.00	1330	CASCADING WELL
BR-117D		50.28		-50.28	1332	
BR-118		23.70	-1-1-	-23.70	1310	
BR-118D		49.12		-49.12	1312	
BR-122D		45.41	****	-45.41	1257	
BR-123D		45.77		-45.77	1253	
BR-124D		31.58		-31.58	1248	
BR-126		9.08		-9.08	1327	
BR-127		12.85			1154	NO L-NAPL
MW-127		8.39			1153	NO L-NAPL ; NO D-NAPL
BR-2		10.75		-10.75	1123	NO L-NAPL ; NO D-NAPL
BR-2A		11.71		-11.71	1120	NO L-NAPL ; NO D-NAPL
BR-2D		0.05		-0.05	1124	NO L-NAPL ; NO D-NAPL
BR-3		11.58	*******************	-11.58	1139	NO L-NAPL
BR-3D		55.22		-55.22	1138	NO L-NAPL ; NO D-NAPL
BR-4		6.15		-6.15	1127	NO L-NAPL
BR-5		13.69		-13.82	1204	NO L-NAPL ; NO D-NAPL
BR-5A		17.32		-17.32	1203	NO L-NAPL
BR-6A		15.72		-15.72	1145	NO L-NAPL
BR-7		30.38		-30,38	1242	NO L-NAPL
BR-7A		19.46		-19.46	1243	NO L-NAPL ; NO D-NAPL
BR-8		13.61		-13.61	1109	NO L-NAPL ; NO D-NAPL
BR-9		31.64		-31.64	1226	NO L-NAPL
C-2A		11.91		-11.91	1121	NO L-NAPL ; NO D-NAPL
C-3						BURIED
C-5		11.73		-11.73	1140	NO L-NAPL ; NO D-NAPL

SAMPLEROINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME	Comments.
E-2		8,66	**************************************	-8.66	1128	NO L-NAPL ; NO D-NAPL
E-3		4.52		-4.52	1205	NO L-NAPL ; NO D-NAPL
E-5	05/16/13	6.02		-6.02	1201	NO L-NAPL ; NO D-NAPL
EC-1		17.42		-17.42	1145	
EC-2		DRY		#VALUEI	1238	DRY
ERIE CANAL		32.96		-32.96	1140	
MW-16		11.77		-11.77	1233	
MW-3		6.14		-6.14	1155	
MW-G6		4.35		-4.35	1157	
MW-G7		470-30-40-40-40-40-40-40-40-40-40-40-40-40-40	***************************************			NOT LOCATED
MW-G8		7.89		-7.89	1150	
MW-G9		10.95		-10.95	1153	
N-2		4.46		-4.46	1202	NO L-NAPL ; NO D-NAPL
N-3		6.75		-6.75	1232	NO L-NAPL
NESS-E		23.27		-23.27	1212	
NESS-W		31.45		-31.45	1217	
PW-10		9.04		-9.04	1126	NO L-NAPL
PW-12		6.94		-6.94	1209	NO L-NAPL
PW-13		25.21		-25.21	1239	NO L-NAPL; NO D NAPL
PW-14		43.86	3	-43.86	1131	NO L-NAPL
PW-15		9.77	,	-9.77	1135	NO L-NAPL
PW-16		14.53	3		1111	NO L-NAPL
PW-17		11.68	3		1141	NO L-NAPL ; NO D-NAPL
PZ-101		16.36	3	-16.36	1217	
PZ-102		15.71	1	-15.71	1255	
PZ-103		14.19	9	-14.19	1253	
PZ-104		14.45	5	-14.45	1257	
PZ-105		12.35	5	-12.35	1147	NO L-NAPL ; NO D-NAPL
PZ-106		12.59	Э	-12.59	1130	NO L-NAPL ; NO D-NAPL
PZ-107		11.88	3	-11.88	1151	NO L-NAPL ; NO D-NAPL

SAMPLEIPOINT	DATE	DEPTIH TIO WATTER	CASING ELEVATION	EUEVATIION	TIME	Comments
PZ-109	05/16/13	9.03		-9.03	1136	NO L-NAPL; NO D-NAPL
PZ-110		10.07			1140	NO L-NAPL ; NO D-NAPL
PZ-111		8.11			1144	NO L-NAPL ; NO D-NAPL
W-2		12.08	1004772	-12.08	1227	NO L-NAPL ; NO D-NAPL
W-5		10.40		-10.40	1240	NO L-NAPL ; NO D-NAPL
					P CONTRACTOR OF THE CONTRACTOR	
			1			
					,	
			<u></u>			

Facility:	201	V24			Sample Poir	nt ID:	GD-1		
Field Person	nel:	R. SR	vr_		Sample Mat		•		
S/AVATPLING	IINFOIRIYIAVI	NONE -					√) Grab ()	Composite	
Date/Time	5-17-1	3 1/	520		Water Level	@ Sampling	, Feet:	2/2	
Method of S	ampling:	N,	1520 19N49C	6195	- 200	Dedicated:	(Ƴ/N		
Multi-phased	d/ layered:				If YES:	() light	() heavy		
SAMPLING		'							
Time	Temp. (°C)	pH (SU)	Condu (µmhc	uctivity os/cm)	Turb. (NTU)	Other (<i>ORP</i>)	Other (
1525	13.8	7.49 1642		2		111			
IMSTIRUME	NIT GAVLIBYE	/ATTHOIN/OHIE	GK DATAF						
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)	
C						(1 10%)			
Solution ID#					<u> </u>				
L		•						<u> </u>	
	INFORMAT				The state of the s				
Weather co	nditions @ ti	me of sampli	ng: SUA	vay 60	a/_	·	**************************************		
Sample Cha	racteristics:	CLRA	1						
COMMENT	S AND OBS	SERVATION	S:						
							-		
I certify that	sampling p	rocedures we	re in accord	ance with al	l applicable l	JSEPA, State	and Site-Spe	cific	
Date:	5 1/7//3	_ By: [′]	3	9		_ Company:	Tal		

Facility:	20	NZ A			Sample Poin	it ID:	90-2 5/n	
Field Person	nel:	R.S.	INF		Sample Matr	ix:	5/w	
SZNYPLÍNG							∭ Grab ()	Composite
Date/Time	5-17-1	3 17	1220	RS	Water Level	@ Sampling	, Feet:	N/4
Method of Sa	ampling:	M	ONUOL	GRAB		Dedicated:	(Y) N	
Multi-phased	/ layered:	() Yes)∕() No		If YES:	() light	() heavy	
SAMPLING								
Time	Time Temp. pH Cond (°C) (SU) (μmh				Turb. (NTU)	Other (<i>Oペト</i>)	Other (
1225	12.8	7,96 1637		7	***************************************	-109		
IMSTIRUME	NT GALLIBR	ATTRONVOITE	OK/DATAS					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal,Std 10 NTU	Check Std 10 NTU (± 10%)
			-					
Solution ID#								
Sample Cha	nditions @ til	me of sampli	97					
COMMENT	S AND OBS	SERVATION	S:					
						, , , , , , , , , , , , , , , , , , ,	***************************************	
I certify that protocals.	, ,		ere in accord	1			and Site-Spe	ecific

Facility:		WZA			Sample Poir	nt ID:	90-251 CANAL	
Field Persor	nnel:	R.59	WF		Sample Mat	rix:	CANA	۷
SAVMPLING	HINFORMAT	IONs					∭ Grab ()	Composite
Date/Time	<u>5-/7-/</u>	·3 1	1205		Water Level	@ Sampling	, Feet:	NA
Method of S	ampling:		DIPPER			Dedicated:	Y (N)	
Multi-phase	d/ layered:	() Yes	 No		If YES:	() light	() heavy	
SAMPLING								
Time	Temp. (°C)	pH (SU)	-		Turb. (NTU)	Other	Other (·
1210	16.1	8,03	515		1	-58		
//NST/RUME	INTEGALLER							
<u> </u>								
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
					·			
Solution ID#								
Weather co	INFORMATIONS @ tirestracteristics:	ne of sampli	i a e	•				
				************************	***************************************			
						······································		
						M		
I certify that protocals.	t sampling pr	ocedures we	re in accorda	ance with al	l applicable L	JSEPA, State	and Site-Spe	cific
Date:	5/17/13	Ву:	3	/		_ Company:	TAL	

Facility:	60.	NZA			Sample Poir	nt ID:	95-4	4
Field Person	nel:	R.SEA	1/2		Sample Mati		5ERP	
Saviriling	IINFORWATI	TION!					(X) Grab ()	Composite
Date/Time	5-17-1	3 11	1505		Water Level	@ Sampling	, Feet:	W/A
Method of Sa		M		GAMM		Dedicated:	(Y) N	
Multi-phased	l/ layered:	() Yes	(J) No		If YES:	() light	() heavy	
SAMPLING	DATA:	/						
Time	Temp. (ºC)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (グペタ)	Other ()	
1510	13.2	7.24 1824				115	,	
INSTRUME	NTT GAVLIBIR	/ATTION//OHIE	CK DATA:					
						Check.Std	1	
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
<i>C</i> *								
Solution ID#								
Sample Cha	NATIONAL CONTRACTOR OF THE PARTY OF THE PART	me of sampli			0%			
							·	
								
I certify that protocals.	1				l applicable L		·	ecific
Date:	5/1/13	_ Ву:	05-	<u> </u>		_ Company:	TAC	

Facility: Lon2A	Sample Point ID: P2-101
Field Personnel:	Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 / 1037	Cond of seal: (A) Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	() Damageu
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION:	
Date / Time Initiated: 5:20-13 / 1040	Date / Time Completed: S.20-17 / 1100
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Persty (1) (
One (1) Riser Volume, Gal:	Dedicated:
Total Volume Purged, Gal:	Purged To Dryness Y / 🕦
Purge Observations:	Start Cler Finish Cler
PURGE DATA: (if applicable)	

Time	Purge (gpm		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other PO
1045	120 W/W	16.61		16.2	6.72	2486	13,06	111	0.22
1050				16.6	6.75	2476	8.68	109	0.20
1055				16.7	6.71	2475	7.92	109	0-19
1100		1		16.9	6.72	2475	7.01	108	0.17

SAMNU & 1100 /5-20-13

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SAMPLING	NFORMA	TION:						A. S.
POINT ID _								
Date/Time _				_	Water Leve	l @ Sampling	, Feet:	-
Method of Sar	mpling:					_Dedicated:	Y / N	
Multi-phased/	layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING D	DATA:							1
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
				,				
INSTRUMEN	T CALIBR	ATION/CHE	K DATA:		•		0.1	
				1		Check.Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL IN	IFORMAT	ION:						
Weather cond			a:				35.45.24.20.00000000000000000000000000000	
Sample Chara		_						
COMMENTS	AND OB	SERVATIONS	-					
•								
	<u> </u>							
			· · · · · · · · · · · · · · · · · · ·					
I certify that sa	ampling pı	ocedures were	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	С
Date:	1 1	Ву:				Company:		

Facility:	Sample Point ID: $P2-10^{\circ}2$ Sample Matrix: EW
Field Personnel:	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5.20-/3 / 10-1/37	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Damageu
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm,/
PURGE INFORMATION:	
Date / Time Initiated: 5-26-13 / 1140	Date / Time Completed: 5.20-13 / 1201
Surf. Meas. Pt: () Prot. Casing (A) Riser	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Pearstaltic
One (1) Riser Volume, Gal:	Dedicated: Y I(N)
Total Volume Purged, Gal:	Purged To Dryness Y / (Ñ)
Purge Observations:	Start Cler Finish
PURGE DATA: (if applicable)	

Time	(gpn	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ONA	Other OO
1150	100	15.90		16.1	6.32	3244	1.07	-23	0.33
1155				15.7	6.82	3251	1.01	-25	0.32
1200				15.5	6.82	3250	0.93	ーマフ	0.30
1205		V		16.2	6.82	3257	0.95	-29	0.28
									:

SAMNU @ 1207 /5-2013'

Orm 12/20/11 Page 1 of 2

SAMPLING	INFORMA	TION:						* · ·
POINT ID								
Date/Time				-	Water Leve	l @ Sampling	, Feet:	
Method of Sa	mpling:		· · · · · · · · · · · · · · · · · · ·			_Dedicated:	Y / N	
Multi-phased	/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other ()	-
INSTRUMEN	NT CALIBE	RATION/CHEC	EK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL II		ION: me of samplin	g:					
		• -			-		-,	
		SERVATIONS						
							d .	
l certify that s	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	c
Date:	1 1	_ By: _				Company:		

Field Personnel: PL, RS, PN, TW	Sample Point ID: P2-103 Sample Matrix: 6W
MONITORTING WELLINSPECTION:	
Date/Time 5-17-13 1 /3/3	Cond of seal () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked ≯ Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() = amagea
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm' /
PURGE INFORMATION:	
Date / Time Initiated: $5-17-13/1315$	Date / Time Completed: 5-17-13 / 1330
Surf. Meas. Pt⊢() Prot. Casing () Riser	Riser Diameter, Inches: 2.0
Initial Water Level, Feet:/43	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Percelatic
One (1) Riser Volume, Gal:	Dedicated: Y / N
Total Volume Purged, Gal:	Purged To Dryness Y / N
Purge Observations: Low Flow	Start Clear Finish Cler/

PURGE DATA: (if applicable)

Time	Purge F (gpm/l		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OAL	Other <i>O</i> 0
1320	<u> </u>	WL 5,12		14.3	6,78	3055	7.05	-61	0.56
1325				14.5	6-79	3069	1.9[-61	0.52
1330	1	1		14.6	6-77	3074	1.70	-63	0.49
	,								

Sangud on 5-17-13 @ 1330 / 18/13

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time	Date/Time / Water Level @ Sampling, Feet:							
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:						,	1
Time	Temp. (°C)	pH Conductivity (std units) (µmhos/cm)		Turb. (NTU)	Other ()	Other (
INSTRUME	INSTRUMENT CALIBRATION/CHECK DATA:							
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
				(2 10 70)	F	(± 10%)		
Solution ID#	Solution ID#							
GENERAL INFORMATION:								
			a.					
	_	me of samplin						
		SEDVATIONS						
COMMENTS	S AND OBS	SERVATIONS) ,		<u> </u>			
,								

I certify that s	sampling pr	ocedures wer	e in accorda	ance with all	applicable El	PA, State and	l Site-Specifi	C .
Date:	1 1	_ By:				Company:		

Facility: $LONZA$ Field Personnel: $PL_{r}RS_{r}PN_{r}TN$	Sample Point ID: PZ - 109 Sample Matrix: 6'W
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 / / 003	Cond of seal: (Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked √) Good () Loose
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm'/
PURGE INFORMATION:	
Date / Time Initiated: $\frac{5-17-13}{1005}$	Date / Time Completed: <u>5-17-13/1025</u>
Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches: 2.0
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristatic
One (1) Riser Volume, Gal:	Dedicated:
Total Volume Purged, Gal:	Purged To Dryness Y / 🕅
Purge Observations: <u>/ ow Flow</u>	Start Clear Finish Clear

Ī	Ti	Dunna Data	Cumulativa	Tomp	l nu	Conductivity	Turb	Othor	Othor
İ	Time	Purge Rate	Cumulative	Temp.	рН	Conductivity	Turb.	Other	Other

Time	Purge Rat		Temp.	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other Ø
1010	150 14,4		13.7	6.95	Z63B	0.2	-178	0.49
1015	14.4	9	13.8	6.99	2628	4.99	-92	0.51
1020	14.4	19	13.8	6.93	2616	4-64	-102	0.52
1025	14.5	-1	13.7	6.91	2592	4.52	-110	0.57

Sampled

Page 1 of 2

NYFS GW Form 12/20/11

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time					Water Level	@ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH Conductivity (std units) (μmhos/cm)		Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBE	RATION/CHE	CK DATA:			125		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
		·				(± 10%)		
Solution ID#	Solution ID#							
GENERALINFORMATION:								
1000 3400 400 500 100 200 400 200 200 200 200 200 200 200 2		2000 (2000 (2000 (2000) 200) 200 (200) 20						
	_	me of samplin				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
COMMENTS	S AND OBS	SERVATIONS	5:					
		na amanda de la compania de la comp						
						<u></u>		***************************************
I certify that sprotocals.	sampling pr	ocedures wer	e in accorda	ınce with all	applicable El	PA, State and	l Site-Specifie	c
Date:	1 1	_ By: _				Company:		

Facility: LON2A	Sample Point ID: P2-105
Field Personnel:	Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time 5-21-13 1 1117	Cond of seal: () Good () Cracked % () None MBuried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	() Damagea
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION:	
Date / Time Initiated: 5-2113 / 1120	Date / Time Completed: 5.2/ 13/ 1140
Surf. Meas. Pt: () Prot. Casing (*) Riser	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge:
One (1) Riser Volume, Gal:	Dedicated: Y /
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations:	Start Gry Finish Gry
PURGE DATA: (if applicable)	

Time	1	ge Rate m/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (μmhos/cm)	Turb. (NTU)	Other	Other OD
1125	MU/m 150	12.13		17.6	7.06	1449	93c	-142	0.52
1130		12,15		17.9	7.01	1415	94	-140	6,50
1185			i	18.2	7.00	1399	92	= 138	0.49
1140	1			18.5	6-93	1393	93	-138	0.48

Spril @ 1140 /5-21-13

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				-	Water Leve	l @ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							ı
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (•
								· ·
INSTRUMENT CALIBRATION/CHECK DATA:								
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
						(2 10/6)		
Solution ID#	Solution ID#							
GENERAL INFORMATION:								
11.1		me of samplin	a.					
		me or samping						
COMMENT	S AND OB	SERVATIONS); 					
			,					
I certify that protocals.	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	3
•	1 1	_ By: _		··· <u>-</u> .		Company:		
			·					

Facility: Longh	Sample Point ID: P2-106 Sample Matrix: 6W				
Field Personnel:	Sample Matrix: 6 W				
MONITORTING WELL INSPECTION:					
Date/Time 5.21-13 / 1325	Cond of seal: () Good () Cracked % () None (A)_Buried				
Prot. Casing/riser height:	Cond of prot. Casing/riser (Unlocked () Good				
If prot.casing; depth to riser below:	() Loose () Flush Mount () Damaged				
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /				
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /				
PURGE INFORMATION:					
Date / Time Initiated: <u> </u>	Date / Time Completed: S21-13/1355 Riser Diameter, Inches: 2.0				
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2.0				
Initial Water Level, Feet: 12.58	Elevation. G/W MSL:				
Well Total Depth, Feet:	Method of Well Purge: Peristate				
One (1) Riser Volume, Gal:	Dedicated: Y / 🕥				
Total Volume Purged, Gal:	Purged To Dryness Y / N Clear				
Purge Observations:	Start Yellow Finish Yellow				
PURGE DATA: (if applicable)					

Time		e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1340	MLL	12.64		18-2	5.89	9973	20-3	-4	0.52
1345		12,69		18-3	5.92	9990	17,8	-3	0.50
1350		12.75		17.9	5.90	10,000	15.25	-2	0.49
1355	1	12.81		17.5	5.90	10,010	14.75	-2	0.48

NYFS GW Form 12/20/11

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				-	Water Leve	I @ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBE	RATION/CHE	CK DATA:					
					T	Check.Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL I	NFORMAT	ION:						
S 10 M 10	***	me of samplin	a:					
	_							
		SERVATIONS				· · · · · · · · · · · · · · · · · · ·		
COMMENTS	S AND OD	SERVATIONS) <u>u</u>					
		<u></u>						
							-	
I certify that protocals.	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specifi	c
•	1 1	_ By: _				Company:		

Facility: LONZA	Sample Point ID: PZ-167				
Field Personnel: ρ_{ℓ}, ρ_{ℓ}	Sample Matrix: 6w				
MONITORTING WELL INSPECTION:					
Date/Time 5-21-13 , 1253	Cond of seal: () Cracked % () None () Buried				
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged				
If prot.casing; depth to riser below:	() Damaged				
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/				
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /				
PURGE INFORMATION:					
Date / Time Initiated:	Date / Time Completed: 5.21-(3/ps/13)				
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2.0				
Initial Water Level, Feet:	Elevation. G/W MSL:				
Well Total Depth, Feet:	Method of Well Purge:				
One (1) Riser Volume, Gal:	Dedicated: Y / 🕥				
Total Volume Purged, Gal:	Purged To Dryness Y / 📢				
Purge Observations:	Start <u>Clerr</u> Finish <u>Clear</u>				
PURGE DATA: (if applicable)					

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other OV
1300	MCHA 200	12/3		17.1	6.98	3449	5.39	-89	0-62
1305				17.5	6.95	3440	5,27	- %	0.60
1310				17.6	6.90	3439	5.20	-91	0.59
1315	L			17.9	6.90	3435	5.18	-91	0.58
	>								
		,							

SAMU D @ 1315 | 5-21-13 NYFS GW Form 12/20/11 Page 1 of 2

SAMPLING	INFORMA	TION:								
POINT ID										
Date/Time /					Water Level @ Sampling, Feet:					
Method of Sa	ampling:					_Dedicated:	Y / N			
Multi-phased	/ layered:	() Yes	() No		If YES:	() light	() heavy			
SAMPLING	DATA:					****				
Time	Temp.	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (Other (
	· · · · · · · · · · · · · · · · · · ·									
			galaca and the same and the sam	and the state of t		garagegan g	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, <i>•</i> 		
INSTRUMEN	NT CALIBE	ATION/CHEC	ΩΚ ΠΔΤΔ•							
INSTITUTE	VI GALIDI	T				Check.Std				
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)		
Solution ID#										
GENERALI	NEORMAT	ION:								
			a:							
		me of samplin								
COMMENTS	S AND OBS	SERVATIONS	5:					· · · · · · · · · · · · · · · · · · ·		
		. <u></u>								
							 .			
			<u></u>							
	 .		, .			DA 04-4	l Olfa On '6'			
I certify that protocals.	sampling p	rocedures wer	e in accord	ance with all	аррисаріе Е	ra, State and	i Site-Specifi	C		
Date:	1 1	_ By: _				Company:				

Field Personnel: M, N, Tw	Sample Point ID: BR-3 Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time 5-22-13 1015	Cond of seal: () Good () Cracked % () None (N) Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: (*) Unlocked () Good () Loose () Flush Mount
If prot.casing; depth to riser below:	() Damaged
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm
PURGE INFORMATION:	
Date / Time Initiated: 5.22-/3 / 1017	Date / Time Completed: 5-72-13 / 16 Yo
Surf. Meas. Pt: M Prot. Casing Initial Water Level, Feet: Well Total Depth. Feet:	Riser Diameter, Inches:
Initial Water Level, Feet: 11.65	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Perising to
One (1) Riser Volume, Gal:	Dedicated: Y / N
Total Volume Purged, Gal:	Purged To Dryness Y (N)
Purge Observations:	Start Y-1100 Finish Yellow
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1025	100	11.67		18.1	7.04	10,600	21,2	-190	0.47
1030		11.69		18,0	7.09	10,620	23.9	-187	0.45
10.35		1170		17.7	7.11	10.630	22.1	-186	0.43
0040	\downarrow	11:72		18.3	7.10	10,630	20-3	-185	0.42

SAMO 1040/5-22-13 pl

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time					Water Leve	l @ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other ()	Other ()	
INSTRUMEN	NT CALIBE	ATION/CHE	ČK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERALI	NFORMAT	ION:	i Piri		<u>.</u>			
Weather con-	ditions @ ti	ime of samplin	ıg:					
Sample Char	acteristics:							
COMMENTS	S AND OB	SERVATIONS	S:					
I certify that	compling p		e in accord:	anco with all	annlicable E	DA State and	l Sita Spacifi	•
protocals.	Sampling p	roceaures wer	c iii dooorai	ance with an	applicable L	r A, State and	i oite-opeciii	C

acility:	Low	24			Sample Poir	nt ID:	BA-5A		
eld Personi	nel:	Plus	PN		Sample Mat				
ZVMENLING:	INEORIWA	TIKON:					♠ Grab ()	Composite	
ate/Time			1125		Water Level	@ Sampling	, Feet:	19.63	
ethod of Sa			male.		v.	Dedicated:	W/N		
ulti-phased	// layered:	() Yes	(A) No		If YES:	() light	() heavy		
AMPLING	DATA:								
Time	Temp. (°C)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (OR)	Other (
1129	14,7	7.71	1442		18-29	-115			
NSTIRUME	NTI GALIBI	RVATIJON/CIH	EGK DATA						
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Sto 10 NTU (± 10%)	

olution ID#							<u> </u>		
Solution ID#	INFORMA	TIIONE			μmhos/cm	(± 10%)			
Veather cor	nditions @	time of samp	oling:	clouds	70			***************************************	
Sample Cha	racteristics); 	Cler	Rus	1 TIN	1			
COMMENT	S AND OE	SERVATIO	NS:						
			•						
						***************************************		, <u>, , , , , , , , , , , , , , , , , , </u>	
					· · · · · · · · · · · · · · · · · · ·				
								· · · · · · · · · · · · · · · · · · ·	
•	t sampling	procedures v	were in accord	dance with a	ll applicable	USEPA, State	and Site-Spe	ecific	
orotocais.									
protocals. Date:	41		M	$\hat{}$		_	- T- N	10.	

