Environmental,
Geothermal & Well Drilling

February 18, 2013

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SUPERFUND SECTION

NC Department of Environment and Natural Resources
Division of Waste Management
Inactive Hazardous Sites Branch
Attn.: Sue Robbins
127 Cardinal Drive Extension
Wilmington, North Carolina 28405

Re.: Bradford Pools and Spas (Formerly Paziuk Warehouse)
710 Sunnydale Drive
Wilmington, North Carolina
Groundwater Incident No. 87038

Dear Ms. Robbins,

The following information is provided for review:

Table 1	Groundwater Table Elevations Summary
Table 2	Historical Groundwater Sample Results Summary
Figure 1	Site Vicinity Map
Figure 2	Site Map With Monitoring And Abandoned Water Supply Well Locations
Figure 3	Groundwater Contours For Aquifer Zone #2 As Of 12/18/13
Figure 4	Cis-1,2-Dichloroethene Concentrations In Aquifer Zone #2 As Of 12/18/12
Figure 5	Trichloroethene Concentrations In Aquifer Zone #2 As Of 12/18/12
Figure 6	Tetrachloroethene Concentrations In Aquifer Zone #2 As Of 12/18/12
Figure 7	Vinyl Chloride Concentrations In Aquifer Zone #2 As Of 12/18/12
Figure 8	Proposed Monitoring Well and Air/ Soil Gas Sampling Locations
Appendix A	Laboratory Results With Chain of Custody Records

Groundwater Sampling Activities

Figure 1 is a Site Vicinity Map showing the project location. The investigation included limited groundwater sampling activities as recommended by S&ME in their Groundwater Assessment Report dated May 11, 2012. Monitoring wells (AMW-4D, AMW-6D, AMW-7D, AMW-8D, AMW-9D, and AMW-13D) were gauged for water elevation, purged, and a groundwater sample collected from each well and submitted for laboratory analysis per

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EPA Methods 8260B and 8270D. Well locations are depicted on Figure 2. Purge water was contained in 55 gallon drums and stored on-site for future disposal. Water level depths for Aquifer Zone #2 were found to range from 7.01 to 12.28 feet deep. A Groundwater Table Elevation Summary is provided in Table 1. After the initial round of sampling, it was found that the monitoring well tags in AMW-8S and AMW-8D had been switched. As such, AMW-8S was sampled during the 12/18/12 event. After the switch was discovered, we remobilized, gauged, purged, and sampled AMW-8D on 1/23/13. Based on the calculated elevations, groundwater flow direction for Aquifer Zone #2 is to the south and southwest, consistent with historical flow patterns. Groundwater Contours For Aquifer Zone #2 As Of 12/18/12 are depicted on Figure 3.

Groundwater Sampling Results

Based on laboratory results, AMW-6D was found to be compliant for all compounds tested. This well has remained compliant for three consecutive events. The other five monitoring wells tested (AMW-4D, AMW-7D, AMW-8D, AMW-9D, and AMW-13D) were found to contain non-compliant compounds as compared to the NCAC T:15A 02L Groundwater Quality Standards. Monitoring wells AMW-4D, AMW-7D, and AMW-8D revealed several decreases in contaminant concentrations with the exception of cis-1,2-Dichloroethene which increased at all three locations. AMW-4D increased from 2,790 to 5,080 ppb, AMW-7D increased from 994 to 4,250 ppb, and AMW-8D increased from 831 to 1,090 ppb. AMW-9D revealed relatively no significant changes; however, vinyl chloride concentrations continue to trend downward. AMW-13D revealed a significant increase in vinyl chloride from below quantitation limits to 2,810 ppb. Also, significant decreases were found for trichloroethene and cis 1,2-Dichloroethene concentrations with trichloroethene decreasing from 134,000 ppb to a compliant 2.16 ppb estimated, and cis 1,2-Dichloroethene decreasing from 71,400 ppb to 7,230 ppb. A Historical Groundwater Sample Results Summary is provided in Table 2. Contaminant concentration maps were prepared for the non-compliant monitoring wells within Aquifer Zone #2 and are depict on Figures 4 through 7. As shown on Figures 4 and 7, the cis-1,2-Dichloroethene and vinyl chloride plumes remain undelineated to the south-southeast. Also, an encroaching plume from an off-site source is present to the east. The trichloroethene and tetrachloroethene plumes shown on Figures 5 and 6 are believed to be delineated within the property limits; however, this sampling event did not collect enough downgradient data for confirmation. It should be noted that the Roadway Express property to the immediate west was recently aquired by Seven Ten, L.L.C.

Conclusions and Recommendations

Groundwater sampling activities were recently conducted at the site by ARM. Monitoring wells (AMW-4D, AMW-6D, AMW-7D, AMW-8D, AMW-9D, and AMW-13D) were sampled as recommended by S&ME in their Groundwater Assessment Report dated May 11, 2012. Based on laboratory results, AMW-6D was found to be compliant for all compounds tested.

The other five monitoring wells tested (AMW-4D, AMW-7D, AMW-8D, AMW-9D, and AMW-13D) were found to contain non-compliant compounds as compared to the NCAC T:15A 02L Groundwater Quality Standards. The groundwater contaminant plumes at the site are essentially delineated with the exception of the south -southwest portion of the site. The following recommendations are made:

1. Construct one Type I well adjacent to the former Roadway Express southeastern property line in an attempt to delineate the groundwater plumes to the south-southwest. The well should be constructed in the far south-southeastern portion of the property. Also, the well should be installed on the top of the confining clay unit which has been present between approximately 34 and 47 feet below ground surface. The proposed well location is depicted on Figure 8.

2. Collect groundwater samples from the newly proposed well and AMW-12D. Analyze the samples per EPA Methods 8260B and 8270D.

3. Conduct vapor intrusion monitoring to test the indoor air quality and soil gas concentrations beneath the building's slab structure. One air sample should be collected from inside the building structure and analyzed per EPA Method TO 15. Also, two soil gas samples should be collected from beneath the building's slab in areas where the highest contaminant concentrations are likely to exist. See Figure 8 for proposed air/soil gas sample locations.

If you have any questions or require additional information, please do not hesitate to call.

Sincerely,

Joseph L. Zuncich
Project Manager/ Environmental Geologist

James L Cornette, P.G.
Project Manager

encs.

cc: Mr. Mark Miller, Bradford Pools and Spas, w/encs.

NORTH CAROLINA LICENSED SEAL 1214 GEOLOGIST JAMES L. CORNETTE 2/18/13

TABLES

TABLE 1 (page 1 of 4)

GROUNDWATER TABLE ELEVATIONS SUMMARY

BRADFORD POOLS AND SPAS
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE GAUGED	TOP OF CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	WATER TABLE ELEVATION (Feet)
MW-1*	12/18/03	99.89	0.65	99.24
	3/9/04	99.89	1.17	98.72
	11/30/04	99.89	1.32	97.99
	07/05/07	99.89	2.92	96.97
MW-2*	12/18/