Facility: LONZA	Sample Point ID: BR-64 Sample Matrix: GW
Field Personnel: PC, PN	Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-21-/3 / 1263	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION:	
Date / Time Initiated: 5-21-13 / 1205	Date / Time Completed: 5-21-13 / 1230
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 40
Initial Water Level, Feet: 13.78	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Penistatil
One (1) Riser Volume, Gal:	Dedicated: Y / 🕟
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations:	Start <u>Struber</u> Finish 7100
PURGE DATA: (if applicable)	

Time	(gpn	Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OA!	Other <i>OO</i>
1215	m Vm 200	WL 13.30		19.7	7.39	4391	41.7	-219	6.41
1220		ì		20.2	7.42	4482	25.1	-270	6.40
1225				199	7,42	4482	24.6	-220	0.38
1230	4			1917	7.45	4479	23.9	-222	0.37

SAMRICE 1230 / 5-21-13 DL 2

SAMPLING	INFORMA	TION:				1442		
POINT ID								
Date/Time			_	_	Water Leve	l @ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							,
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other (: - -
	and the second s							
INSTRUMEN	NT CALIBE	RATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL II	NFORMAT	ION:						
Weather cond	ditions @ ti	ime of samplin	g:					
Sample Char	acteristics:	<u></u>						
COMMENTS	S AND OBS	SERVATIONS	5:					·
							1 :	
	,						ŧ	
I certify that s protocals.	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specific	C
Date:	1 1	By: _				Company:		

Facility:	Low	24			Sample Poir	nt ID:	BR-719	BR-7A	
Facility: _	nel:	PLI	2n		Sample Mati				
SAWIPLING	INFORWAYI	TIONE :					(A) Grab ()	Composite	
Date/Time	5-23-1	3 1	1155		Water Level	@ Sampling	, Feet:	21.90	
Date/Time	ampling:	SA	m Ple	DOT		Dedicated:	(9/N		
Multi-phased	i/ layered:	() Yes	⊮ No		If YES:	() light	() heavy		
SAMPLING	DATA:								
Time	Temp. (°C)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (OK)	Other (
1157	15.1	7,39	1839		5:73	-134			
TNISTERUME	NITE ØZVETETE	VATTI (O)NV.GIHI	ECK DATAS						
		T				Chook Std			
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)	
Solution ID#					1				
CENERAL	INFORWAT	TION:			The state of the s				
Weather co	nditions @ ti	me of samp	ling:	Claus	70			·	
Sample Cha	racteristics:		clei-						
COMMENT	S AND OB	SERVATIO	NS:						
l certify that	t sampling p	rocedures v	vere in accord						
Date:	5 1231 /3	<u>з</u> Ву:	J.	12	-	Company	:	9 C.	

Facility: LONZA	Sample Point ID: BR-8
Field Personnel: PL, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-22-19 / 1350	Cond of seal: () Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /
PURGE INFORMATION:	
Date / Time Initiated: 5-22/3/ 1400	Date / Time Completed: 522.73 / 1421
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Perising to
One (1) Riser Volume, Gal:	Dedicated: Y / 슚
Total Volume Purged, Gal:	Purged To Dryness Y / KD Cler -
Purge Observations:	Start Yellow Finish Yellow 701
PURGE DATA: (if applicable)	

Time	(gpn	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other €
1410	200	13,13		18.4	7.90	5580	7.37	-24	0.32
1415	ì			16.4	7.90	5466	6.99	-30	0.30
1420				16.2	7.91	5460	5.02	-31	0-29
1425	V	1		16.5	7.41	5458	4.76	-3/	0.27
5	And		1425/5.2	2./3					
NYF	S GW For	m 12/20/11	A ?		Page 1 of 2				

SAMPLING	INFORMA	TION:					7. 5	
POINT ID								
Date/Time				_	Water Leve	· · · · · · · · · · · · · · · · · · ·		
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)		luctivity os/cm)	Turb. (NTU)	Other ()	Other ()	
INSTRUMEN	NT CALIBE	RATION/CHEC	K DATA:				1	
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
	ditions @ ti	ION: me of samplin						
COMMENTS	S AND OBS	SERVATIONS						***************************************
	•.						7	
							7770.74V4	***************************************
I certify that s protocals.	sampling pı	rocedures were	e in accorda	ance with all	applicable E	PA, State and	Site-Specific	c
Date:	1 1	By:			entrar anomina no del Pole Matri	Company:		

Facility:					Sample Poin	it ID:	BR-	BR-9	
Field Person	nel:	Pl. P.	~		Sample Matr				
SAMPLING	INFORMATI	T/ŌĬN₽:	T_{ij}			7	(≺) Grab ()	Composite	
Date/Time	5-23-1	3 1	1145		Water Level	@ Sampling	Feet:	27.97	
Method of Sa	ampling:	SA	nAc ,	DOTT		Dedicated:	Y / N		
Multi-phased	l/ layered:	()Yes	YTNO		If YES:	() light	() heavy		
SAMPLING	DATA:	•							
Time	Temp. (°C)	pH (SU)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (ORF)	Other (
1146	16,5	7.31	208	2087		-86			
TRISTIRUME	NITE GALLIETE	ATHON/GHE	ŒK DATA:				All the second s		
		I		T		Check.Std			
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)	
						(± 10%)			
Solution ID#									
GENERAL Weather cor Sample Cha	nditions @ ti	me of sampli	Cherr			w 70			
I certify that protocals.						JSEPA, State _ Company:			
700 W. W. W. F	<u> </u>				· · · · · · · · · · · · · · · · · · ·				

Facility: LONZA	Sample Point ID: $BR-103$ Sample Matrix: GW
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-22-13 10-55	Cond of seal: () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) / /
PURGE INFORMATION:	
	Date / Time Completed: 5-22-13 / 1125
Date / Time Initiated: $5-22-13/100$	Date / Time Completed: 5-22-13 / 1/25 Riser Diameter, Inches: 4.0
	4.0
Date / Time Initiated: $5-22-13$ / 1/00 Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches: 4.0
Date / Time Initiated: 5-22-13 / 1100 Surf. Meas. Pt: () Prot. Casing Riser Initial Water Level, Feet: 6.35	Riser Diameter, Inches: ### A.O Elevation. G/W MSL:
Date / Time Initiated: 5-22-13 / 1100 Surf. Meas. Pt: () Prot. Casing Riser Initial Water Level, Feet: 6.35 Well Total Depth, Feet:	Riser Diameter, Inches: Elevation. G/W MSL: Method of Well Purge: PRAISTACTIC
Date / Time Initiated: 5-22-13 / 1100 Surf. Meas. Pt: () Prot. Casing Riser Initial Water Level, Feet: 6.35 Well Total Depth, Feet: One (1) Riser Volume, Gal:	Riser Diameter, Inches: Elevation. G/W MSL: Method of Well Purge: Dedicated: N

Time		ge Rate m/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OA!	Other <i>D</i> 0
1110	me 100	6,40		13,7	7.01		CCRAN	-80	0.95
1115	\	6,40		13,5	7,10	1		-77	0,82
1120		6.40		13.5	7,12		V _	- 75	0,80
1125	1	6. +0		13,5	7,12	772	5,32	-74	0.79
		1							

SAMPLING	INFORMA	TION:						
POINT ID	BR-,	103						
Date/Time	5-22	-/3 1	1130	<u>.</u>	Water Level	l @ Sampling	, Feet:	
Method of S	Sampling:	A-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-				_Dedicated:	Y / N	
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							,
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:	***	- V			
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
						(10%)		
Solution ID#								
GENERAL	INFORMAT	ION:						
		me of samplin	a: Sun	wy 75	5°F	·		
		Cu						
		SERVATIONS						
		-						
								MIPOTOPI MI COLO TILI TILI TILI TILI TILI TILI TILI T
		·				-		
				aggining and a second a second and a second				
I certify that protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable El	PA, State and	l Site-Specific	
Date:	5/22/13	Ву: _	3/	7		Company:	TOC	

Facility: LONZA	Sample Point ID: BR-104
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELLINSPECTION:	
Date/Time 5-22-13 1 1215	Cond of seal: Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm, / /
PURGE INFORMATION:	
Date / Time Initiated: 5-22-13 / 1220	Date / Time Completed: 5-22-13/12.50
Surf. Meas. Pt: () Prot. Casing (Riser	Riser Diameter, Inches: 4.0
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: PREISTALTIC
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y N
Purge Observations:	Start CLAGA Finish CLAG

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	n/htz) Volume		pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OAL	Other 00	
1230	100 WL		12.4	8,02	385	13,7	42	0,85	
12.35	100		12.4	7.95	381	9,25	-36	0,73	
1240	100		12.3	7,92	386	9,13	-35	0,75	
1245	100		12.3	7.89	383	9,10	-34	0,76	
12.50	100		12.3	7,87	382	9,13	-35	0,75	

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				_	Water Level	@ Sampling	, Feet:	
Method of S	ampling:					Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							•
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other ()	Other (
								i
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:	7324				
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU	Cal.Std 1,413	Check.Std 1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU
				(± 10%)	µmhos/cm	(± 10%)		(± 10%)
Solution ID#								
GENERAL I	NFORMAT	ION:						
Weather con	ditions @ ti	me of samplin	g:					
Sample Char	acteristics:							
COMMENTS	S AND OBS	SERVATIONS):				*	
·····								

	••		•			24.04.4	104-0-15	
I certify that sprotocals.	sampling pr	ocedures wer	e in accorda				Site-Specific	;
Date:	5/122/13	By:	05/	2		Company:	TIOC	

Facility: LONZA	Sample Point ID: BR-105						
Field Personnel: TW. PL, RS, PN	Sample Matrix: 6 W						
MONITORTING WELL INSPECTION:							
Date/Time 5-20-13 / 1402	Cond of seal: () Good () Cracked % () None () Buried						
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount						
If prot.casing; depth to riser below:	() Damaged						
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/						
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm'/						
PURGE INFORMATION:							
Date / Time Initiated: 5-20-13 / 1405	Date / Time Completed: 5-20-13/1420						
Surf. Meas. Pt: () Prot. Casing (7) Riser	Riser Diameter, Inches:						
Initial Water Level, Feet: 22.93	Elevation. G/W MSL:						
Well Total Depth, Feet:	Method of Well Purge: Peristaltic						
One (1) Riser Volume, Gal:	Dedicated: (Y)/ N						
Total Volume Purged, Gal:	Purged To Dryness Y						
Purge Observations: Low Flow	Start clur Finish clew						
PURGE DATA: (if applicable)							

NYFS GW Form 12/20/11

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OにP	Other
1410 -	mejmen 180	22.96		17.9	7.75	2267	19.8	-244 709 pm	
1415				17.7	7.68	2260	18.1	- Z94	
1420	,	<i>N</i>		17.6	771	2751	17.7	-239	
									
						, , ,			

Sampled

SAMPLING	INFORMA	TION:						
POINT ID	,							
Date/Time		11		_	Water Level	@ Sampling	, Feet:	
Method of S	ampling:	, , , , , , , , , , , , , , , , , , , 				_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:						-	
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (•
								;
					-			
								•
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:				Constant	
				Check Std	Cal.Std	Check.Std		Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	10 NTU (± 10%)
						(2 10/0/		
Solution ID#			•	<u> </u>				
GENERAL	INIEOPMAT	ION						
		me of sampli <u>n</u>						
COMMENT	S AND OBS	SERVATIONS);					
<u>,</u>								
I certify that protocals.	sampling pi	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	d Site-Specifi	С
•	, ,	D.				Company		
Date:	1 1	By:				_ company.		

Facility: LONZA	Sample Point ID: BR-105D					
Field Personnel: TW, PL, RS, PN	Sample Matrix: 6-60					
MONITORTING WELL INSPECTION:						
Date/Time 5-20-13 / 125%	Cond of seal: (Good () Cracked % () None () Buried					
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked (Good () Loose (Flush Mount					
If prot.casing; depth to riser below:	() Damaged					
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/					
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /					
PURGE INFORMATION:						
Date / Time Initiated: 5-20-13 / 1300	Date / Time Completed: 5-20-13/1326					
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2-0					
Initial Water Level, Feet: 25.42	Elevation. G/W MSL:					
Well Total Depth, Feet:	Method of Well Purge: Peccsfallic					
One (1) Riser Volume, Gal:	Dedicated: Y N					
Total Volume Purged, Gal:	Purged To Dryness Y					
Purge Observations: Low Flow	Start Colar Finish Clear					
PURGE DATA: (if applicable)						

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp.	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1310	BO BO	26-09		19.6	6.90	24996	3.56	-301	
1315		7		19.9	6.91	25180	3-25	-326	
1320	1	14		20.0	6-97	25680	3.37	-334	
- <u>-</u>									

Sampled on 5-20-13 @ 1320

NYFS GW Form 12/20/11

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SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				_	Water Level	@ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:			***************************************				
Time	Temp. pH (°C) (std units			uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
				Check Std	Cal.Std	Check.Std	· · · · · · · · · · · · · · · · · · ·	Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm	Cal.Std 10 NTU	10 NTU (± 10%)
				(± 1070)	ринозин	(± 10%)		(= 1070)
			LIGHT TO THE PARTY OF THE PARTY					
Solution ID#					<u> </u>	1	<u> </u>	
GENERAL								
Weather con	ditions @ ti	me of samplir	ıg:					
Sample Chai	acteristics:							
COMMENT	S AND OBS	SERVATIONS	S:					,
								
	sampling pı	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	c
protocals.								
Date:	1 1	_ By:				Company:		

Facility: LONZA	Sample Point ID: 1312-106
Field Personnel: 7h, PL, RS, PN	Sample Matrix: 6-60
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 / 1113	Cond of seal: (L) Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Bulliugou
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm'/
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13/1115	Date / Time Completed: 6-20-13 / 1140
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet: 23.67	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Perstage
One (1) Riser Volume, Gal:	Dedicated:
Total Volume Purged, Gal:	Purged To Dryness Y N
Purge Observations:	Start Crear Finish Clear
PURGE DATA: (if applicable)	

PURGE	DATA:	(if appl	icable)				

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ORP	Other
1125	150 h340	_	14.6	6.70	3431	10.1	38	0-91
1130			14-8	6-98	3459	14.2	-11	0.87
1135			14-6	6-93	3467	13.9	-16	0.87
1140			146	6.91	3463	13.2	-15	0.84
)		

Sampled

5-20-13 @ 1140

Page 1 of 2

SAMPLING	INFORMA	TION:				Large (
POINT ID								
Date/Time				_	Water Leve	l @ Sampling	, Feet:	
Method of Sampling:						_Dedicated:	Y / N	
Multi-phased	I/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	RATION/CHEC	K DATA:					
				Check Std	Cal.Std	Check.Std		Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	10 NTU (± 10%)
Solution ID#								
GENERALI	NFORMAT	ION:				150-2		
Weather con	ditions @ ti	me of samplin	g:					
		SERVATIONS						
OOMINERTO		<u></u>						
				· · · · · · · · · · · · · · · · · · ·				-
I certify that sprotocals.	sampling pı	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	3

Facility: LONZA	Sample Point ID: 13 12 - 108
Field Personnel: TW, PL, PS, PN	Sample Matrix: 6-6,
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 1 1018	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() 2 m m g o m
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm'/
PURGE INFORMATION:	
Date / Time Initiated: 5 720 - 13 / 1020	Date / Time Completed: $5-20-13/1025$ Riser Diameter, Inches: 4 "
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet: 28.48	Elevation. G/W MSL:
Well Total Depth, Feet: 29. אל	Method of Well Purge: <u>GAILEで</u>
One (1) Riser Volume, Gal: 0,82°	Dedicated: Y N
Total Volume Purged, Gal: / Ogul+o Dry	Purged To Dryness (Y) / N
Purge Observations:	Start Brown Finish Brown
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other のペア	Other වර
1445			19-2	7.94	1073	327	-187	

Sampled on 5-20-13 @1435 MABS

Page 1 of 2

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time		1		_	W ater Level	@ Sampling,	Feet:	
Method of Sa	ampling:					_Dedicated:	Y/N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)	Conductivity (μmhos/cm)		Turb. (NTU)	Other ()	Other (
INSTRUME	NT CALIBR	ATION/CHEC	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
;								
Solution ID#								
	ditions @ ti	ION: me of samplin					S. Canada	
COMMENTS	S AND OBS	SERVATIONS): 					
I certify that protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specifi	С
Date:	1 1	_ By: _				Company:		

Facility: LONZA	Sample Point I <u>D:</u> BR-112 P
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 / 1255	Cond of seal: (Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Daniagoa
Gas Meter (Calibration/ Reading): % Gas:	% LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13/1300	Date / Time Completed: 5-20-13/1320
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2.0
Initial Water Level, Feet: 36, 20	Elevation. G/W MSL:
Well Total Depth, Feet: 72.15	Method of Well Purge: BAICEN
One (1) Riser Volume, Gal: 5,9	Dedicated: Y N
Total Volume Purged, Gal: 18,0	Purged To Dryness Y (N)
Purge Observations:	Start CCAGC Finish CCAGC
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other 6Al	Other <i>0</i> 0
1310			10.8	7,13	2910	4.95	-207	C
1315			10,9	7,20	2612	10.8	-199	
1320			7,24	7,24	2528	10.5	-196	
			11.0 R	-			į	

SAMPLING									
POINT ID	BR-	112 D 113 /							
Date/Time	5/20/	113	1330	-	Water Level @ Sampling, Feet: 36, 22				
Method of S	ampling:	13	MICH C		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dedicated:	Y/N		
Multi-phase	d/ layered:	()Yes) Yes (X, No I			() light	() heavy		
SAMPLING	DATA:						1		
Time 1335	Temp.	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other	Other (
+616	7,31	7,31	25	22	8,57	-201			
	10,6								
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:						
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)	
				,		1 10 781			
Solution ID#									
GENERALI	NFORMATI	ON:				1			
Weather con	ditions @ tir	ne of samplin		vy 80°t					
Sample Chai	racteristics:	CCRAR	WITH	PARTIC	CKS				
COMMENTS			_						
				·		(1) 			
				······································					
		_					01. 0 15.		
I certify that protocals.				1			_	>	
Date:	5/29/13	Ву:	63/	1		Company: _	TAC		

Facility: LONZA	Sample Point ID: BR - 113 D
Field Personnel: PLR, PN, TW	Sample Point ID: BR - 113 D Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time_5-20-13, 1210	Cond of seal: Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked ☒ Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	· · · · · · · · · · · · · · · · · · ·
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13/12/5	Date / Time Completed: 5-20-13/1240
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet:31, 39	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: BCADARA PUAR
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y (N)
Purge Observations: 20-FCO	Start CLEAR Finish CLEAL

PURGE DATA; (if applicable)

Time	(gpr	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other 00
1220	120	31.62		12.7	6.81	2523	5.77	-155	0.50
1225	120	31.63		12.7	6.17	2895			
1230	120	31.63		12.7	6.78	2920	6.03	-180	0.40
1235	120	31.63		12.7	6.77	2916	5.95	-182	0,41

SAMPLING	INFORMAT	ion:						
POINT ID BC-1/3 D Date/Time 5-20-/3 /245 Water Level @ Sampling, Feet: 31,63								
Date/Time	5-20-	131,	1245	_	Water Level	31,63		
Method of S	of Sampling: BLADOLL PUMO			PUMB		_Dedicated:	Y) N	
Multi-phased	d/ layered:	() Yes	IX No	If YES:	() light	() heavy		
SAMPLING							1	
Time	Temp. (°C)	pH Conductivity (std units) (µmhos/cm)		Turb. (NTU)	Other	Other (<i>り</i> の)		
1240	12.7	6.81	29	10	5,92	-180	0.42	
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
,								
Solution ID#								
GENERALI	NFORMATI	ON:						
Weather con	ditions @ tir	ne of samplir	ng: SUN	vy, 75°	of			
Sample Chai								
COMMENTS	S AND OBS	ERVATIONS	S:					
		-						
	-							
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.								
Date: 512913 By: 0 1 Company: TAC								

Page 2 of 2

Facility: Lon217- Field Personnel:	Sample Point ID: BR-114 Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-20-/3 / /324	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose 《《Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm;/
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13 / 13 45	Date / Time Completed:
Surf. Meas. Pt: () Prot. Casing (A) Riser	Riser Diameter, Inches: 4.0
Initial Water Level, Feet: 4356 13.56	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Persont the
One (1) Riser Volume, Gal:	Dedicated: Y / 🕡
Total Volume Purged, Ga <u>l:</u>	Purged To Dryness Y / N
Purge Observations:	Start Clerr Finish Clerr
PURGE DATA: (if applicable)	

Time	(gpr	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OA	Other PO
1355	200	WL 13.59		19.4	6.94	1826	4.13	-72	0.33
1400				19.3	6.90	1830	3.40	-75	0.31
1405				18.7	6.90	1833	2.97	-77	0.30
1410	V			18.5	6.90	1833	2.11	-78	6.28

SAMPIN @ 1410 /5-20-17

SAMPLING	INFORMA:	TION:				en Char		T.
POINT ID								
Date/Time			-	_	Water Level	@ Sampling	, Feet:	
Method of S	ampling:				······································	_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							ı
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
								: :
			. •					
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
				Check Std	Cal.Std	Check.Std	0-104-1	Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm	Cal.Std 10 NTU	10 NTU (± 10%)
						(± 10%)		
Solution ID#								
	VEARWAR	ION						
GENERAL I								
		me of samplin						
COMMENT	S AND OBS	SERVATIONS	S:					
			 					
Leartify that	I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific							
protocals.	շատթույց թւ	COCAGIGO WEI	o iii uoooiu	ando with all	apphoable L	i, otato ana	. Site openin	-
Date:	1 1	_ By: _				Company:		

Facility: LONZA Field Personnel: PL, RJ, PN, TW	Sample Point ID: $BR - 1/6$ Sample Matrix: $6W$
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1230	Cond of seal: XGood () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose 〈 Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / / /
PURGE INFORMATION:	
Date / Time Initiated: 5-17-13 / 1255	Date / Time Completed: 5-17-13 / 1335
Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches:
Initial Water Level, Feet: 28, 30	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: 5 Amper pno
One (1) Riser Volume, Gal:	Dedicated: Y / N
Total Volume Purged, Gal:	Purged To Dryness Y / 🕦
Purge Observations: LO-FCO	Start Sc-TINT Finish CCRAC

PURGE DATA: (if applicable)

Time	_	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other <i>O</i> O
1310	150	2852		16,4	6.87	2791	13,3	-85	0,85
1325	150	2852		16,3	6.89	2 971	10.9	-83	0,79
1335	150	28.52		16.3	6.89	3082	11.1	-82	0.83

SAMPLING INFORMATION:								
POINT ID	BA	-118						
Date/Time	5-17-	-/3	1335	-	Water Level	@ Sampling	, Feet: 2	8,52
Method of Sa	ampling:	-118 -13 1 1335 SAMPLE		PRO		Dedicated:	_	
Multi-phased		() Yes			If YES:	() light	() heavy	
SAMPLING	DATA:	<u>,</u>						1
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU	Cal.Std 1,413	Check.Std 1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU
		4.0 00	10.0 00	(± 10%)	µmhos/cm	(± 10%)	10,410	(± 10%)
Solution ID#								
GENERALI	Property Company of the Company of t	A MONTH OF THE RESIDENCE OF THE PARTY OF						
Weather con								
Sample Char	acteristics:	- CCA	9 n			· · · · · · · · · · · · · · · · · · ·		
COMMENTS	S AND OBS	ERVATIONS	3:			<u> </u>		
								· · · · · · · · · · · · · · · · · · ·
								·
			·					
				- Military				-
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific								
protocals. Date:	5/17/13	By:	03/	2		Company: _	TAC	

Facility: LONZA	Sample Point ID: BR - 116 D
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1228	Cond of seal: (Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose Flush Mount
If prot.casing; depth to riser below:	() Damaged
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) / /
PURGE INFORMATION:	
Date / Time Initiated: 1340/5-17-13	Date / Time Completed: 5-17-13 / 14-15
Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches: 400
Initial Water Level, Feet: 35,76	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: SANDIN PAG
One (1) Riser Volume, Gal:	Dedicated: Y / N
Total Volume Purged, Gal:	Purged To Dryness Y / N
Purge Observations: 20-Fco	Start CCAAC Finish CCAAC

PURGE DATA: (if applicable)

Time	II.	ge Rate om/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OLL	Other <i>O</i> 0
1350	150	35,90		16.0	7,12	1667	17,7	-/35	952
1400	150	35,91		16.0	6.99	1842	14.5	-121	0,50
1410	150	35,9/		16,0	6.98	1839	14.6	-/18	0,49

SAMPLING INFORMATION:								
POINT ID	BR-	116 P						
Date/Time	5-17-1	3 1 ,	1415		Water Level	@ Sampling,	, Feet:	35.91
Method of S	Sampling:	50-	MPLR	PRO		_Dedicated:	Y/N	
Multi-phase	d/ layered:	() Yes	XVNo		If YES:	() light	() heavy	,
SAMPLING								=1
Time	Temp.	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other ()	
INSTRUME	NT CALIBR	ATION/CHEC	K DATA:		on Language			
		1		Check Std	Cal.Std	Check.Std		Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm	Cal.Std 10 NTU	10 NTU (± 10%)
				(= 10,0)	, provide the second se	(± 10%)		
Solution ID#								
						I I		
78.480.2741.950.250.47746-697	INFORMAT		. دسم					
		me of samplin		•				
Sample Cha	racteristics:	·C CRA	1					
COMMENT	S AND OBS	SERVATIONS						
			- LAVIMUTT I		***			
								
I certify that	samnling nr	ocedures wer	e in accorda	ance with all	annlicable Fl	PA. State and	Site-Specif	ic
protocals.	I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.							
Date:	5/17/13	Ву:	0)/	/	1	Company: _	TAC	

Facility: LONZA	Sample Point ID: BR - 117 P
Field Personnel: R. SENE	Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1 0910	Cond of seal: \(\sqrt{\text{Good () Cracked}}\) () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	· · · · · · · · · · · · · · · · · · ·
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /
PURGE INFORMATION:	
Date / Time Initiated: 5-17-13 0915	Date / Time Completed: 5-12-13/0955
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet: 50, 28	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: 50 MPL PRO
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y (N)
Purge Observations: (0-FCO	Start PARTICULOR Finish BLACK TINT
PURGE DATA: (if applicable)	

Time	(gp	ge Rate m/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ORP	Other DG
0930	150	50,82		10.7	8,92	1655	BLACK SPACS	-60	0,68
0940	150	50.80		10.7	8.23	1592		- 7/	0.49
0950		50,80		10,7	8.21	1575	V	-75	0,50
0955		1		10.8	8,23	1569	43,3	-76	0,51

SAMPLING	INFORMA	ΓΙΟΝ:						45.00
POINT ID	BR-1	17 D						
Date/Time	5-17-1	13 1	0955	_	Water Level	, Feet:	50,80	
Method of S	ampling:	581	MPCR O	PRO		Dedicated:		
Date/Time 5-/7- /3 0955 Method of Sampling: SAMPLE PRO Multi-phased/ layered: () Yes WNo			If YES:	() light	() heavy			
SAMPLING DATA:								
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
				Check Std	Cal.Std	Check.Std	0.1.04.1	Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10,0 SU	7.0 SU (± 10%)	Cal.Std 4 , 413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	10 NTU (± 10%)
C	7,00	4.00		6,97	1000			
Solution ID#								
GENERAL	INFORMAT	ION:			di-			
120		me of samplir	ng: SUA	UNY, 5	5-0			
		Black		•				
		SERVATIONS						
OOMINET	O AILD OBC							
							-	
<u> </u>								
	sampling pr	ocedures wei	re in accord	ance with all	applicable E	PA, State and	l Site-Specifi	С
protocals.	517113	Ву:	07			Company:	TX	
Date:	<u> </u>	_ Бу.	-			. Company.		

Page 2 of 2

Field Personnel: R. SENC	Sample Point ID: BR-118-D
Field Personnel:	Sample Matrix: 6/w
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1000	Cond of seal: (1) Good (1) Cracked % (1) None (1) Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Dumagea
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / /
PURGE INFORMATION:	
Date / Time Initiated: $5-17-13$ / 1005	Date / Time Completed: 5-17-13 / 1030
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 4.0
Initial Water Level, Feet: 49.10	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: SAMOL DAG
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y (N)
Purge Observations: 20 - F-CO	Start Finish BLACK

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ORP	Other りる
1010	150	wc 49,39		11,2	7.99	1217	BLACK	-62	0.49
1015	150	49,40		11,0	8,30	1182		-56	0,39
1025	150	45,40		10.9	\$8,36	1151	1	-54	0,37
1030	150	19,40		11,0	8,33	1180	45.7	-54	0.36

SAMPLING	INFORMAT	TION:						5-08-7-E
POINT ID	BR-	118 D						
Date/Time	5-17-	/3 /	1030		Water Level	@ Sampling	, Feet:	45.40
Method of Sampling:		118 D -13 1030 SAMPLA PRO		PRU	Dedicated:		Ø/N	
Multi-phased/ layered:		() Yes No			If YES: () light		() heavy	
SAMPLING								ı
Time	Temp. (°C)	pH (std units)			Turb. (NTU)	Other (Other (
				-				
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU	Cal.Std 1,413	Check.Std 1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU
C				(± 10%)	μmhos/cm	(± 10%)		(± 10%)
Solution ID#								
GENERAL					And the second s	i i		
Weather cor	nditions @ tiı	me of samplin	ng: <i>5Ua</i>	UNY 50	<u> </u>			
Sample Cha	racteristics:	BLG	CA TI	N T				
COMMENT	S AND OBS	ERVATIONS	S:					
I certify that protocals.	sampling pr	ocedures we	re in accorda	ince with all	applicable E	PA, State and	i Site-Specifi	C
Date:	5/12/13	By:	05		<u></u>	Company:	TAC	. 4
	(/							

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Facility: LONZA	Sample Point ID: BR-122 D
Field Personnel: PL, RJ, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-/7- /3 / 1045	Cond of seal: (**Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked (Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Damayeu
Gas Meter (Calibration/ Reading): % Gas:	
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / /
PURGE INFORMATION:	
Date / Time Initiated: 5-17-13 / 1030 N	Date / Time Completed: 5-17-13 / 1/20
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet: 45,41	Elevation. G/W MSL:
Well Total Depth, Feet: 45.41 RS	Method of Well Purge: Same pas
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y N
Purge Observations: CO-FCO	Start BEACK BLACK Start Finish TINT

Time	_	e Rate m/htz)	Cumulative Volume	Temp. (C)	pH (SÜ)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ON	Other <i>D</i> 0
1100	me/m 150	15,72		10.7	7.19	2235	CLAFC	-186	0,57
1110	150	45.73		10,9	7.16	2229		-179	0,55
1/20	150	45,73		10,9	7,11	2232	25.3	-182	0,54

SAMPLING	INFORMAT	rion:						
POINT ID	Ba-	122P						
Date/Time 5-17-13 1/20 Water Level @ Sampling, Feet:								
Method of S	ampling:	SAMPLR () Yes No		PRO		_Dedicated: (Y) N		
Multi-phase	d/ layered:	() Yes	No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time			uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
				Check Std	Cal.Std	Check.Std		Check Std
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	10 NTU (± 10%)
Solution ID#								
GENERAL	NFORMAT	ION:						
		me of samplir	na:		·		g (d thin 4) an e real e	in the section of the
Sample Cha						<u>, , , , , , , , , , , , , , , , , , , </u>		
								
COMMENT	S AND OBS	SERVATIONS	3.					
<u></u>				The second secon				
					·			
						· · · · · · · · · · · · · · · · · · ·		
	sampling pr	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	С
protocals.	5/17/13	Pur	0)/	1		Company:	Tac	
Date:	11/1	By:	7//	7		_ оопірану: _		
			Pa	ge 2 of 2				

Facility: LONZA	Sample Point ID: BR -123 D
Field Personnel: PL, RJ, PN, TW	Sample Point ID: $BR - 123D$ Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1 1/2 5	Cond of seal: Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() = 4
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) T
PURGE INFORMATION:	
Date / Time Initiated: 5-17-13/ 1128	Date / Time Completed: 5-17-13/ 1/58 Riser Diameter Inches: 4.0
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet: 45.77	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: 59 MBC 3
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y / N
Total Volume Purged, Gal: Purge Observations: 20 - FCO	Purged To Dryness Y / N Start BLACK Finish CC396

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other ON	Other <i>D</i> 0
1140	150	46,00		10,9	6.99	2036	21.3	-169	0,45
1147				10.9	7.03	2032	13.6	-/73	0,43
1155	150	46,00		10,9	7,10	2030	12,9	-175	0,42
						-			

SAMPLING	INFORMA	TION:						
POINT ID	BR-1	123 D						
Date/Time	5-17-1	123 D 13 1 , SAM	1158	<u></u>	Water Level	@ Sampling	, Feet:	46.00
Method of S	ampling:	SAM	PCR F	200		Dedicated:	⊗ N	
Multi-phased	d/ layered:	() Yes	(KNO		If YES:	() light	() heavy	
SAMPLING								
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other (

INSTRUME	NT CALIBR	ATION/CHEC	K DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
Sample Chai	ditions @ ti	me of samplin	91	any, 50				
COMINERIA		SERVATIONS						
protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable El	PA, State and		C
•		- -						

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Field Personnel: PLRS, PN, TW	Sample Point ID: BR-126 Sample Matrix: 6W
Field Personnel: PL, NJ, PN, TO	Sample Matrix: 8000
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1234	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	() =
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm' /
PURGE INFORMATION:	
Date / Time Initiated: 5-17-13 / 1235	Date / Time Completed: $\frac{5-17-13}{1255}$
Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches: 2.0
Initial Water Level, Feet: 8.95	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristaltic
One (1) Riser Volume, Gal:	Dedicated: Y / (N)
Total Volume Purged, Gal:	Purged To Dryness Y
Purge Observations: Low flow	Start Lular Finish Clear
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OAL	Other 00
1245	m1/min 200	9,11		14.8	7.05	986	1.01	- 50	0-62
1250		9.11		15.0	6-99	989	2.01	- 57	0,60
1255	1	9.1(15.7	6.97	982	2.14	-63	0.59
	\								
						1			

Sampud @ 1255 on 5-17-13 Publication

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time			. N	_	Water Level	l @ Sampling	, Feet:	
Method of S	ampling:	<u> </u>		•		_Dedicated:	Y / N	
Multi-phase	d/ layered:	() Yes	() No	e ^e	If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp.	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other ()	
				<u></u>				
INSTRUME	NT CALIBE	RATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL	INFORMAT	ION:						
Weather con	nditions @ ti	me of samplin	ıg:					
Sample Cha	racteristics:	W						
COMMENT	S AND OBS	SERVATIONS	S:					
	:*							
		·						
I certify that		ocedures wer				PA, State and	Site-Specific	c
protocals.	, ,	D				Communication		
Date:		_ By: _				Company:		

Facility:	Low				Sample Poin	t ID:	BR-12	7
Field Person	nel:	PC. P.	<u>~</u>		Sample Matr	IVI		
SAMPLING:	INFORMATI	TIONE -					(A) Grab ()	Composite
Date/Time	5-23-1	3 1	1115		Water Level	@ Sampling	, Feet:	12.85
Method of Sa	mpling:	SA	n Ale	PORT		Dedicated:	(Y)/N	
Multi-phased	/ layered:	() Yes	ba No		If YES:	() light	() heavy	
SAMPLING								1
Time	Temp. (ºC)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (OR)	Other (
1117	16-1	8.21 2831			20,5	-164		
IINISTIRUME	NT GALIBR	VANTIKOJNKOJHIE	(GK DATIA)					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL,	nditions @ ti	me of sampli						
Sample Cha	racteristics:	:	Cler-					
COMMENT	S AND OBS	SERVATION	<u>S:</u>					
	····							

Jacks Market Street, Street Street, Street Street, Str			<u></u>		**************************************			
I certify that protocals.	sampling p	rocedures w	ere in accord	lance with a	ll applicable l	USEPA, State	and Site-Sp	ecific
Date:	5 1231 13	<u>ў</u> Ву:	M	2	ggenerari	_ Company	:	A (·

Facility: LONZA	Sample Point ID: MW - 103 Sample Matrix: GW
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-22-13 1050	Cond of seal: Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) / /
PURGE INFORMATION:	
Date / Time Initiated: 522-13/1140	Date / Time Completed: 5-22-13/1205
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2.0
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Paristactic
One (1) Riser Volume, Gal:	Dedicated: Y/N
Total Volume Purged, Gal:	Purged To Dryness Y / N
Purge Observations: CO-FCO	Start CLAAR Finish CLAGR TO SC TERS

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other <i>O</i> O
1150			13,9	7.19	698	CLRAC TO SC THY	-/9	0.55
1155			13.8	7,22	701		- 46	0.82
1200			13,8	7,23	694	J	-49	0,79
1205			13.8	7.26	690	60,3	-52	0.81

SAMPLING	INFORMAT	IION:						
POINT ID	MW	-103						
Date/Time	5-22	-L3 1	1205	· · · · · · · · · · · · · · · · · · ·	Water Level	@ Sampling	, Feet:	
Method of S	ampling:	PRA	STALT	10	-	_Dedicated:	(Y) N	
Multi-phase	d/ layered:	- 103 - 13 Pha ()Yes	∭ No		If YES:	() light	() heavy	
SAMPLING		,						
Time	Temp.	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
				T		Check.Std	STEMENT ON LINES STEEL FOR ALL THE LINES FOR THE PROSESSION.	Olympia Otal
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL	NFORMATI	ON:						
Weather con	ditions @ tir	ne of samplin	a:	(\$20) (\$30) \$40 \$100 \$100 \$100 \$100 \$100 \$100 \$100	C 1 T S. O. A. P. L. D. V. MORE CONTROL CONTROL OF CO.	STEER PROGRAMMER AND STEER	gg of great a charge and an are described in the charge and a second a	金金 金額配置の公式(2000 9000 1000 1000 1000 1000 1000 1000
					-			
		ERVATIONS						
COMMITTEE	S AND ODG	LIVATIONS	<u> </u>					
<u> </u>								
<u></u>							***************************************	
		· · · · · · · · · · · · · · · · · · ·			<u></u>			
I certify that protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable El	PA, State and	l Site-Specific	
Date:	5/22/1	3 By:	63	1		Company:	TAC	
	(/		$\langle / / / \rangle$					

Page 2 of 2

Facility: LONZA	Sample Point ID: MW ~ 104
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-22-13 1305	Cond of seal: 📈 Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / /
PURGE INFORMATION:	
Date / Time Initiated: 5-22-13 / 1310	Date / Time Completed: $5-22-13/1335$
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: PERISTACTA
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y (N
Pura Observations: CO-ECO	Start SC, TURBIFFINISH TANTINT

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other <i>O</i> 0
1320	00 80			12.9	7,51	663	152	61	
1325	70			12.8	7.49	666	88.2	59	
1330	70		·	12.8	7.43	665	85,3	57	
1335	70			12.8	7.41	663	86.0	55	No.

SAMPLING	INFORMA	TION:	X1.					
POINT ID		***************************************						
Date/Time	****			-	Water Leve	l @ Sampling	, Feet:	
Method of S	ampling:	·				_Dedicated:	Y / N	
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp.	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
			- 					
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					- 1010 September
			ere er i samme er	Charle Std	C-1 C+1	Check.Std		Charle Stal
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
			·					
Solution ID#								
GENERAL	INFORMAT	ION:						
Weather con	nditions @ ti	me of samplin	g:					,
		SERVATIONS						
I certify that protocals.	sampling pr	ocedures wer	e in accorda	_				
Date:	5/22 1	3 Ву: _	-95	4		Company:	TOC	

Facility: LONZA	Sample Point ID: MW-106
Field Personnel: Tw, PL, RS PN	Sample Matrix: 6 6
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 / 1033	Cond of seal: (*) Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Damaged
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm,/
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13/ 1035	Date / Time Completed: 5-20-3/1055
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2"
Initial Water Level, Feet: /1.39	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristaltic
One (1) Riser Volume, Gal:	Dedicated: Y / (N)
Total Volume Purged, Gal:	Purged To Dryness Y N
Purge Observations:	Start Clear Finish Ccear
PURGE DATA: (if applicable)	

Time		je Rate m/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other のペロ	Other
1045	150	NL 1/2-29		12.7	6-64	1721	5.48	- 5 l	1.09
1050		12.31		12.9	6-67	1836	4.99	-47	1.02
1053		12.34		13.1	6-72	1891	4-62	-40	0.98
						7			

Sampled o

19 5-20-13

@ 1055

1 Alloye

Page 1 of 2

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time		1		-	Water Level	@ Sampling,	Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							•
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other ()	
INSTRUME	NT CALIBR	ATION/CHEC	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL I	NFORMAT	ion:				77		14.3
Weather con	ditions @ ti	me of samplin	g:					
Sample Chai	acteristics:							
		SERVATIONS						
I certify that protocals.	sampling pı	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specifi	С
Date:	1_1	_ By: _				Company:		

Facility: Low2# Field Personnel:	Sample Point ID: MW-114 Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 1 1235	Cond of seal: ()*Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION: 11	
Date / Time Initiated: 5-20-13 / 1240	Date / Time Completed: 5-20-/3 / 13/0
Surf. Meas. Pt: () Prot. Casing (A) Riser	Riser Diameter, Inches: 2.0
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Pen 1 574(71)
One (1) Riser Volume, Gal:	Dedicated: Y / 🔊
Total Volume Purged, Gal:	Purged To Dryness Y / 🕠
Purge Observations:	Start Strubo Finish Clar

PURGE DATA: (if applicable)

Time	Purge (gpm		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other Ao
1250	MYMN	WC 10,23		19.1	7.24	[[1]	24.7	-15	0.77
1255				19.6	7,20	1680	17.15	-10	6.75
1300				20-1	7.18	1080	14.61	-9	0.77
1305				20.6	7118	1080	11,19	-7	0.73
1310		1		20.5	7-18	1079	10.67	-7	0.72

SAMPIU @ 1310 /5-20-15

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time					Water Level	@ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y/N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:						and a fraction of	
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
			-					
	And							
								F
INSTRUME	NT CALIBR	RATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL I	NFORMAT	ION:		-	11. 11. 12. 1			
Weather con	ditions @ ti	me of samplin	g:					
		SERVATIONS	.					
OOMINIETT								
	-							
I certify that protocals.	sampling pı	rocedures wer	e in accorda	ınce with all	applicable E	PA, State and	Site-Specific	>
Date:	1 1	_ By: _				Company:		

Facility: LONZA	Sample Point ID: MW -127
Field Personnel:	Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-2/13 1 14/3	Cond of seal: (*) Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked (★Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	· · · · · · · · · · · · · · · · · · ·
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)
PURGE INFORMATION:	
Date / Time Initiated: 5-21-13(1417	Date / Time Completed: 5-21-73 / 1431
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 20
Initial Water Level, Feet: 8-83	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Recordalta
One (1) Riser Volume, Gal:	Dedicated: Y /
Total Volume Purged, Gal:	Purged To Dryness Y /(N)
Purge Observations:	Start <u>Cler-</u> Finish <u>Cler-</u>
PURGE DATA: (if applicable)	

Time	(gpr	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity Turb. (µmhos/cm) (NTU)		Other	Other 600
1425	m4m 60	8:B5		18.1	7.73	392r	12.21	15	0.54
1430				19.7	7.69	3920	10.17	15	0.53
1435	1	4		18.9	7.68	3917	9.52	15	0.50
						-			

@ 1435 /5-21-13
Page 1 of 2

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				_	Water Level	@ Sampling,	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
					,			
			· .					
						·		
INSTRUME	NT CALIBE	RATION/CHE	CK DATA.		I.	<u> </u>		
IN 3 I KO WIE	IN CALIDI	TATION OTIES				Check.Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERALI	NEORMAT	ION:			esti.			
		me of samplin	ıa:			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
COMMENTS	S AND OB	SERVATIONS	S:					
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
I certify that protocals.	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specifi	c .
Date:	1 1	Ву:				Company:		

FIELD OBSERVATIONS LONZA Sample Point ID: Facility: PL, PN. TW Sample Matrix: Field Personnel: MONITORTING WELL INSPECTION: Cond of seal: () Good () Cracked FOAME 5-22-13 / 1137 Date/Time () None () Buried Cond of prot. Casing/riser: () Unlocked () Good Prot. Casing/riser height: () Loose (Flush Mount () Damaged If prot.casing; depth to riser below: % LEL:____/ % Gas: / Gas Meter (Calibration/ Reading): Volatiles (ppm) / Vol. Organic Meter (Calibration/Reading): PURGE INFORMATION: 5-22-131 / 1153 Date / Time Completed: Date / Time Initiated: Riser Diameter, Inches: Surf. Meas. Pt: Prot. Casing () Riser Initial Water Level, Feet: // // // Elevation, G/W MSL: Method of Well Purge:

PURGE DATA: (if applicable)

Total Volume Purged, Gal:

Purge Observations:

Well Total Depth, Feet:

One (1) Riser Volume, Gal:

Time	Purge (gpm		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1200	200	10.13		19.9	6.36	7221	3,72	_76	0.49
1205				20.1	8-37	7283	3.61	-74	0.48
1210				19.7	8.37	7287	3.41	-72	0.46
1215	1	1		19.6	8-37	72 91	3.36	-70	0-49
								,	

Dedicated:

Purged To Dryness

Clee-

Y / M

YIND

Finish

SAMU @ 1215 /5.22-13

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time		1		_	Water Leve	l @ Sampling	, Feet:	
Method of Sa	ampling:	Management of the second secon				_Dedicated:	Y / N	
Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other (
			, <u>, t - t</u>					
INSTRUME	NT CALIBR	RATION/CHEC	CK DATA:		<u> </u>			148438
						Check.Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERALI	NFORMAT	ION:						
Weather con	ditions @ ti	me of samplin	a:		\$	ON TO THE POST OF A CONTROL OF THE POST OF		**************************************
		•						
OOMMENT	JAND OBC	SERVATIONS			······································			
		-						
							······································	
I certify that s	sampling pr	ocedures were	in accorda	ance with all a	applicable El	PA, State and	Site-Specific	:
Date:	1 1	Ву: _				Company: _		

Field Personnel: Pl, PN, Tw	Sample Point ID: PW-17 Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time 5-24-13 / 1138	Cond of seal: (4) Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked ⟨√ Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	() Damaged
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION:	
Date / Time Initiated: 5-24-13/1140	Date / Time Completed: 5-24-(3//205
Surf. Meas. Pt: ⟨→Prot. Casing () Riser	Riser Diameter, Inches:
Initial Water Level, Feet: 12.17	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Personnt
One (1) Riser Volume, Gal:	Dedicated: (Y) N
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations: Low Flow	Start cuer Finish Clear
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1150	ZOO	12.25		10.0	7.30	4729	18.9	-125	1.09
1155		12.27		10-1	7.28	4706	10.5	-125	1.10
1200		12.30		10.3	7.29	4709	9.8	-129	1.04
1205	V	1		10.3	7.28	4711	10.1	- 137	1.07

SAMPLING	INFORMA	TION:						
POINT ID							,	
Date/Time				_	Water Level	@ Sampling	, Feet:	
Method of S	ampling:				Dedicated:		Y / N	
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							1
Time	Temp.	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other ()	Other (
	**************************************		99744474XXX					
INSTRUME	NT CALIBE	RATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
						!		
Solution ID#								
GENERAL	INFORMAT	ION:						
Weather cor	iditions @ ti	me of samplin	g:					
Sample Cha	racteristics:							
COMMENT	S AND OBS	SERVATIONS):					
								·
						v.A		
								
I certify that protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specific	;
Date:	1 1	By:				Company:		
Date.						Joinpuny.		

Facility:	Low	24			Sample Poir	nt ID:	fw-1	3
Field Person	nel:	Pl. A	m		Sample Mat			
SZYYFILING	TINTEOTRINVAV	TI(O)NP					从) Grab ()	Composite
Date/Time	5-23-1	13 1	1215		Water Leve	@ Sampling	, Feet:	27.98
Method of Sa	ampling:	SAMPLE POIT		DOIT	· · · · · · · · · · · · · · · · · · ·	Dedicated:	Y / N	
Multi-phased			HNO		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	(°C)			uctivity os/cm)	Turb. (NTU)	Other (OR)	Other (
1217	10 211 250		6	3-30	-146			
INISTIRUME	NIT GALIBI	VATUONVEHI	ECKIDYA\TI/A\&					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU	Cal.Std 1,413	Check.Std 1,413 µmhos/cm	Cal.Std 10 NTU	Check Std 10 NTU
	7.0 30	4.0 30	10.0 30	(± 10%)	μmhos/cm	(± 10%)	101110	(± 10%)
Solution ID#								
GENERVÂL	INEMPIMAT	TIANE.						
			ling:	Cloud	70			
Sample Cha			Cler					
COMMENT					· · · · · · · · · · · · · · · · · · ·			
COMMENT	S AND OD	BLICVATION	* O.					Martine Add to the translation of the Control of th
	4.		-					
								· · · · · · · · · · · · · · · · · · ·
l certify tha protocals.	t sampling p	rocedures w	ere in accord	lance with a	II applicable	USEPA, State	e and Site-Sp	ecific
Date:	5 1231 /3	<u>ர</u> By:	M	2		Company	: 7/	9 C·

Facility:	LON				Sample Poin	t ID:	PW-14	
Field Person	nel:	PL. P.	<u>~</u>		Sample Matr			
SAMPLING	TVFORVAT	Ī(ONĒ				4	(NGrab ()	Composite
Date/Time	5-23-1	'3 <u>1</u>	1100		Water Level	@ Sampling	, Feet:	27.67
Method of Sa	ampling:	SA	n Re	POIT		Dedicated:	ØI N	
Multi-phased	l/ layered:	() Yes	(r)_No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (OR)	Other (
1102	26.(7.16			266	-164		
INSTIRUME	NT GALIBIE	VAVIII/O)NVIÇIHİE	CK DATA					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
Lancia de la companya								
(EIENIER/AVL	INFORMAT	īION:						
Weather co	nditions @ ti	ime of sampli	ng: <u></u>	RAIN	70	and the second s		
Sample Cha	ıracteristics:		TVIB	n br	<u>-</u>			
COMMENT	S AND OB	SERVATION	S:					
							······	

l certify that	t sampling p	rocedures we	ere in accord	, ,			and Site-Spe	
Date:	5 1231 13	<u>3</u> By:	1	12		Company	:	16.

FIELD O	BOEKA	AHONS			., .			
Facility:	Low				Sample Poir	nt ID:	PW-	<u>/</u>
Field Person	nel:	Pl. P.	<u>~</u>		Sample Mat	rix:		
SAWALING.	IINFORNIATI	TIONEL					(// Grab ()	Composite
Date/Time	5-23-1	3 1	1040		Water Level	@ Sampling	, Feet:	28.94
Method of Sa	ımpling:	SA	n Ple	PORT		Dedicated:	Y / N	
Multi-phased	/ layered:	()Yes	No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (SU)	Condu (µmhc	ictivity os/cm)	Turb. (NTU)	Other (OK)	Other (
1045	15.1	7.91	46 1		45.0	-82		
								,
UNSTRUME	NITE CONTRIBUE	ATHONNOHE	(CK/D/AT/A)					
///								
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#						<u> </u>		
CENERAL.	INEORNAT	TION:						
		A CONTRACTOR OF THE PARTY OF TH	ng:	T RAN) 70			
Weather cor	iditions @ ti	me or sampli		1 7 41 1	1 //2			
Sample Cha	racteristics:		SC 700	(15/0)	421100			
COMMENT	S AND OBS	SERVATION	<u>S:</u>					
			.=					
								
					, 			
l certify that protocals.	sampling p	rocedures we	ere in accord	lance with a	ll applicable	USEPA, State	and Site-Sp	ecific
Date:	5 1231 13	ß By:	M	manufacture of the same		Company	. TI	4 C.
Dale.	J 15001 / L	, Dy.	\mathcal{C}	gt. 1		Journally	. , , ,	,

Facility:	Low	ZA		.	Sample Poir	nt ID:	fu-16	
Facility: Field Persor	inel:	Plas	n	_	Sample Mat	rix:	64	J
SANTELLING	HINFORWÁV	TION:		P T			(A) Grab ()	Composite
Date/Time	5-23-	13 1	1240	-	Water Level	@ Sampling	, Feet:	13.51
Method of S	ampling:	SAMPLE		POST /	gu	Dedicated:	(Y) N	
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (SU)		uctivity os/cm)	Turb. (NTU)	Other (OR)	Other (
1242	15.9	7,16		50	8.45	-145	,	
		an						
TINISTIRUME	NIT GALIBE		CK DATA					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
						,		
Solution ID#								
L			-					
<i>CHENIERVAVL</i>	INFORMAT	IONE -						
Weather co	nditions @ ti	me of sampli	ng: 🧹	~ 7	0			
Sample Cha	racteristics:		Clea	م				
COMMENT	S AND OBS	SERVATION	S:					
I certify that protocals.	sampling p	rocedures we	ere in accord	ance with al	l applicable L	JSEPA, State	and Site-Spe	cific
Date:	5 1231 13	By:	M	2		_ Company:	TH	١٠.

Facility: LONZA	Sample Point ID: PW-17 Sample Matrix:
Field Personnel: Pl, IN, Two	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-24-13 / 1045	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / /
PURGE INFORMATION:	
Date / Time Initiated: 5-24-13 / 1047	Date / Time Completed: 5-24-13/110
Surf. Meas. Pt: () Prot. Casing Riser	Riser Diameter, Inches:
Initial Water Level, Feet: 12-07	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge:
One (1) Riser Volume, Gal:	Dedicated: (Y) N
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations: Low Flow	Start Clar Finish Clar
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp.	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other,	Other
1055	200	12:06		8-9	7-86	1972	3.77	-176	1.16
1100		12.07	:	8.5	7-87	1979	3.85	-169	1.09
1105		12-19		8.4	7-85	1987	3,67	-157	1.01
1110	V	1221		8,4	7.88	1981	3-44	157	0.97
				•					

Sampled on 5-24-13 @ 1110 / My

Page 1 of 2,

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time				<u>-</u>	Water Leve	l @ Sampling	, Feet:	
Method of Sa	ampling:					_Dedicated:	Y/N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other ()	Other ()	
INSTRUME	NT CALIBE		CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL I	NFORMAT	ION:					344 341 35 140 44 32 4	
Weather con	ditions @ ti	ime of samplin	g:					
Sample Char	acteristics:		······································					
COMMENTS	S AND OB	SERVATIONS	S:			· · · · · · · · · · · · · · · · · · ·	MANAGEMENT AND A STATE OF THE S	
· · · · · · · · · · · · · · · · · · ·								
**************************************							·	
							· · · · · · · · · · · · · · · · · · ·	
I certify that protocals.	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specifi	•
Date:	1 1	By: _		e de la companya del companya de la companya del companya de la co		Company:	u .	

Facility:	LON	21		Sample	Point I <u>D:</u>	B=4		
Field Pers	sonnel:	PL, PN,	TW	Sample	Matrix:	6W		
MONITO	RTING WELL	INSPECTION:						and the second
Date/Time	s-21-1"	3 1 101	3	Cond o	f seal: () Goo () No	d () Cracked ne 🔌 Buried	, -	%
Prot. Casi	ing/riser height			_ Cond of prot. Casing/riser: ⟨w∕CUnlocked () Go () Loose				
If prot.cas	sing; depth to r	iser below:				() Damagot		
Gas Mete	r (Calibration/ I	Reading):	% Gas:		% LE	L:		
Vol. Orga	nic Meter (Calil	oration/Reading):		Volatile	es (ppm)	1	-	
PURGE	INFORMATIO	V:						
Date / Tin	ne Initiated:	5-21-13/10	14	Date / Time Completed: 5-2/-/3 /				1616
	Surf. Meas. Pt: () Prot. Casing Riser				Diameter, Inch	es:	2.0	
Initial Wa	ter Level, Feet:	16. 9	4	Elevati	on. G/W MSL:			
Well Tota	ıl Depth, Feet:	22.9	ر	Method of Well Purge:				MIC
One (1) R	tiser Volume, G	al: 1.0		Dedicated: Y / 🕥				
Total Vol	ume Purged, G	al: Pursa	16401	v O Purgeo	l To Dryness	Ø N		
Purge Ob	servations:			_ Start _	Cle-	Finish	Cler	
PURGE	DATA: (if app	licable)						
Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivit (µmhos/cm	· 1	Other,	Other
	miles we		\/	\		/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

SAMPLING INFORMATION:

POINT ID	B-	- 4						
Date/Time	5-2.	2-13	1325	<i>-</i>	Water Level	@ Sampling	, Feet:	17.01
Method of S	ampling:	2-13 ₁ Pe.	as sign	TC.		_Dedicated:	Y / N	
Multi-phase			() No		If YES:	() light	() heavy	
SAMPLING	DATA:							,
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other	Other (
1376	20.1	7,62	813		13.97	19		
			· · · · · · · · · · · · · · · · · · ·					
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
		ION						
GENERAL							A STATE OF THE STA	
Weather cor	nditions @ ti	me of samplin		(1427	<u>83</u>			
Sample Cha	racteristics:		Cla					
COMMENT	S AND OBS	SERVATIONS	s: <u>C</u>	milel	Win			

NAME AND ADDRESS OF THE PARTY O				- Maria Mari				
						••		
I certify that protocals.	sampling pr	ocedures wer	e in accorda	ance with all	applicable E	PA, State and	Site-Specific	3
Date:	5124 1	З Ву: _	Per.	2		Company: _	THC	

ILLLD	ODOLINA	A110110							
Facility: _	Low	21		Sample	Point I <u>D:</u>	B5			
Field Pers	onnel:	PL, PN, 7	TCV_	Sample	e Matrix:	6W			
MONITOR	RTING WELL I	NSPECTION:			V man 2 km m m m m m m m m m m m m m m m m m				
Date/Time	5-21-1	13 1 10		Cond o	of seal: () Good (() None	() Cracked e (x) Buried	-	%	
Prot. Casi	ing/riser height <u>:</u>			Cond o		iser: ⋈ Unlo () Loose () Damaged	() Flush M		
if prot.cas	sing; depth to ris	ser below:			•	., -			
Gas Meter	r (Calibration/ R	teading):	% Gas: _		% LEL	1			
Vol. Orga	nic Meter (Calib	oration/Reading):		Volatile	es (ppm) <u>/</u>	<u> </u>	_		
PURGE I	INFORMATION	£							
Date / Tim	ne Initiated:	5-21-13 / 10	20	Date /	Time Completed	i:	5-21-13	11023	
Surf. Mea	s. Pt: () Prot. C	asing	(A) Riser	Riser [Diameter, Inches	; :	2.0		
Initial Wat	ter Level, Feet:	13.34	<u>/</u>	Elevati	Elevation. G/W MSL:				
	al Depth, Feet:	1 An .		. Metho	Method of Well Purge: Perising to				
One (1) R	Riser Volume, Ga	al: 0.76	p 2	Dedica		Y 100			
Total Volu	ume Purged, Ga	al: Purl	! I GA	Purger	d To Dryness <i>(</i>	DIN			
Purge Ob	servations:				Clear		Chi		
PURGE	DATA: (if appli	icable)							
Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other	
	miker bel								
		ļ .	1	1	1	1	.	(

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
	milar	lul							·

SAMPLING	INFORMAT	TION:						
POINT ID	<u> BS</u>	7						
Date/Time		(-13 1			Water Level	@ Sampling	, Feet:	1337
Method of S	ampling:	Per	STALLT		Dedicated: Y / N			
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							
Time	Temp.	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other	Other (
1347	20,6	7.74	349	i C	26.7	-3		
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL	INFORMAT	ION:						
Weather cor	nditions @ ti	me of samplin	g: <i>[7</i>	1124	83			
Sample Cha	racteristics:		Clear					
COMMENT	S AND OBS	SERVATIONS) :					
				-				
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.								
•	5 124 17	By:	M)		Company:	TA	
		_						

Facility: LONZA	Sample Point ID: 8-7
Field Personnel: PL, PN, TW	Sample Matrix:
MONITORTING WELL INSPECTION:	
Date/Time 5-24-13 / 1407	Cond of seal: A Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	()
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /
PURGE INFORMATION:	
Date / Time Initiated: 5-24-13 / 1410	Date / Time Completed: <u>5-24-(3/1435</u>
Surf. Meas. Pt: () Prot. Casing () Riser	Riser Diameter, Inches:
Initial Water Level, Feet: 15.28	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristante
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y
Purge Observations:	Start ORANGE Finish ORANGE to be
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other,	Other €
1420	Milan 150	16.97		12-2	7.02	1410	312	-Z6	0.76
1425		16.96		12.4	6.99	1404	275	-23	0.76
1430				12.1	6.97	1401	269	-21	0.71
1435	\downarrow	1		12.2	6.98	1397	261	-21	0267
									•
					1				

Sampled

Page 1 of 2

SAMPLING	INFORMA	TION:						
POINT ID								
Date/Time			· · · · · · · · · · · · · · · · · · ·	-	Water Level	@ Sampling	, Feet:	
Method of S	ampling:					_Dedicated:	Y / N	
Multi-phased/ layered:		() Yes () No		If YES:	() light	() heavy		
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (Other (
INSTRUME	NT CALIBE	RATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL	NFORMAT	ION:						
Weather con	ditions @ ti	me of samplin	g:					
Sample Chai	racteristics:							
		SERVATIONS	1 <u>*</u>					
COMMENTO AND ODGERVATIONS.								
			, N. H.					<u></u>
, , , , , , , , , , , , , , , , , , , ,			<u>, ,, , , , , , , , , , , , , , , , ,</u>	. i			**************************************	
							-	
I certify that protocals.	sampling pr	ocedures were	e in accorda	ince with all	applicable El	PA, State and	Site-Specific	;
Date:	Date:/_/ By: Company:							mobile data 18-da da e la la la la la la la la la la la la la

FIELD OBSERVATIONS Facility: LON2A Sample Point ID: PL, PN, TW Sample Matrix: Field Personnel: MONITORTING WELL INSPECTION: 5-21-13 1 1430 Date/Time Cond of seal: () Good () Cracked () None (Buried Cond of prot. Casing/riser: (XUnlocked () Good Prot. Casing/riser height: () Loose () Flush Mount () Damaged If prot.casing; depth to riser below: % Gas: / % LEL: / Gas Meter (Calibration/ Reading): Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) / PURGE INFORMATION: 521-13/1443 5-21-13/1439 Date / Time Initiated: Date / Time Completed: Riser Diameter, Inches: Surf. Meas. Pt: () Prot. Casing Riser Initial Water Level, Feet: 7,57 Elevation. G/W MSL: PerisiAlte Well Total Depth, Feet: Method of Well Purge: YIM Dedicated: One (1) Riser Volume, Gal:

Time **Purge Rate** Cumulative Temp. Conductivity Turb. Other, pΗ (gpm/htz) Volume (C) (SU) (µmhos/cm) (NTU) milw erel

Purged To Dryness Ø/ N

Start Clean Finish

Total Volume Purged, Gal: 1,5 70 Pm

PURGE DATA: (if applicable)

Purge Observations:

SAMPLING	INFORMAT	IION:						
POINT ID	BI							
Date/Time	<u>ځ٠22</u> .	13 1	1240	-	Water Level	@ Sampling	, Feet:	9,56
Date/Time $5.22-13$ 1240 Method of Sampling: $Peristanta$				τ ε (Dedicated:	Y / N	
Multi-phase	Multi-phased/ layered: ()Yes ()No					() light	() heavy	
SAMPLING	DATA:							1
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other	Other (
1242	19.7	7,65	21	45	25.9	-52		
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL	INFORMATI	ON:						
Weather con	iditions @ tir	ne of samplin	ıg: 🔑	11424	<i>9</i> 3			
Sample Cha	racteristics:		SL TU	BM				
COMMENT	S AND OBS	ERVATIONS	s:	em.tul	volvn	_		
	90 mg							
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific								
protocals. Date:	5 1221 1 8) By:	A			Company:	THE	
Date.	ري ۱۰۱۰	. Dy		-	,	Joinpany.		

Facility: LONZA	Sample Point ID: 3-15
Field Personnel: PLRS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 1 10-18	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked 🖨 Good () Loose 👉 Flush Mount () Damaged
If prot.casing; depth to riser below:	() Damageu
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm / /
PURGE INFORMATION:	
Date / Time Initiated: <u>5-17-13</u> 1050	Date / Time Completed: 5-17-13 / 1106
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 2.0
Initial Water Level, Feet: 7,19	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristattic
One (1) Riser Volume, Gal:	Dedicated: Y / (N)
Total Volume Purged, Gal:	Purged To Dryness Y / N
Purge Observations: Low Flow	Start St. Turbid Finish Sc TWAD
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other 6/L/	Other Ø
1100	150	8.58		15.0	7.04	871	95.3	-31	0.27
1103	100	8,99		14.9	7,05	855	93,9	-49	0.29
1106	100	19.15		15.0	705	856	83.4	-63	0.33
			1						
									72
	Sa	mpled	before u	bert 6	17 @11	06 01	5-17-1	3 / sets	Il de la la la la la la la la la la la la la
								-	///0

POINT ID	SAMPLING	INFORMA	TION:						
Method of Sampling: Dedicated: Y / N	POINT ID								
Multi-phased/ layered: () Yes () No If YES: () light () heavy SAMPLING DATA: Time Temp. pH Conductivity Turb. (NTU) () () () () (*C) (std units) (µmhos/cm) (NTU) () () () () INSTRUMENT CALIBRATION/CHECK DATA: Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU 7.0 SU (± 10%) (± 10%) (± 10%) (± 10%) Solution ID# CENERAL INFORMATION: Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS:	Date/Time			Water Leve	l @ Sampling	, Feet:			
SAMPLING DATA: Time Temp. pH Conductivity Turb. Other Other	Method of S	ampling:			<u></u>		_Dedicated:	Y / N	
Time Temp. (°C) (std units) (µmhos/cm) (NTU) (therefore) (NTU) (ther	Multi-phased	d/ layered:	() Yes	() No		If YES:	() light	() heavy	
INSTRUMENT CALIBRATION/CHECK DATA: Moter ID#	SAMPLING	DATA:				14. · · · · · · · · · · · · · · · · · · ·			1
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 µmhos/cm (± 10%) Check Std 10 NTU (± 10%) Pmhos/cm (± 10%) Check Std 10 NTU (± 10%) Check Std 10 NTU (± 10%) Pmhos/cm (± 10%) Check Std 10 NTU (± 10%	Time						Other (Other (
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 pmhos/cm (± 10%) Cal.Std 10 NTU (± 10%) Solution ID# GENERAL INFORMATION: Weather conditions @ time of sampling: COMMENTS AND OBSERVATIONS:									
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 µmhos/cm (± 10%) Cal.Std 10 NTU (± 10%) Solution ID# Sample Characteristics: COMMENTS AND OBSERVATIONS: Cal Std 7.0 SU 1,413 µmhos/cm (± 10%) In the control of the control									
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 pmhos/cm (± 10%) Cal.Std 10 NTU (± 10%) Solution ID# GENERAL INFORMATION: Weather conditions @ time of sampling: COMMENTS AND OBSERVATIONS:					3.11				
Meter ID# Cal Std 7.0 SU 4.0 SU 10.0 SU 7.0 SU 1,413 µmhos/cm (± 10%)	INSTRUME	NT CALIBE	RATION/CHE	CK DATA:					
Meter ID# Cal Std 7.0 SU 4.0 SU 10.0 SU 7.0 SU 1,413 µmhos/cm (± 10%) µmhos/cm (± 10%)				**************************************	Chook Std	Calleta	Check.Std		Chack Std
Solution ID# GENERAL INFORMATION: Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific	Meter ID#		I I		7.0 SU	1,413	µmhos/cm		10 NTU
GENERAL INFORMATION: Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
GENERAL INFORMATION: Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific	Solution ID#								
Weather conditions @ time of sampling: Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific	GENERAL	INFORMAT	ION:			*	esta de la companya d	1.00	
Sample Characteristics: COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific	37900			ıa:	i di Tarah Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Marak Mar		e Carlo de La Carlo de Carlo de Carlo de Carlo de Carlo de Carlo de Carlo de Carlo de Carlo de Carlo de Carlo	· SPF RAPE - IN SECTION OF US AND AND VICE ARRESTABLE	ka kanada kata kata ka
COMMENTS AND OBSERVATIONS: Continue									
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
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I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific									
· · · · · · · · · · · · · · · · · · ·		sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	С
Date:		1 1	Bv:		•		Company:		

Facility: LONZA	Sample Point ID: 13-16
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-17-13 / 1/23	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	// % LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) /
PURGE INFORMATION:	
Date / Time Initiated: 3-17-13 / 1125	Date / Time Completed: 5-17-13 / 1145
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: Z · O
Initial Water Level, Feet: 7.77	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Peristartic
One (1) Riser Volume, Gal:	Dedicated: Y / (N)
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations: Low flow	Start <u>Clear</u> Finish <u>Clear</u>
PURGE DATA: (if applicable)	

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other 00
1130	150	WL 8,71		12.7	7,20	1050	5.18	-51	0.51
1135		8.73		12.8	7.00	1056	5-21	-49	0.51
1140		8.73		12.8	7.05	1060	5.30	-42	0.53
1145	}	8.73		12-6	7.02	1068	5.34	- 39	0.50
							,		

@ 1145 on 5-17-13/1/15/19 Page 1 of 2

NYFS GW Form 12/20/11

SAMPLING	INFORMA	TION:								
POINT ID										
Date/Time				-	Water Level @ Sampling, Feet:					
Method of Sampling:		- mended and the second				Dedicated:	Y / N			
Multi-phased	/ layered:	() Yes	() No		If YES:	() light	() heavy			
SAMPLING	DATA:									
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other (Other ()			
INSTRUME	NT CALIBR	RATION/CHE	CK DATA:							
		000 X 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 000 1 0	888 TRA & G. T. 172 SHILM SCHOOL - J. 602 SKS	Check Std	Cal.Std	Check.Std		Check Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	10 NTU (± 10%)		
Solution ID#										
GENERALI	NFORMAT	ION:								
Weather con	ditions @ ti	me of samplin	a:	90 (1)	23 Sun - 1865 (Ann an Air Air Ann an Air Ann an Air Ann an Air Ann an Air Ann an Air Ann an Air Ann an Air Ann	3,000 m m m m m m m m m m m m m m m m m m				
	_							V		
		SERVATIONS	٠.							
OOMINIE		-					· · · · · · · · · · · · · · · · · · ·			
								-		

I certify that s	sampling p	rocedures wer	e in accorda	ance with all	applicable E	PA, State and	l Site-Specifi	3		
Date:	1 1	_ By: _				Company:				

Facility: LONZA Field Personnel: Pl, PN, TW	Sample Point ID: B-17 Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time 5.27-17 / 110 4	Cond of seal: / Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Gas Meter (Calibration/ Reading): % Gas:	/ % LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)
PURGE INFORMATION:	
Date / Time Initiated: 5-22/3/ 1105	Date / Time Completed: 522/3 / //25 Riser Diameter, Inches: 2,0
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches:
Initial Water Level, Feet:	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Perising to
One (1) Riser Volume, Gal:	Dedicated: Y /
Total Volume Purged, Gal:	Purged To Dryness Y / (N)
Purge Observations:	Start Yellew Finish Yellow? on
PURCE DATA: (if applicable)	

Time	(gpm/htz) Volume (C) (SU)		_	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other €			
1110	120	- 1	WL 10124		18.2	7.99	8779	120	-87	0.49
1115			1	-	18.3	7.99	8770	78.4	-90	0.47
1120					18.5	8.11	8766	80.2	-93	0.46
1125	1 4				18.7	8.15	8766	79,8	-93	0.44
			,,							
,	SAV	N	1 @	1125 /3	5-72-13					
NYF	S GW F	orm	12/20/1	M)	Page 1 of 2	2			

SAMPLING	INFORMA	TION:					4	
POINT ID								
Date/Time				_	Water Leve	I @ Sampling	, Feet:	
Method of Sa	ampling:			-		_Dedicated:	Y / N	
Multi-phased	l/ layered:	() Yes	() No		If YES:	() light	() heavy	
SAMPLING	DATA:							_
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (Other (
	·							
INSTRUMEN	NT CALIBE	ATION/CHE	CK DATA:					1752.74.1115.Water
				T	T	Check.Std		
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERALI	NFORMAT	ION:				The second secon		
. Dec 11 a.		me of samplin	u.				· · · · · · · · · · · · · · · · · · ·	
								1818
COMMENTS	AND OBS	SERVATIONS						
								
······································								

I certify that s	sampling pr	ocedures were	e in accorda	ance with all a	applicable El	PA, State and	Site-Specific	;
Date:	1 1	Ву:				Company:		

Facility: Low2A	Sample Point ID: W-5
Field Personnel: M. IN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-29-13 11241	Cond of seal: () Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose () Flush Mount () Damaged
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL:/
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)/
PURGE INFORMATION:	
Date / Time Initiated: 5-24-13 / 1244	Date / Time Completed: <u>5-24-13 / 13/0</u>
Surf. Meas. Pt: (f)-Prot. Casing () Riser	Riser Diameter, Inches: VAULT
Initial Water Level, Feet: 8.02	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: Perising to
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y / N
Purge Observations: <u>Low Flow</u>	Start Turbid Finish Clea-
PURGE DATA: (if applicable)	

Time		Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other
1255	150	9.17		12.9	7.68	611	668	-20	0.89
1300		9.21		12.7	7.77	537	44.2	-25	0.83
1305		9.30		12-7	7.73	548	47.1	-30	0.79
1310	V	9.32		12.5	7.69	552	50.2	-33	0.81
	•	S	ampled on	5-24-	13 @ 1	1310 MA	My		
NYF	S GW For	m 12/20/11			Page 1 of 2				 .

SAMPLING	INFORMA	TION:							
POINT ID									
Date/Time				-	Water Level @ Sampling, Feet:				
Method of Sampling:						Dedicated:	Y / N		
Multi-phase	d/ layered:	() Yes	() No		If YES:	() light	() heavy		
SAMPLING	DATA:								
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other (
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:						
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)	
Solution ID#									
GENERAL	NFORMAT	ION:		*					
Weather con	ditions @ ti	me of samplin	g:	- বিন্তু (১০ চ বা বিশ্ববাস (১৯৯৮ বার্চিচ মিরা প্রচার স্বরাধী পঞ্জি চার্চিচ করিছ স্বর্ধী ।	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	and property is the second control of a control of the control of	and a viving particular edge in the season contents	#####################################	
		· -							
		SERVATIONS							
-									
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.									
Date:	1 1	Ву: _				Company:			

FIELD OBSERVATIONS Sample Point ID: E3 Facility: LONZA PL, PN, TW Sample Matrix: Field Personnel: MONITORTING WELL INSPECTION: Date/Time 5-21-13 1 1035 Cond of seal: () Good () Cracked % () None M. Buried Cond of prot. Casing/riser: Muniocked () Good Prot. Casing/riser height: () Loose () Flush Mount () Damaged If prot.casing; depth to riser below: % Gas: / % LEL: / Gas Meter (Calibration/ Reading): Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) / PURGE INFORMATION: 5-21-13 / 1037 5-21-13/1040 Date / Time Completed: Date / Time Initiated: (A) Riser Riser Diameter, Inches: Surf. Meas. Pt: () Prot. Casing Initial Water Level, Feet: 4/152 Elevation, G/W MSL: Peristante Well Total Depth, Feet: Method of Well Purge: Y / 🜮 One (1) Riser Volume, Gal: Dedicated: Total Volume Purged, Gal: / CAC TO DAY Purged To Dryness (Y) N **Purge Observations:** Start C/c_{c} Finish PURGE DATA: (if applicable) Cumulative Turb.

Time Purge Rate (gpm/htz) Cumulative Volume (C) (SU) (SU) (pmhos/cm) (NTU) Other (NTU) Other (SU) (pmhos/cm) (NTU)

POINT ID F3 Date/Time 5/32-73 1300 Water Level @ Sampling, Feet: 5.17 Method of Sampling:	SAMPLING	S INFORMA	TION:						
Multi-phased/ layered: () Yes () No If YES: () light () heavy SAMPLING DATA: Time Temp. pH Conductivity Turb. Other (NTU) (Ar) (()) / 3a / 2b / 7.2T 3 / 8b 36.5 - 73 INSTRUMENT CALIBRATION/CHECK DATA: Meter ID# Cal Std Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (£ 10%) µmhos/cm (£ 10%) (£ 10%) Solution ID# GENERAL INFORMATION: Weather conditions @ time of sampling: Clause G3 Sample Characteristics: SC TURD DEJ 7.0T COMMENTS AND OBSERVATIONS:	POINT ID	$-E^3$	3						
Multi-phased/ layered: () Yes () No If YES: () light () heavy SAMPLING DATA: Time Temp. pH Conductivity (umhos/cm) (NTU) (w/) () () /3w / 2w / 7.21 3 / 8u 36.5 -73 INSTRUMENT CALIBRATION/CHECK DATA: Meter ID# Cal Std Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) (± 10%) (± 10%) Solution ID# CALIBRATION: Weather conditions @ time of sampling: Clear & Conductivity (umhos/cm) (umhos/	Date/Time	5-72-	13	1300	_	Water Level @ Sampling, Feet:		5.15	
SAMPLING DATA: Time Temp. pH Conductivity (IUT) Other (PC) (std units) (IUT)	Method of S	Method of Sampling:		rooTALE!	C		_Dedicated:	Y / N	
Time Temp. (*C) (std units) (umhos/cm) (NTU) (ov) (t) (std units) (umhos/cm) (NTU) (ov) (t) (t) (t) (t) (t) (t) (t) (t) (t) (t	Multi-phase	ed/ layered:	() Yes	() No		If YES:	() light	() heavy	
Comments and description Comments Comm	SAMPLING	G DATA:							
INSTRUMENT CALIBRATION/CHECK DATA: Meter D#	Time	•			•	1		Other (
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 pmhos/cm (± 10%) (± 10	1304	20.1	7,25	310	80	36.5	-73		
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 pmhos/cm (± 10%) (± 10									
Meter ID# Cal Std Cal Std 7.0 SU 4.0 SU 10.0 SU (± 10%) Check Std 1,413 pmhos/cm (± 10%) (± 10									
Meter ID# Cal Std 7,0 SU 4.0 SU 10.0 SU 7.0 SU 1,413	INSTRUME	ENT CALIBR	RATION/CHE	CK DATA:					
Solution ID# GENERAL INFORMATION: Weather conditions @ time of sampling: Sc Turny feet 7mf COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.	Meter ID#	1			7.0 SU	1,413	1,413 µmhos/cm	1	10 NTU
GENERAL INFORMATION: Weather conditions @ time of sampling: Clour B3 Sample Characteristics: SC TWAD DEL TIME COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.					(2 10 70)	p	(± 10%)		(10 /0/
GENERAL INFORMATION: Weather conditions @ time of sampling: Cloury B3 Sample Characteristics: SC TWAD DEL TIME COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.									
GENERAL INFORMATION: Weather conditions @ time of sampling: Cloury B3 Sample Characteristics: SC TWAD DEL TIME COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.	0.1.4								
Weather conditions @ time of sampling: Claury B3 Sample Characteristics: SC TWAN And Traff COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.			l						
Sample Characteristics: SC TWRID ALL JIM COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.	NACESTRAL PROPERTY AND ADMINISTRAL PARTY.				- / -	Ch.			
COMMENTS AND OBSERVATIONS: I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.									
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.	Sample Cha	aracteristics:	,	SC TV	" RID	Red	フハブ		
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.	COMMENT	rs and obs	SERVATIONS	S:					
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.									·
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.				war ar					
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.						·		J	
protocals.								***************************************	
	· · · · · · · · · · · · · · · · · · ·								
Date: VIOLONIA, VIVV	Date:	51221 1	S Bv:	PM			Company:	TH	1

Facility: LONZA	Sample Point ID: NESS - E
Field Personnel: PL, RS, PN, TW	Sample Matrix: 6W
MONITORTING WELL INSPECTION:	
Date/Time 5-20-13 1 //00	Cond of seal: Good () Cracked % () None () Buried
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	
Gas Meter (Calibration/ Reading): % Gas:	% LEL:
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm) / /
PURGE INFORMATION:	
Date / Time Initiated: 5-20-/3/ 1/05	Date / Time Completed: 5-20-13/1125
Surf. Meas. Pt: () Prot. Casing	Riser Diameter, Inches: 4.0
Initial Water Level, Feet: 23.27	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: PROISTALTIC
One (1) Riser Volume, Gal:	Dedicated: Y N
Total Volume Purged, Gal:	Purged To Dryness Y N
Purge Observations: <u>LO-FCO</u>	Start CCPA Finish CLARC
PURGE DATA: (if applicable)	

Time	_	e Rate n/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OAL	Other <i>O</i> 0
1110	100	23,80		14.5	6,72	479	18,3	-98	0.97
1115	100	23.82		14.4	6,85	477	15,2	-105	0,63
1120	100	23.19		14.3	6,88	475	14.9	108	0,65
1125	100	23.77		14.3	6.86	483	15,0	105	0.66

SAMPLING	INFORMA	TION:						
POINT ID	13R -	NESS - -13 1	E					
Date/Time	5-20	-13 1	1130	_	Water Level @ Sampling, Feet:			23,77
Method of Sa	Method of Sampling: PERISTALTIC					_Dedicated:	YN	
Multi-phased	l/ layered:	()Yes	(/) No		If YES:	() light	() heavy	
SAMPLING								
Time	Temp. (°C)	pH (std units)		uctivity os/cm)	Turb. (NTU)	Other ()	Other ()	
INSTRUME	NT CALIBR	ATION/CHE	CK DATA:					
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								
GENERAL I Weather con Sample Char	ditions @ ti	me of samplin						
COMMENTS	S AND OBS	SERVATIONS	S:					
								THE PERSONNEL PROPERTY.

protocals.	, ,	ocedures wer						c
Date: 4	5 po/13	Ву:	0)/	/		Company:	TA	
	(/		1/	ge 2 of 2				

Facility: $LONZA$ Field Personnel: $PL_rRJ_rPN_rTW$	Sample Point I <u>D</u> : NE 55 - W Sample Matrix: GW
MONITORTING WELL INSPECTION:	
Date/Time_5-20-13 1817	Cond of seal: (**Good () Cracked
Prot. Casing/riser height:	Cond of prot. Casing/riser: () Unlocked () Good () Loose
If prot.casing; depth to riser below:	() — <u>.</u>
Gas Meter (Calibration/ Reading): % Gas:	% LEL: /
Vol. Organic Meter (Calibration/Reading):	Volatiles (ppm)
PURGE INFORMATION:	
Date / Time Initiated: 5-20-13 / 1020	Date / Time Completed: 5-20-13/1050 Riser Diameter, Inches: 4.0
Surf. Meas. Pt: () Prot. Casing () Riser	Riser Diameter, Inches: 4.0
Initial Water Level, Feet: 3/, 45	Elevation. G/W MSL:
Well Total Depth, Feet:	Method of Well Purge: BLADAR PUM
One (1) Riser Volume, Gal:	Dedicated: Y (N)
Total Volume Purged, Gal:	Purged To Dryness Y
Purge Observations: LO-PCO	Start CCGQC Finish CCGQC
PURGE DATA: (if applicable)	
Time Purge Rate Cumulative Temp. (gpm/htz) Volume (C)	pH Conductivity Turb. Other Other (SU) (μmhos/cm) (NTU) ολί Ο

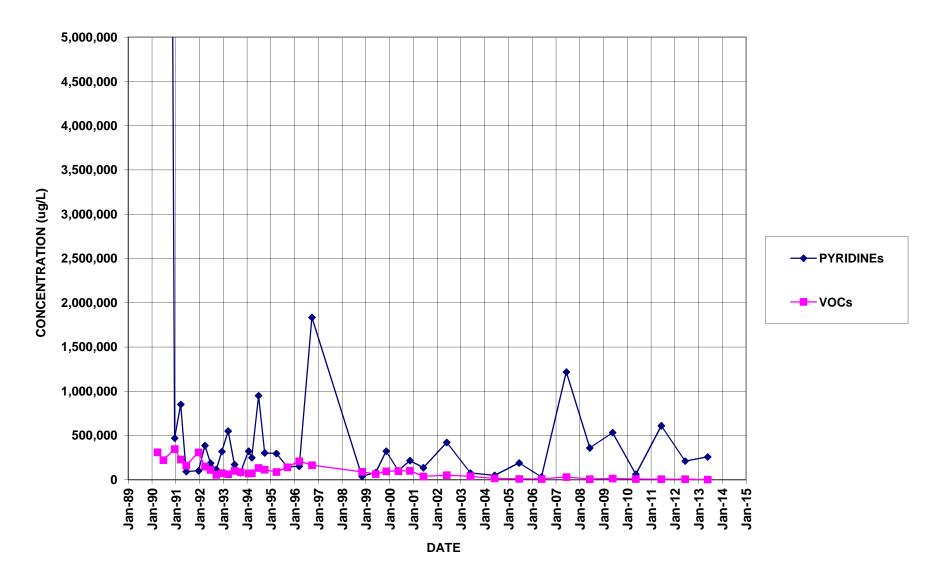
Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other OAP	Other <i>O</i> O
1030	150	31.67		14,2	6.65	1515	7.10	-162	0,53
1040	150	31,67		14.4	6.72	1497	8.13	-157	0.49
1050	150	31,67		14,4	6.73	1488	8.19	-155	0.47

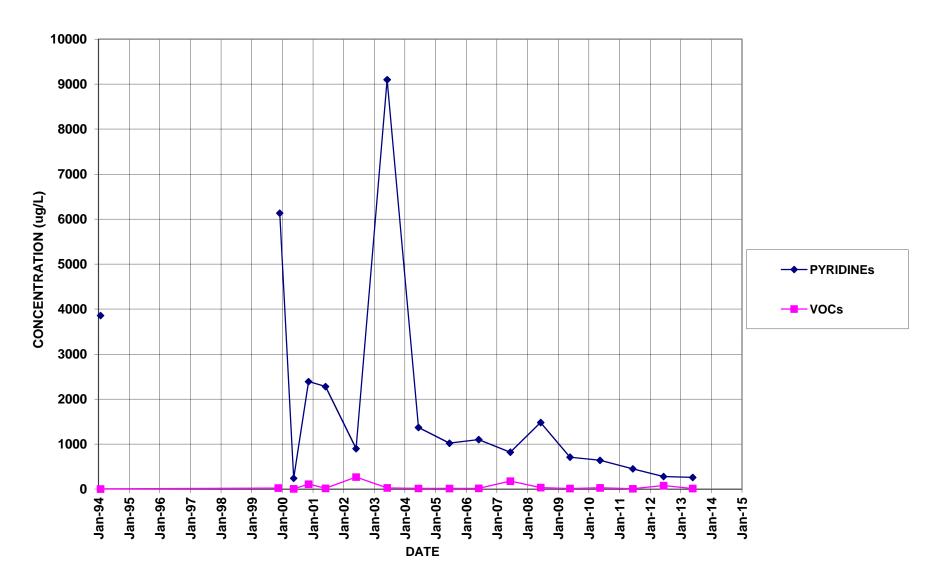
SAMPLING INFORMATION:												
POINT ID	NRSS.	- W	-									
Date/Time	NRSS.	-131	1055	-	Water Level	@ Sampling	, Feet:	31.67				
Method of S	ampling:	-	BLAPARA Ph		100	Dedicated:	(1) N					
Multi-phase	d/ layered:	() Yes	XNo		If YES:	() light	() heavy					
SAMPLING	DATA:	/	,					····				
Time	Temp.	pH (std units)	1	uctivity os/cm)	Turb. (NTU)	Other (OCC)	Other	The state of the s				
1055	1	6.75			8.11	-156	0.49					
INSTRUMENT CALIBRATION/CHECK DATA:												
	- 15133 - 15 - 15 - 15 - 15 - 15 - 15 -			Check Std	Cal.Std	Check.Std		Check Std				
Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	7.0 SU (± 10%)	1,413 µmhos/cm	1,413 µmhos/cm	Cal.Std 10 NTU	10 NTU (± 10%)				
				(2 1070)	ринтозгон	(± 10%)		(= 1070)				
		T										
Solution ID#				ummene especiales en describes (P. P. V.								
75.7.04.04.000.000.000.000.000.000.000	INFORMATI	The state of the s	_	フ ィ	10K							
Weather conditions @ time of sampling: SUNNY, 70°C												
Sample Cha	racteristics:	<u> </u>	1									
COMMENT	S AND OBS	ERVATION	S:									
	·											
								······································				
						4.0						
I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.												
Date: $5 ho/13$ By: $5 f$ Company: 740												

Page 2 of 2

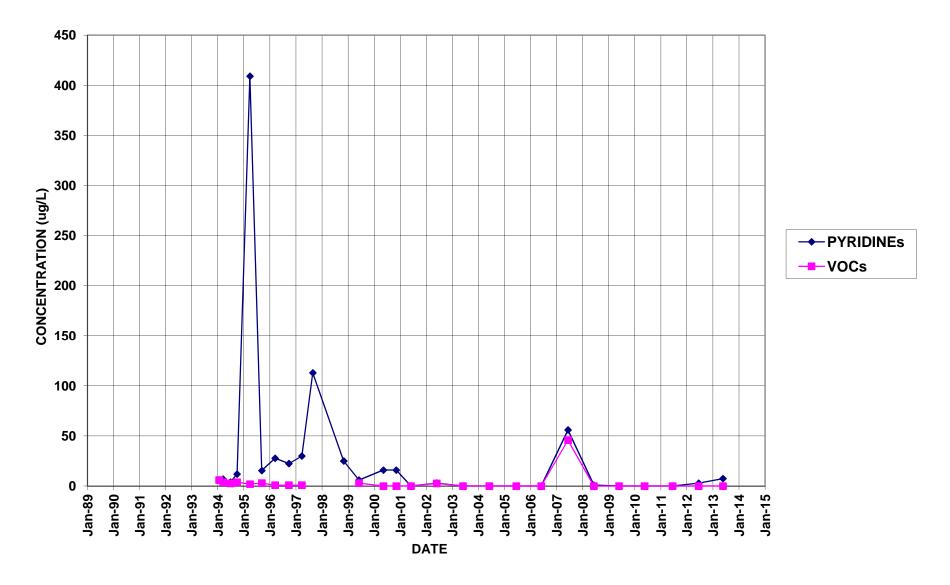
Appendix B

Well Trend Data

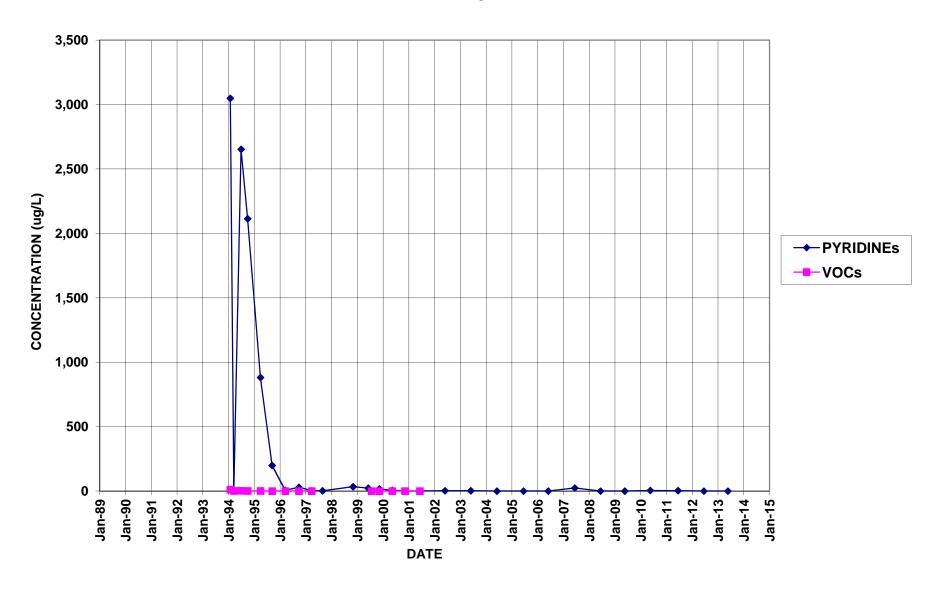




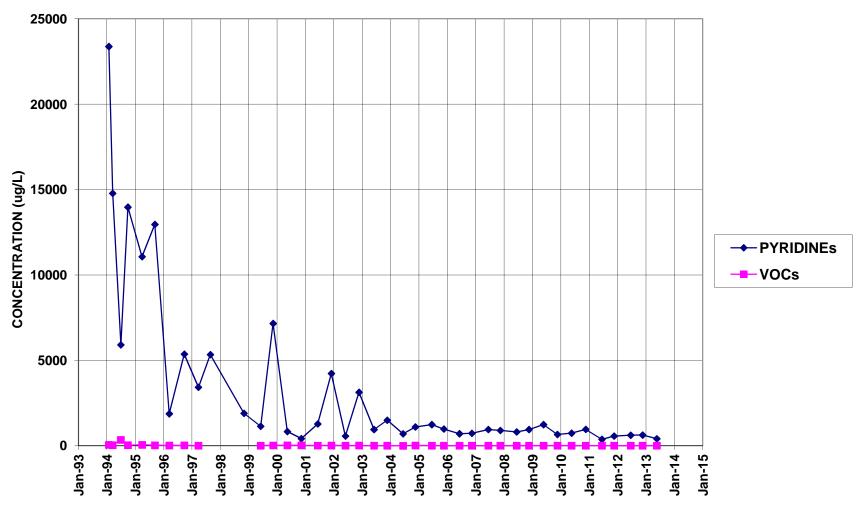
BR-103



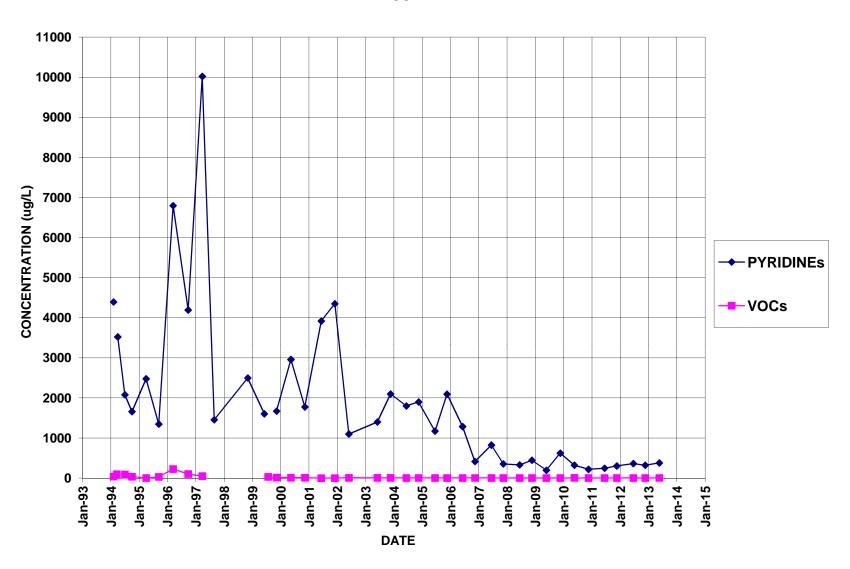
BR-104



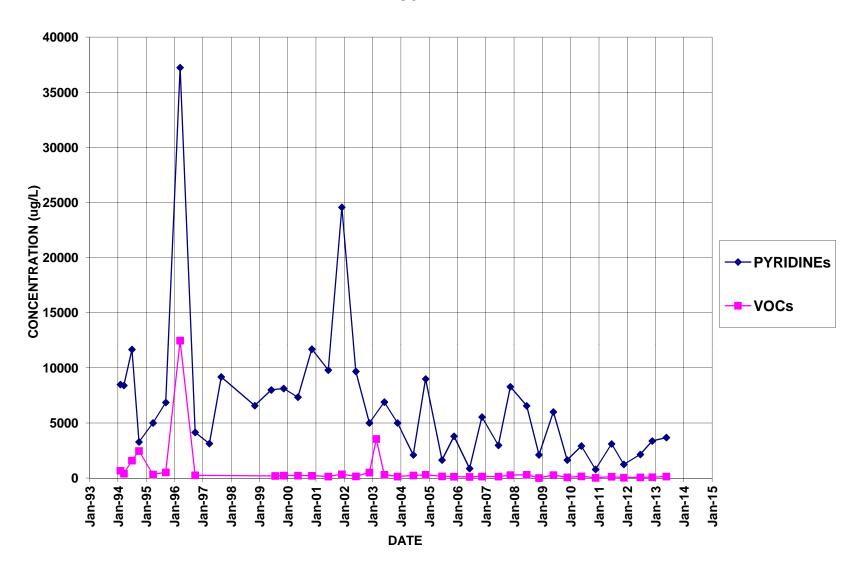


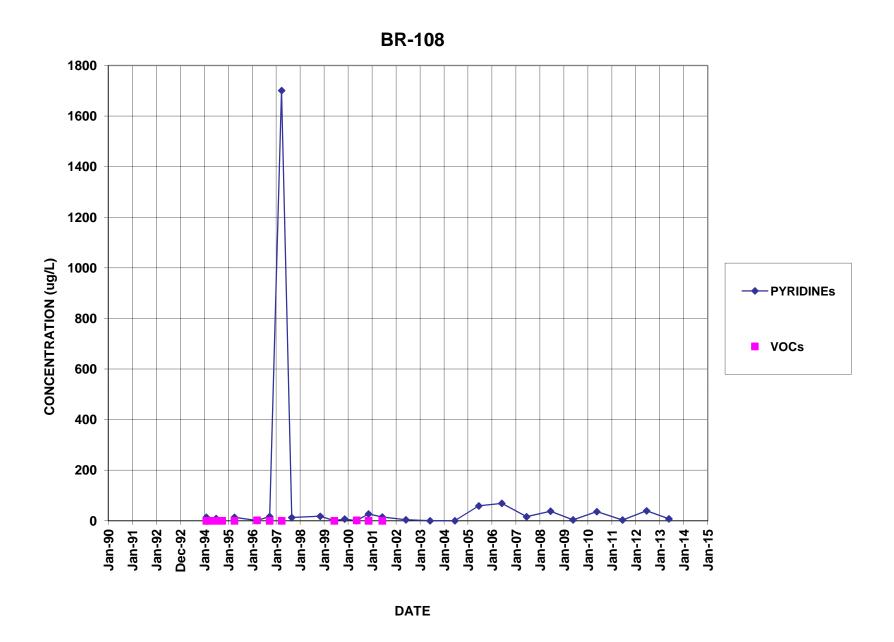


BR-105D

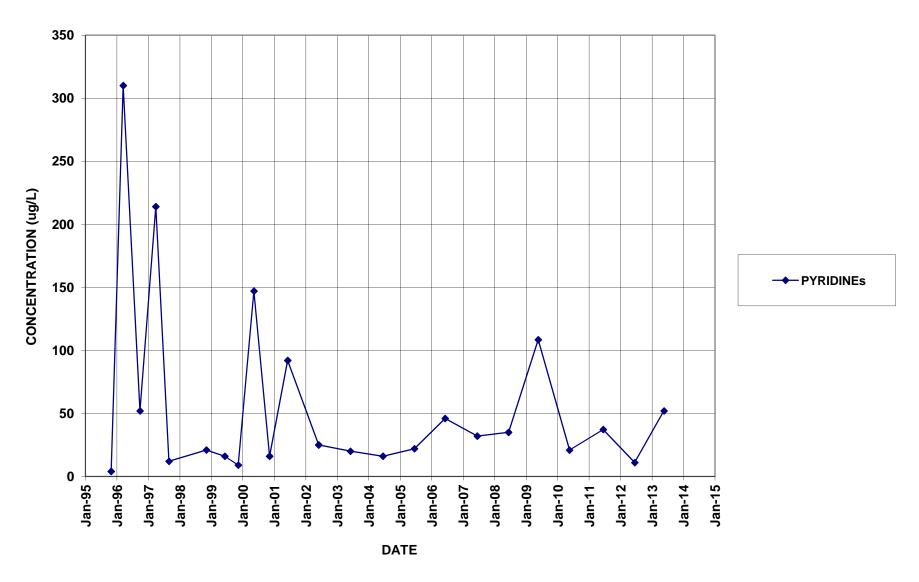




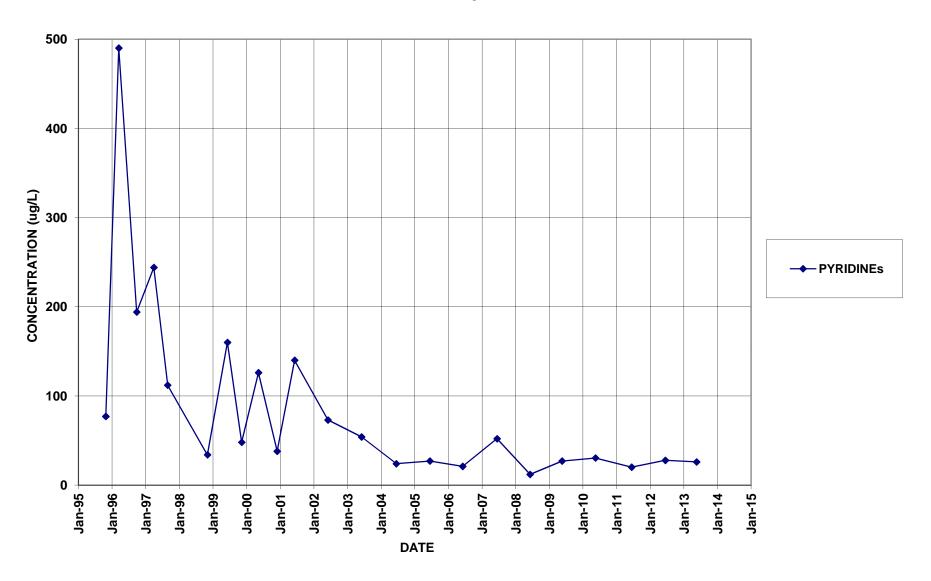




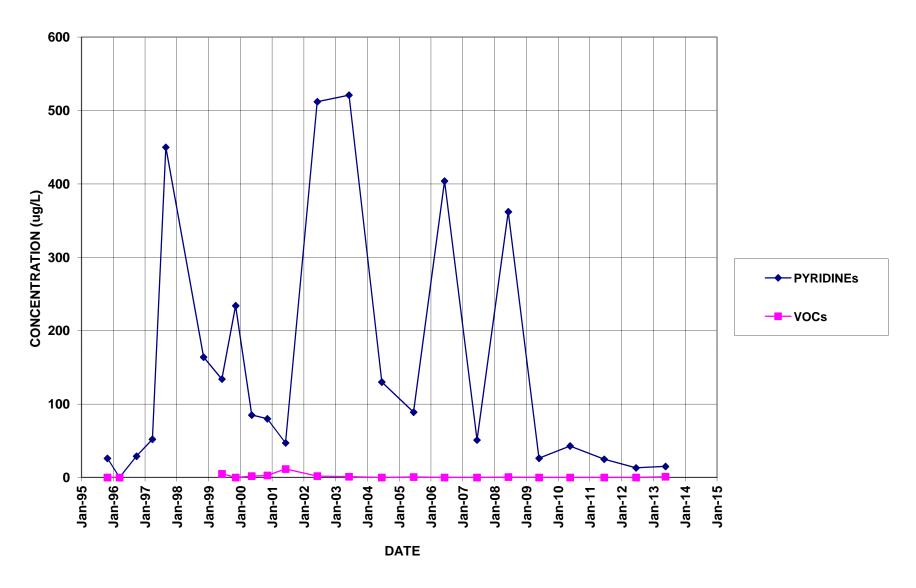




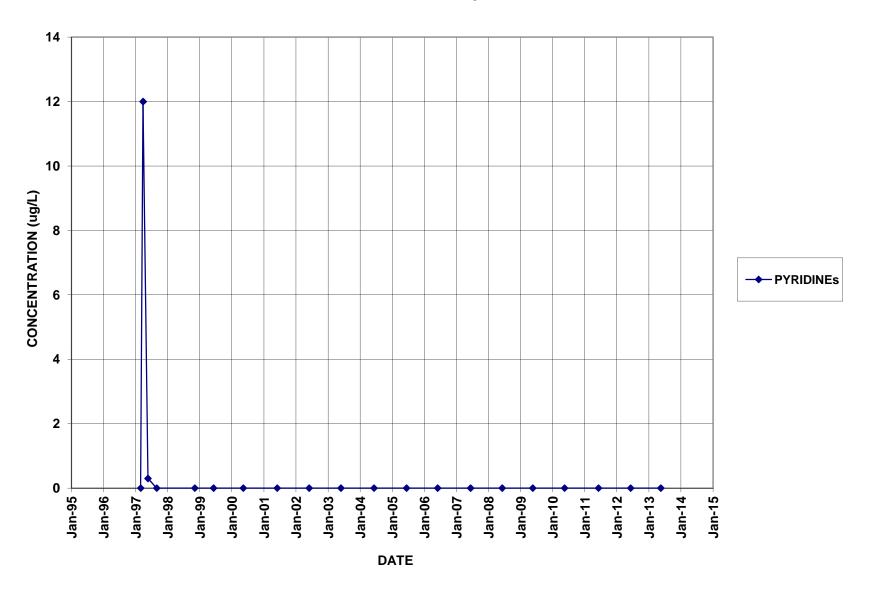
BR-113D



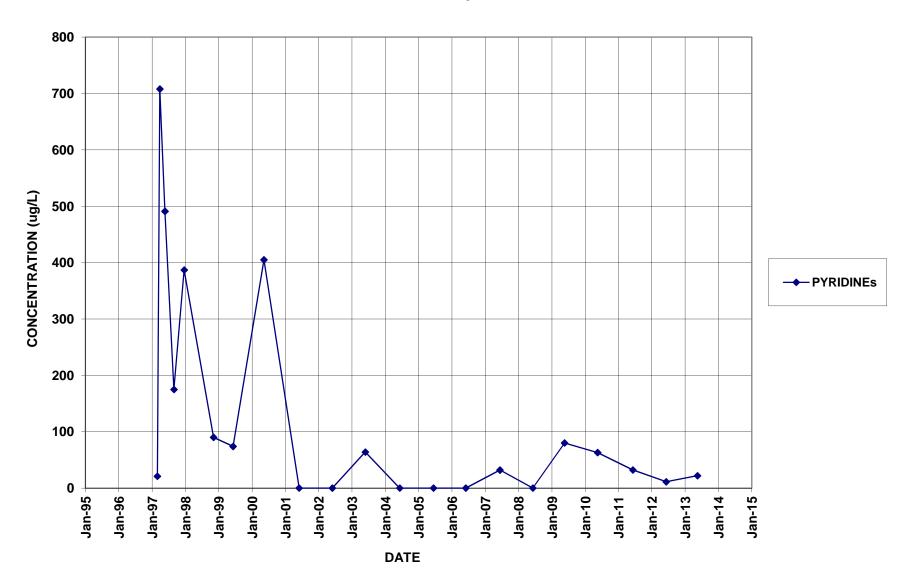




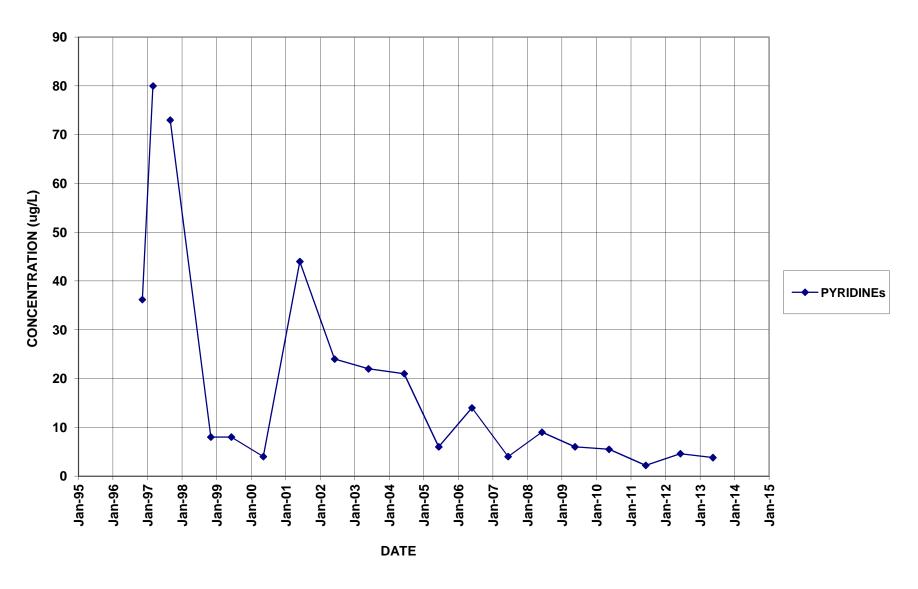




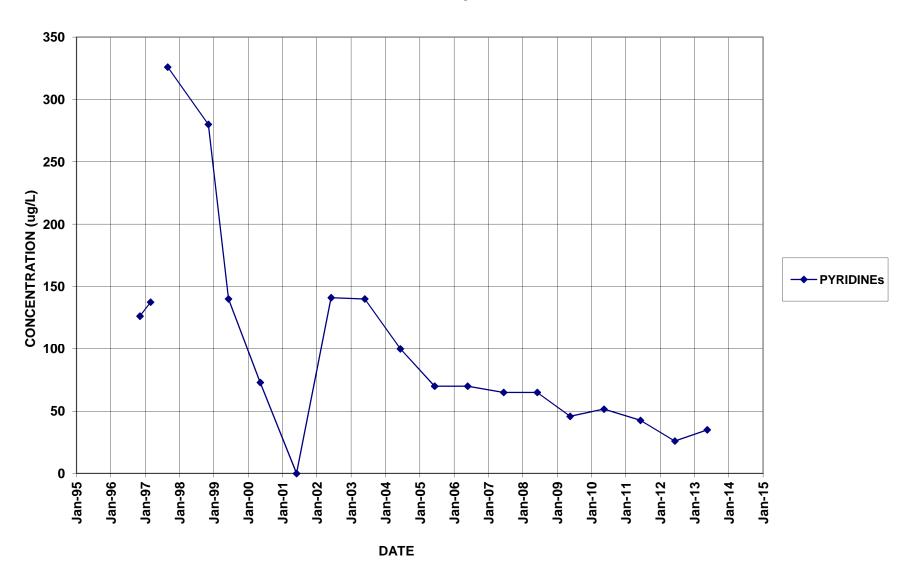
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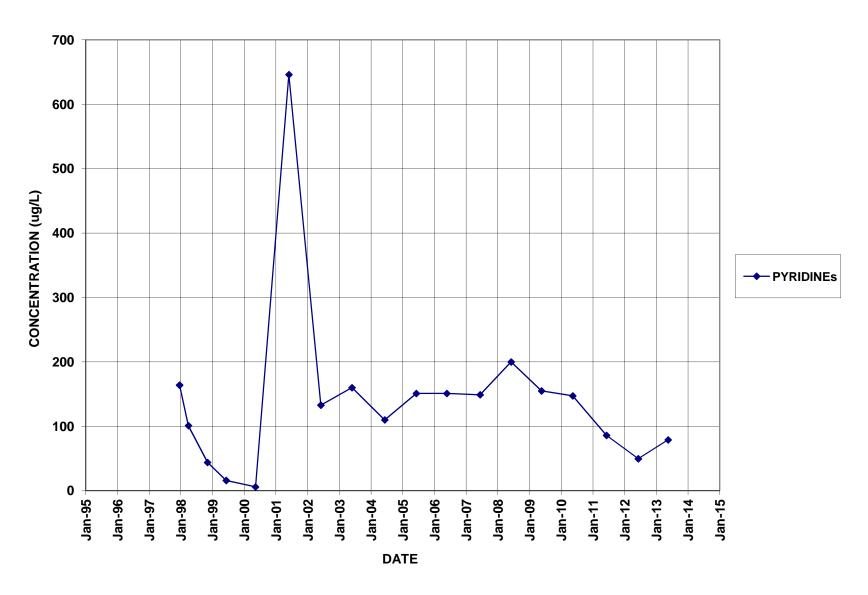
BR-117D



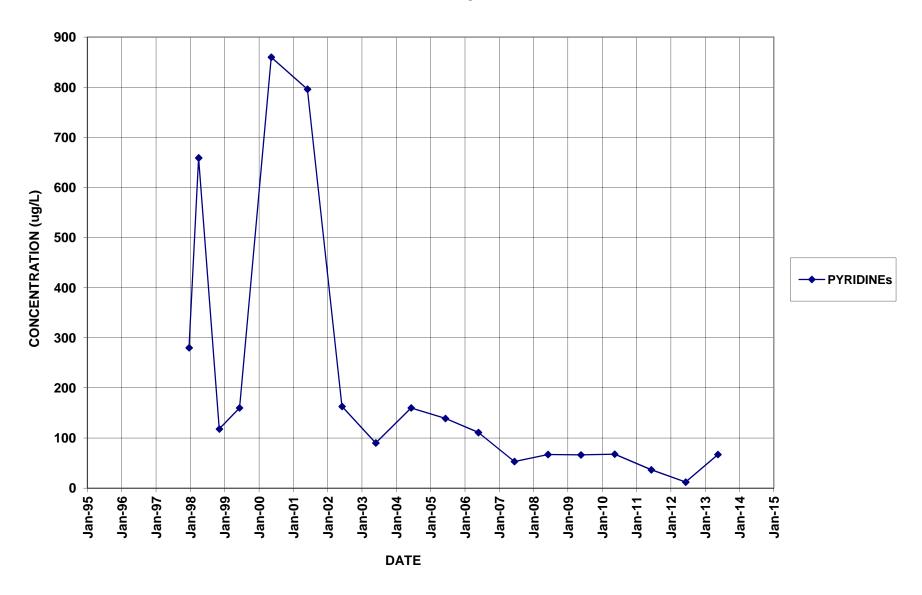
BR-118D



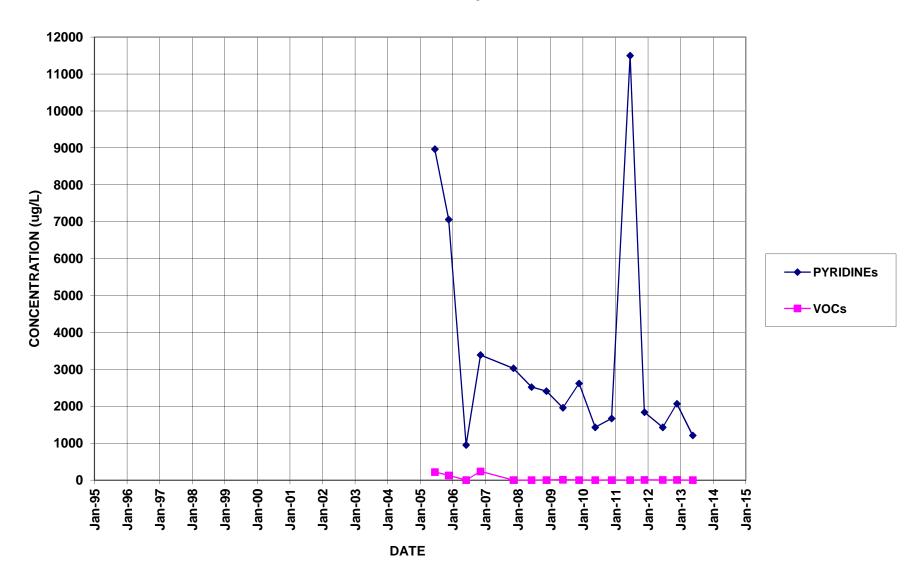
BR-122D



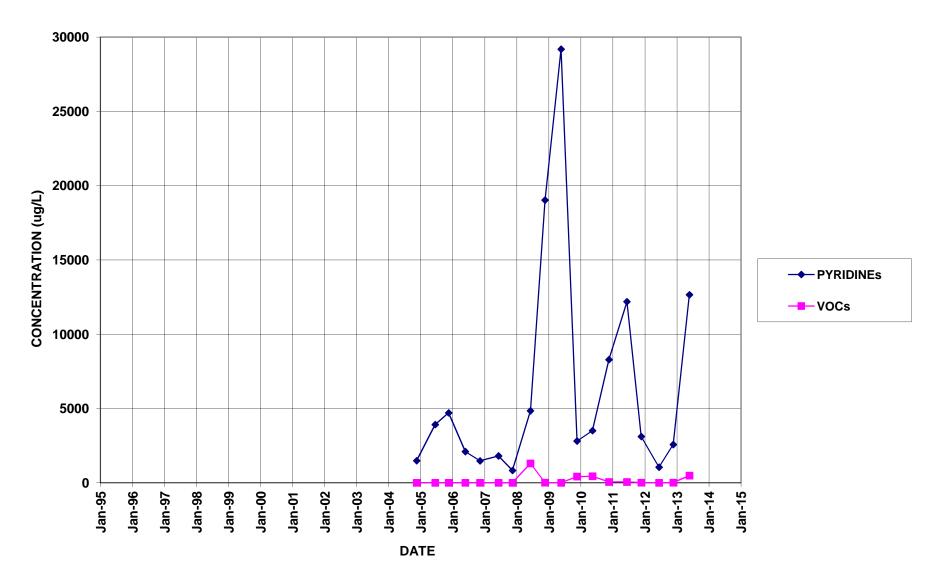
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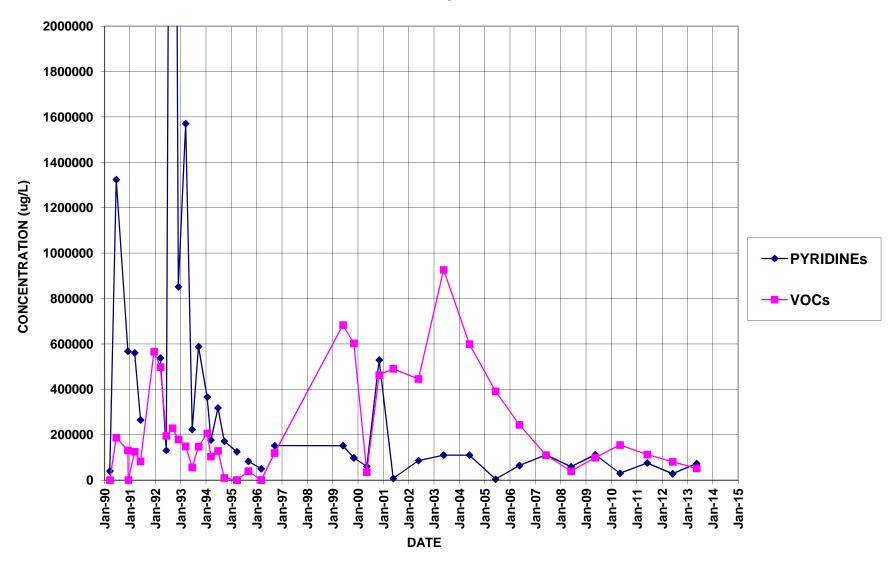
BR-126



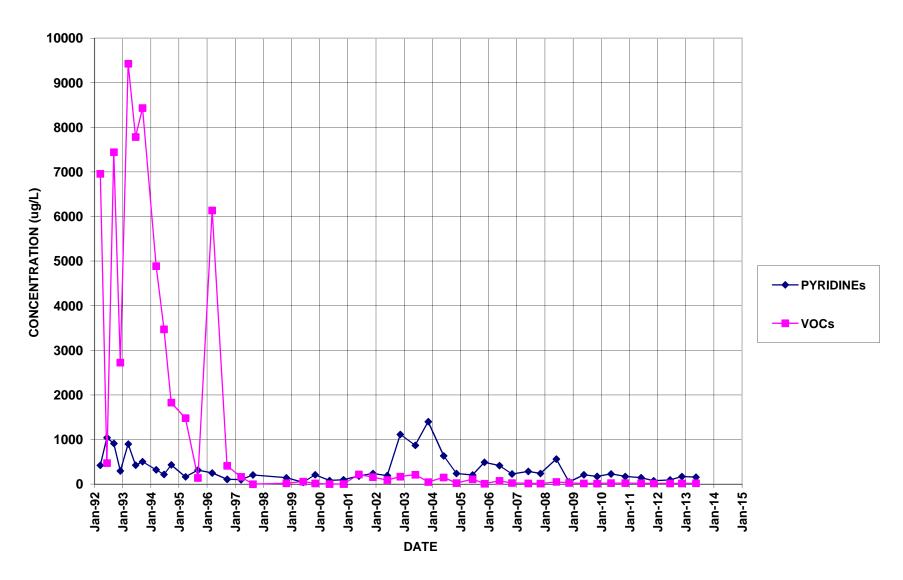
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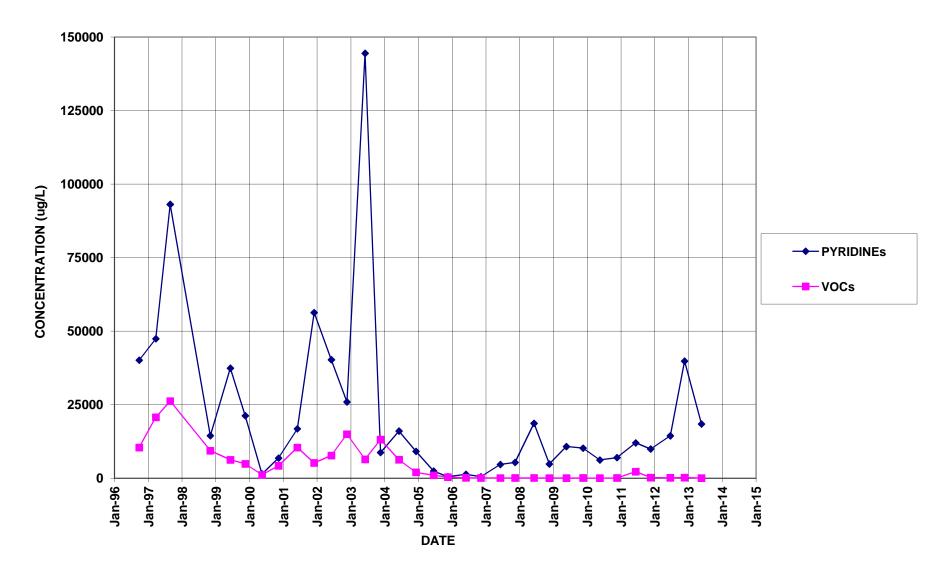


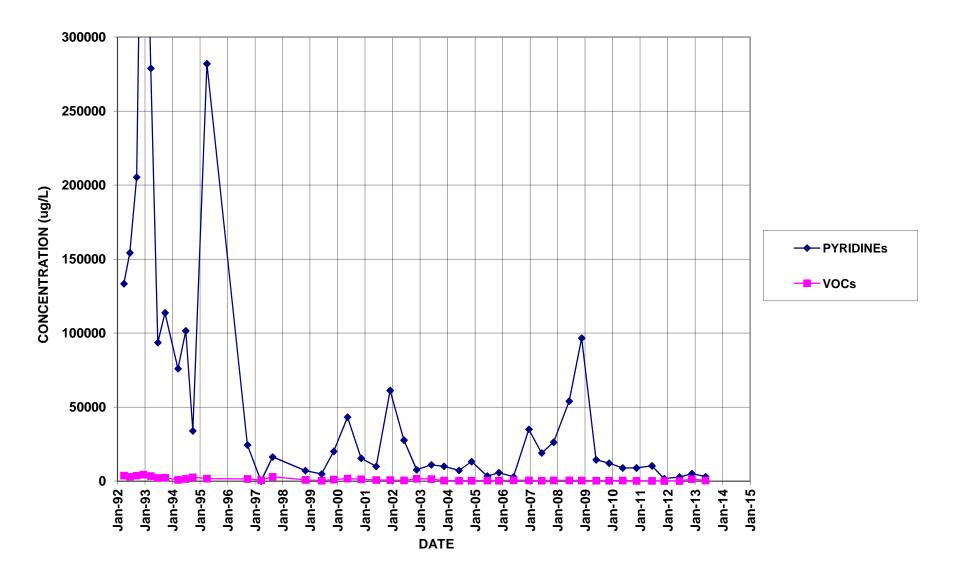


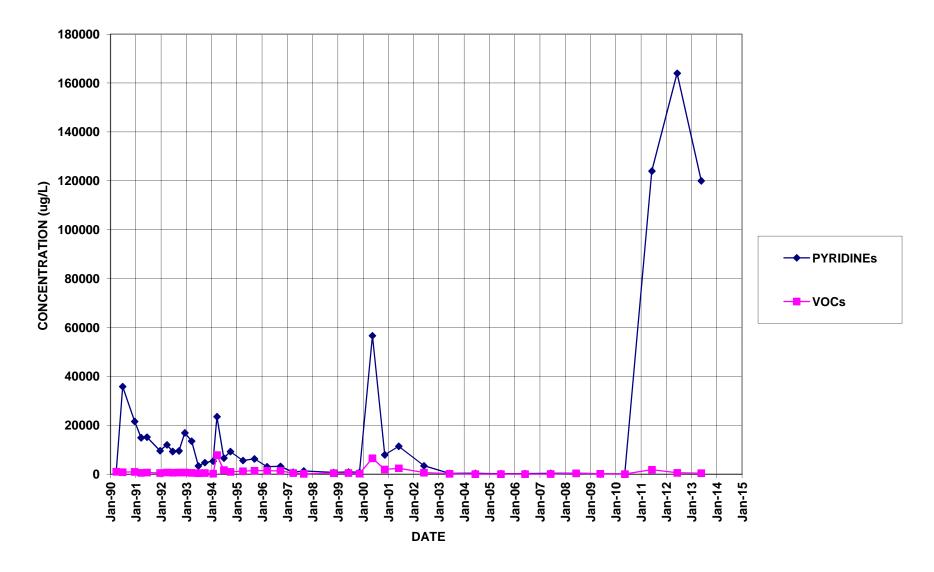


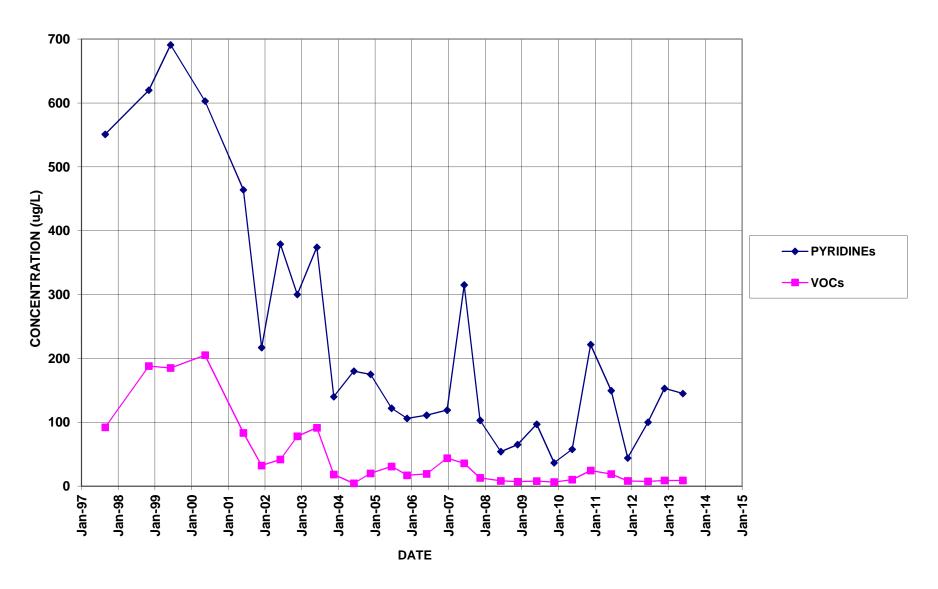




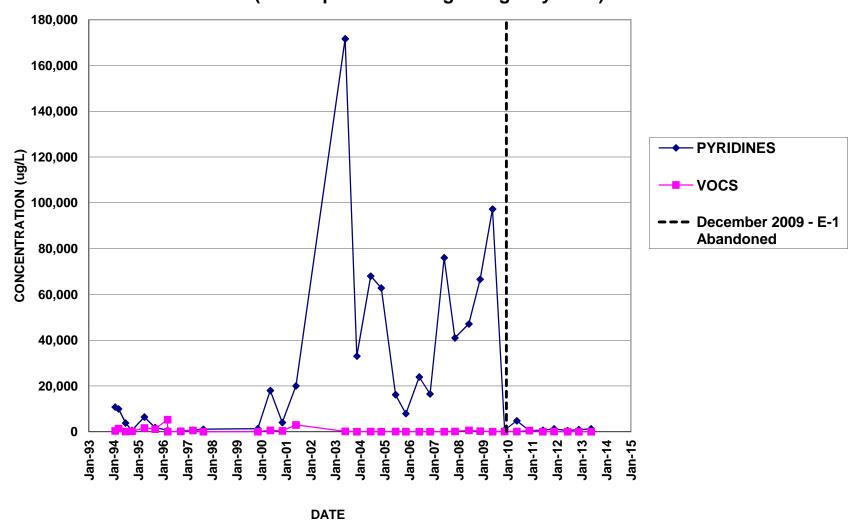


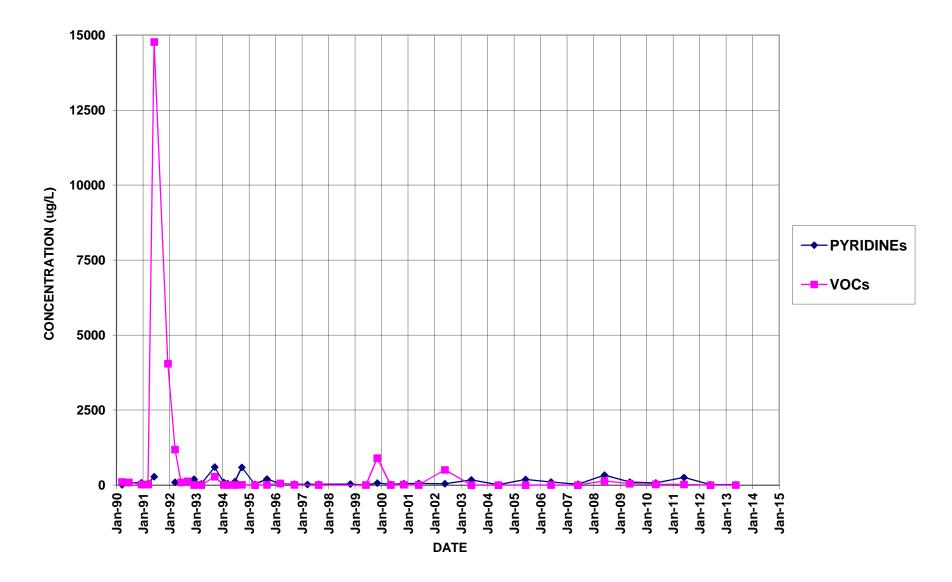


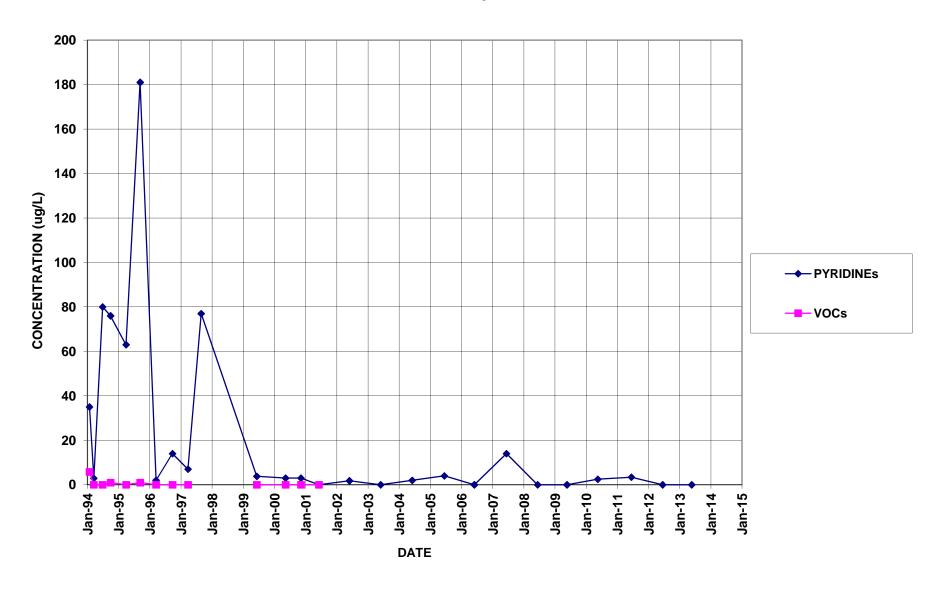


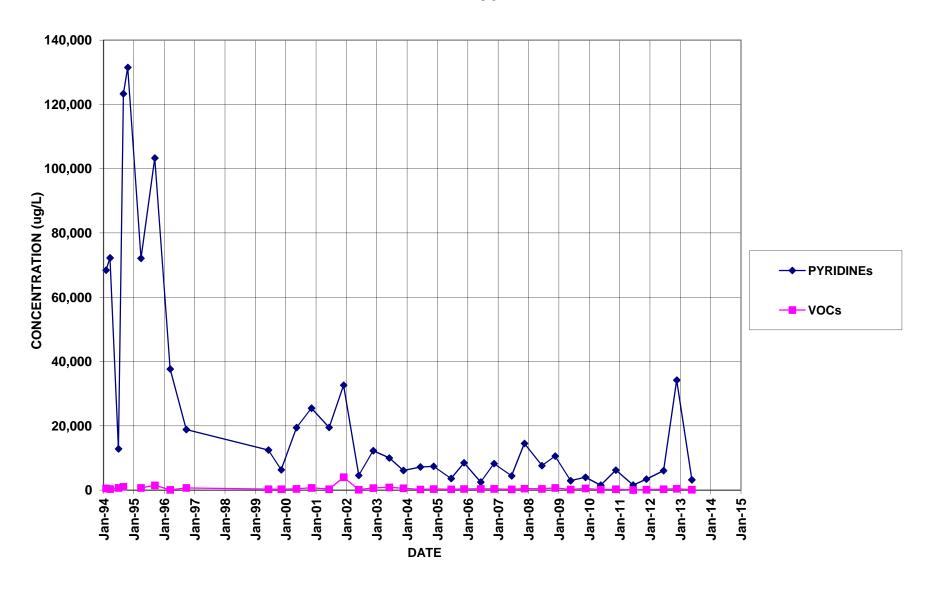


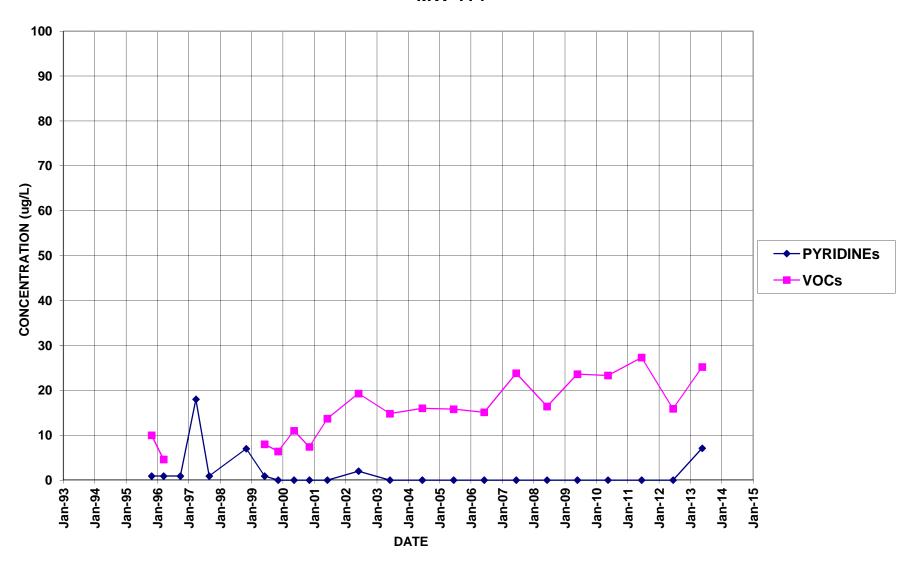
E-1 / B-11 (B-11 replaced E-1 beginning May 2010)

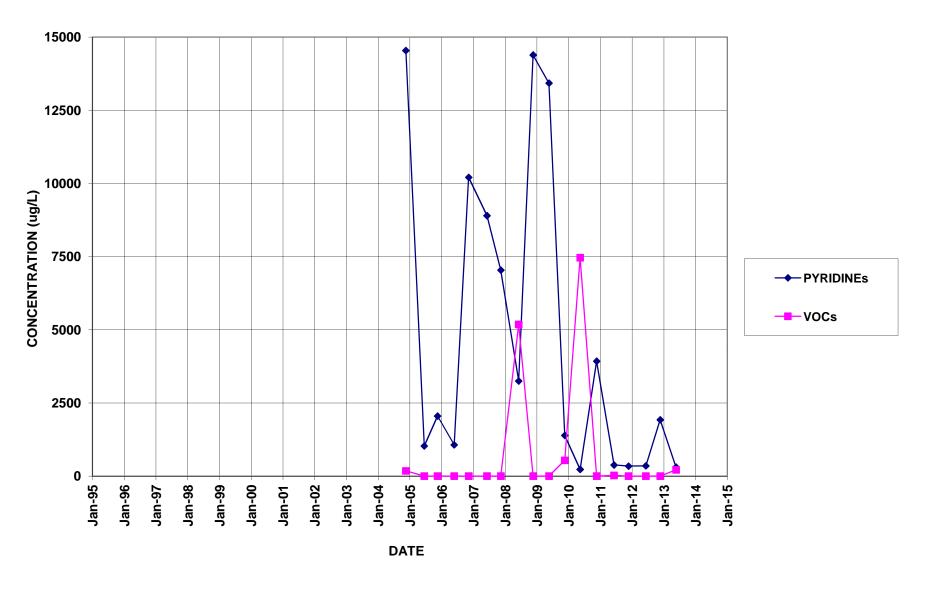




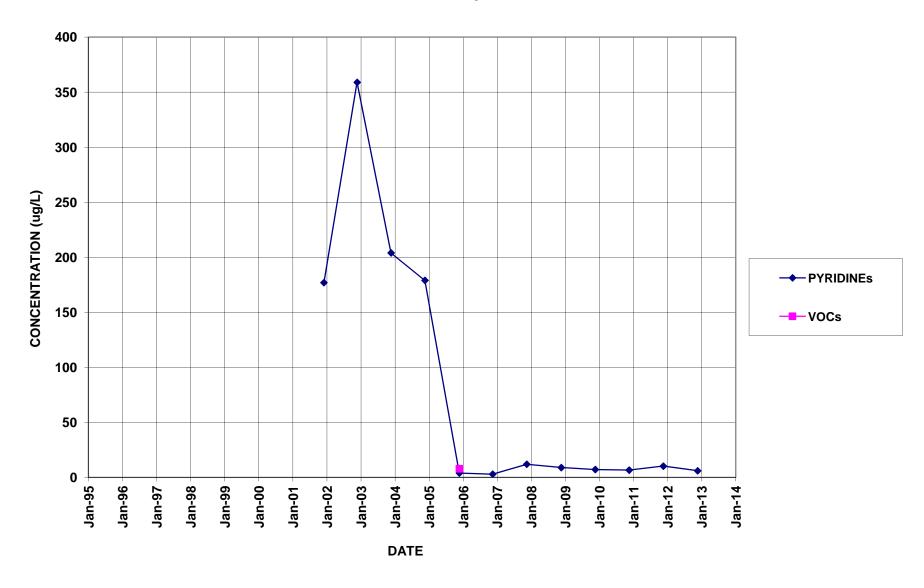




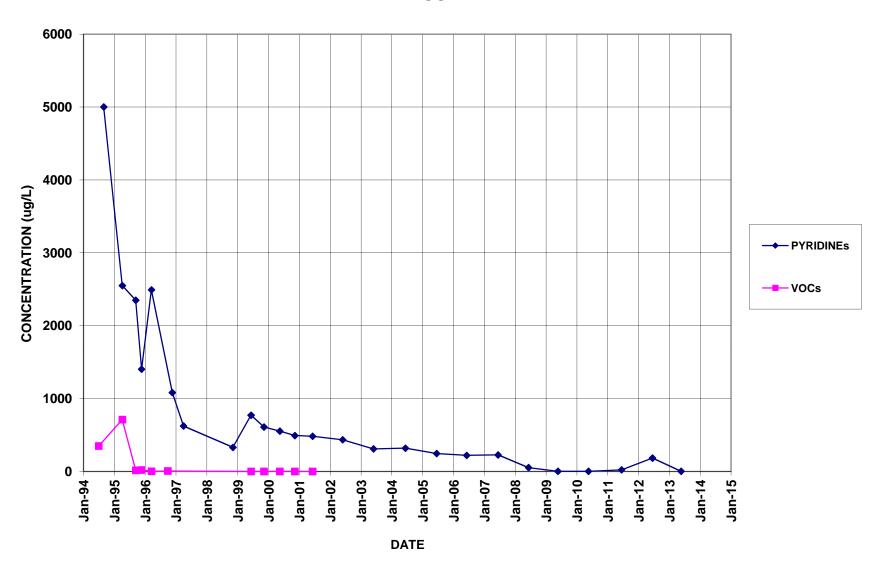




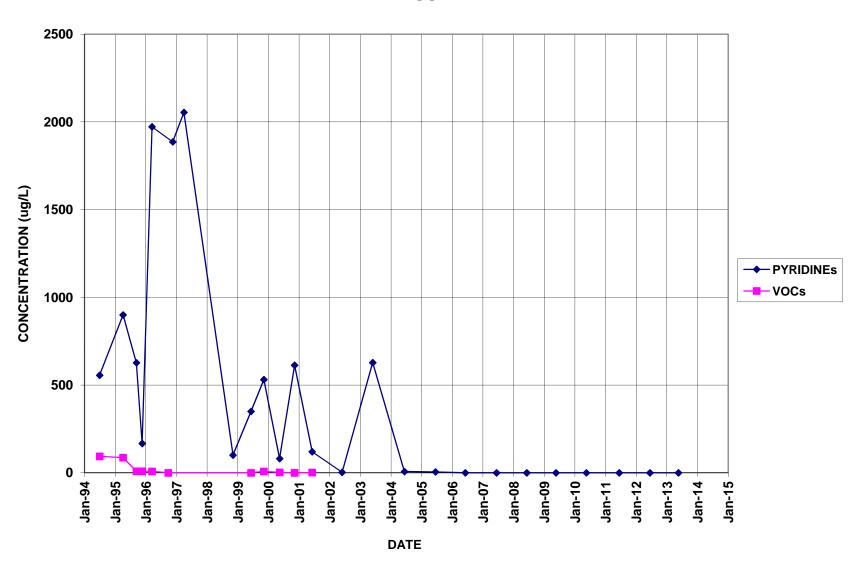




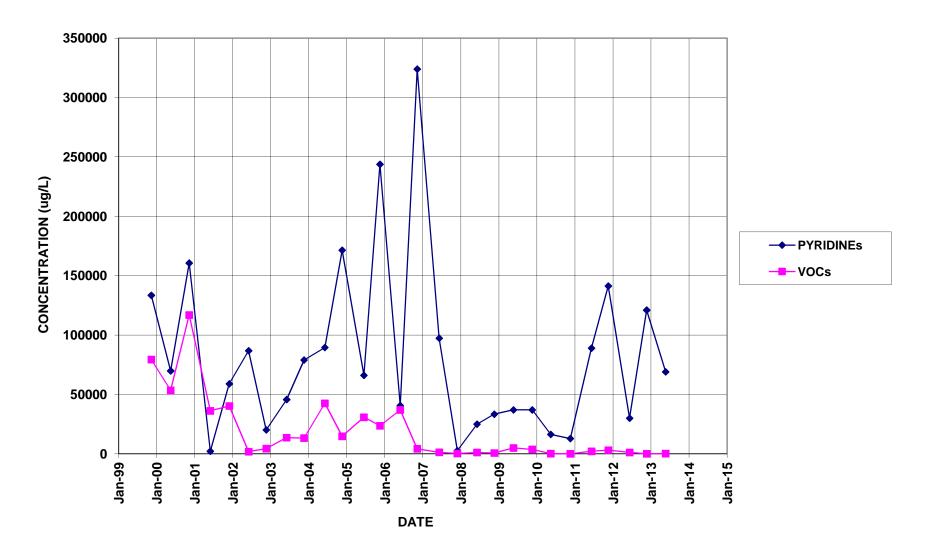
NESS-E



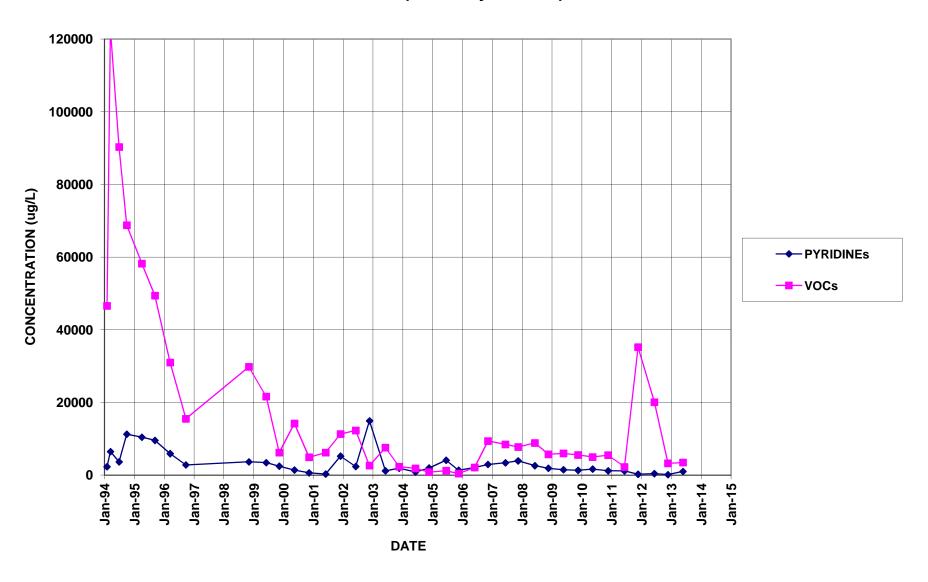
NESS-W



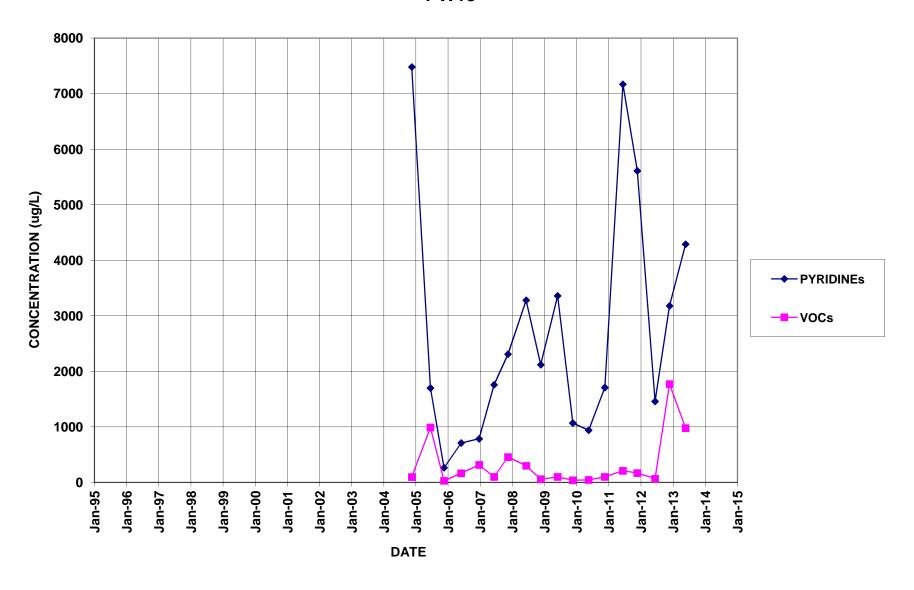
PW10



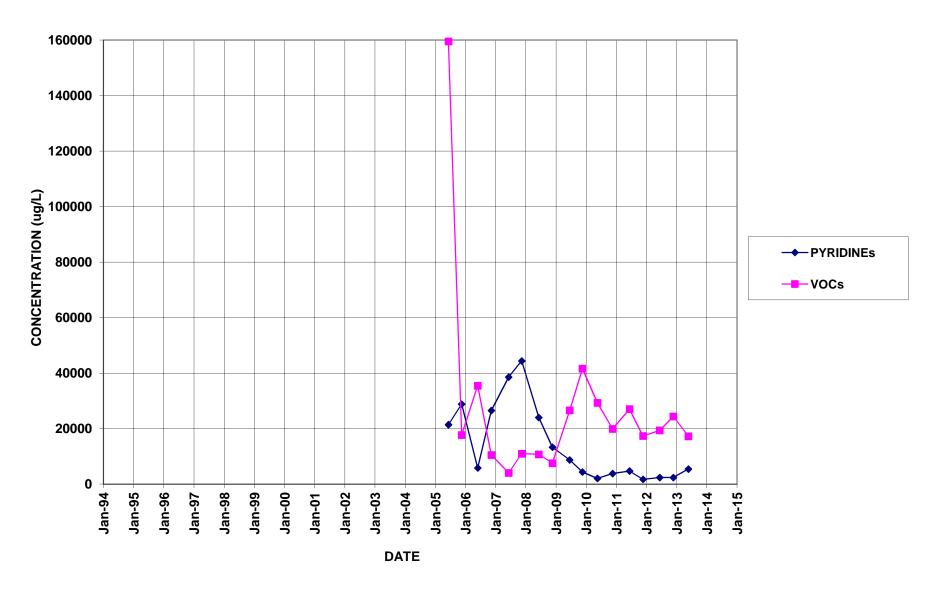
PW12 (Formerly BR-101)



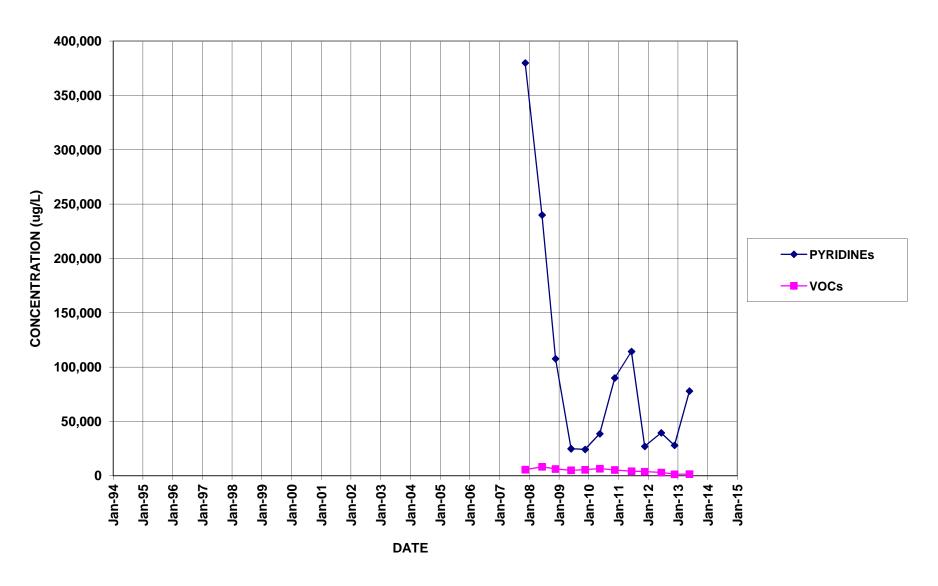
PW13



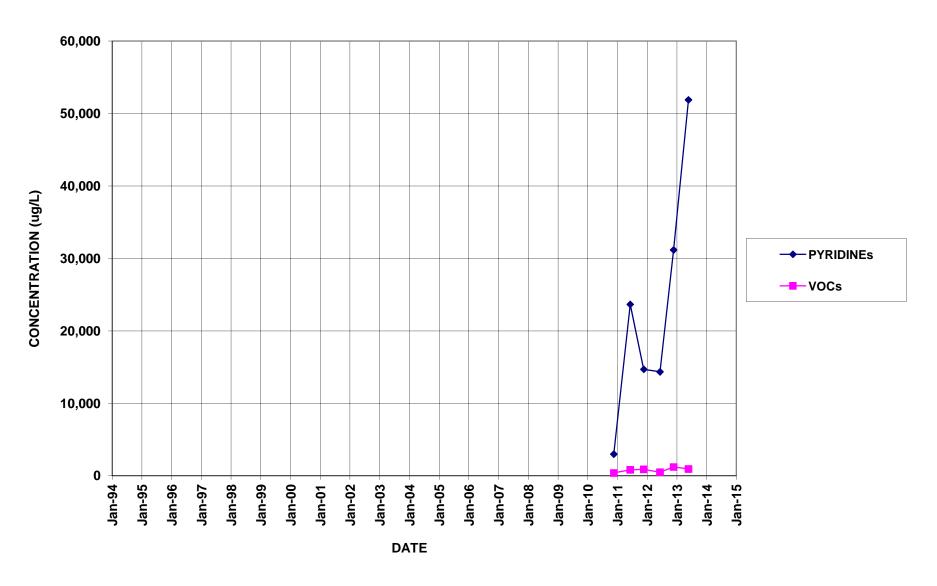


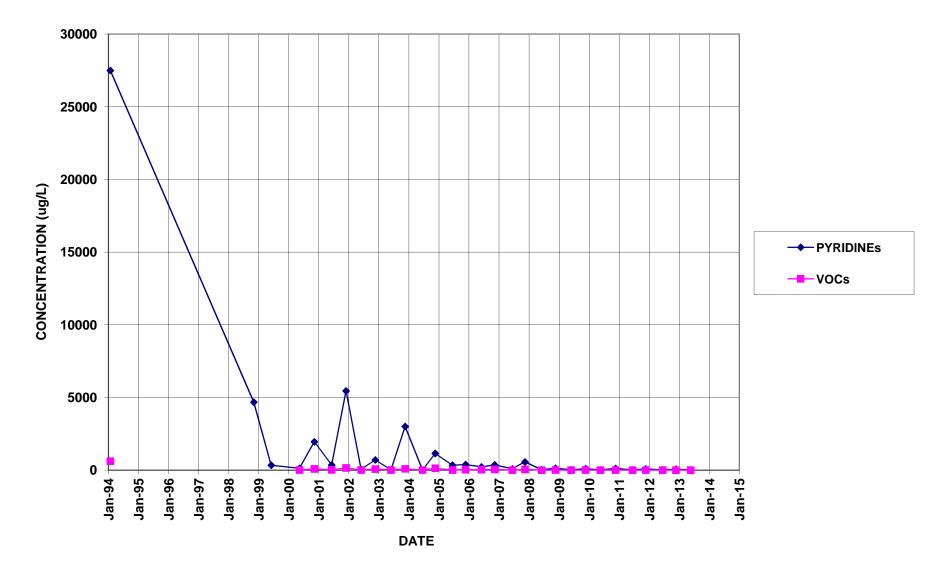


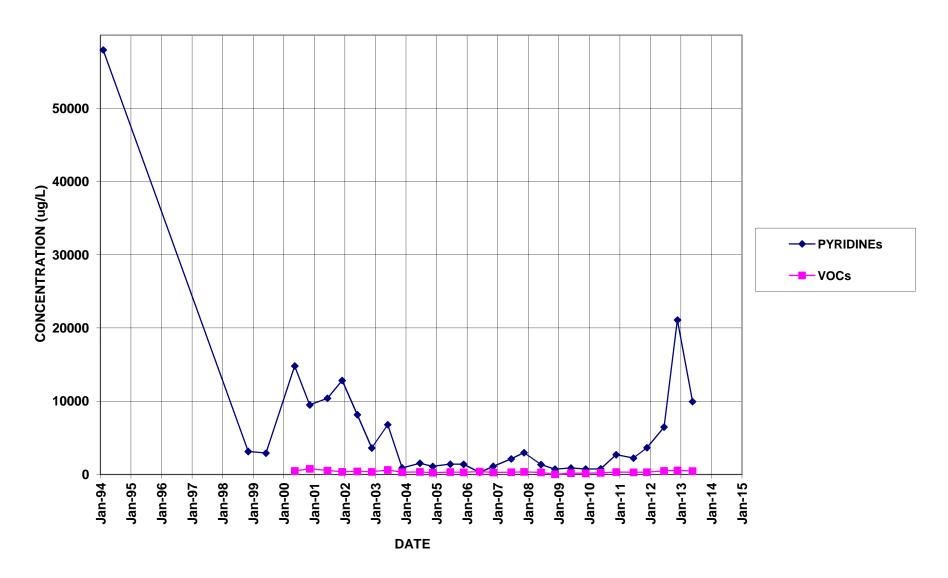
PW15

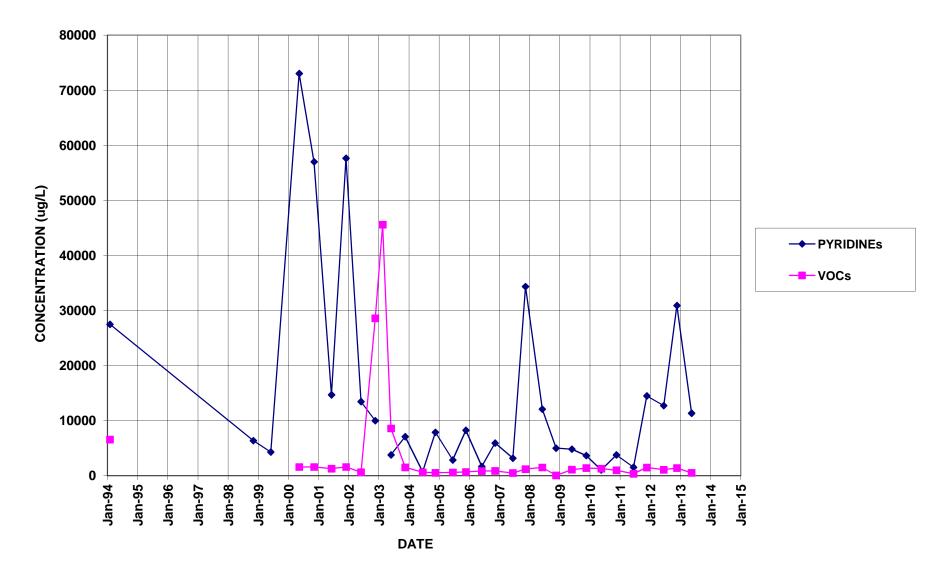


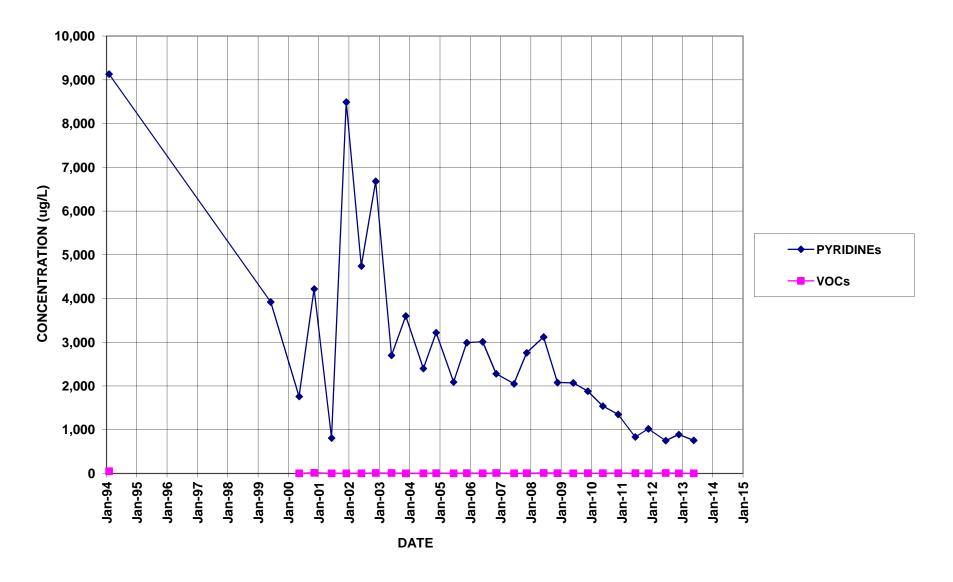


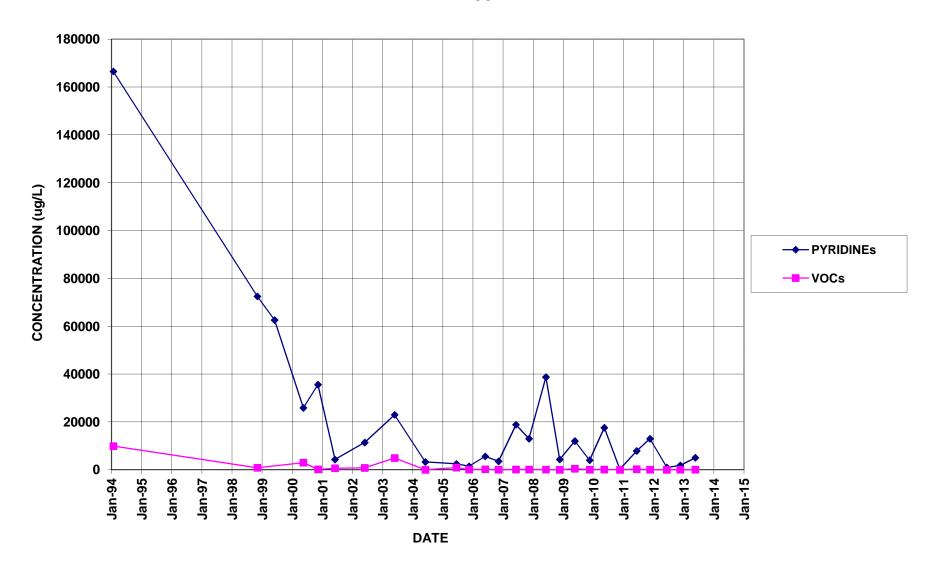


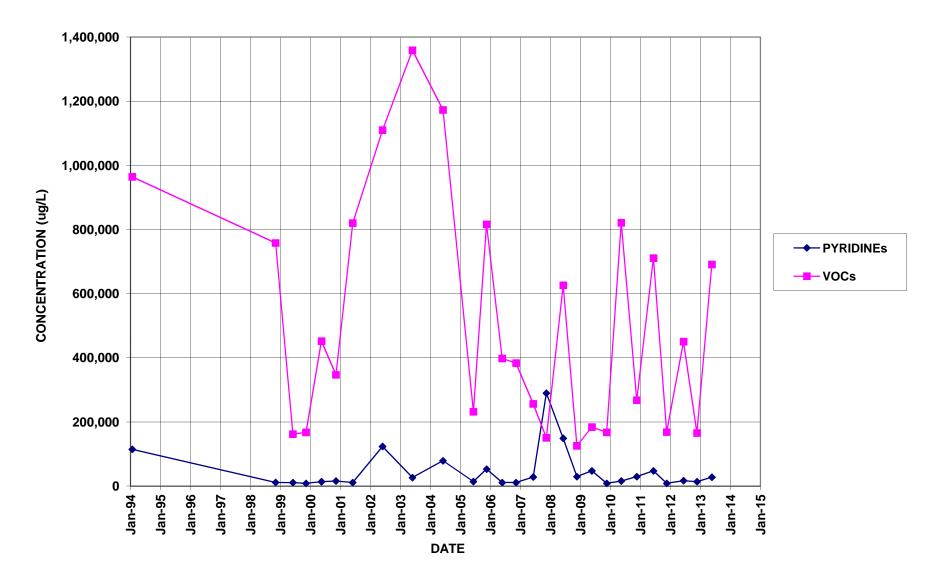


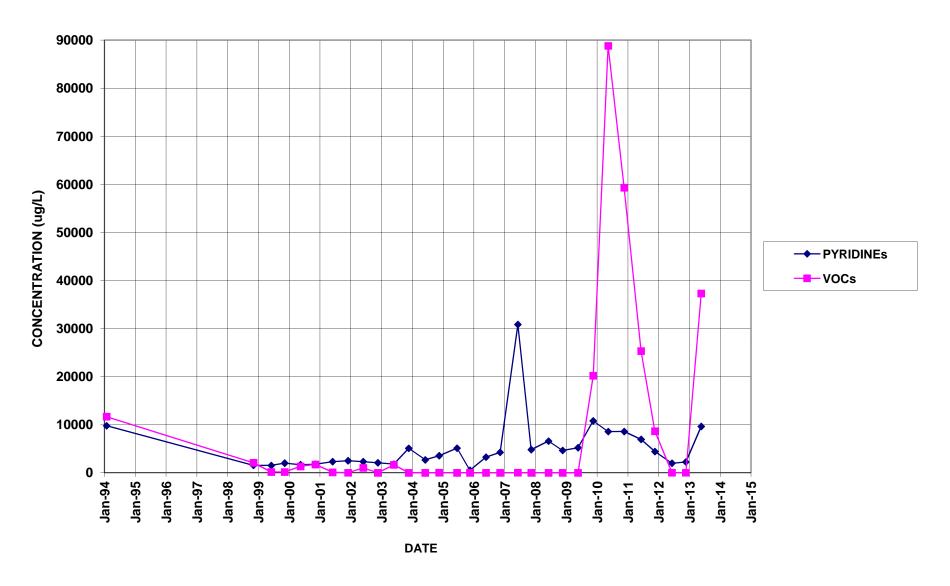




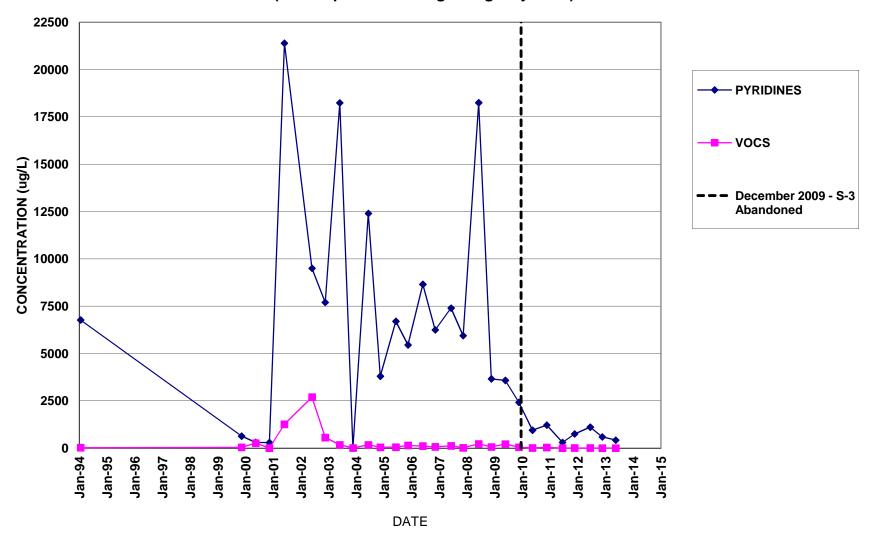




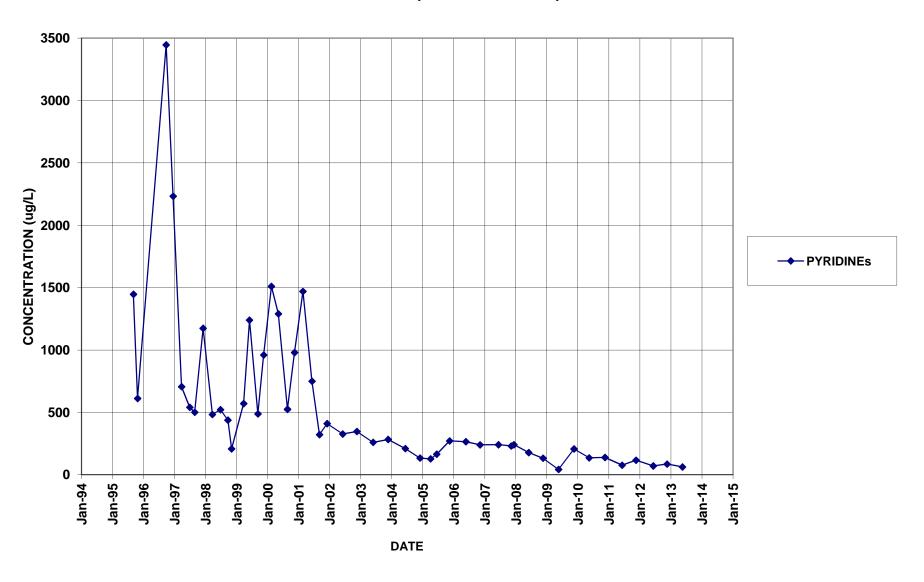




S-3 / B-16 (B-16 replaced S-3 beginning May 2010)



QS-4 (QUARRY SEEP)



QO-2 (QUARRY OUTFALL)

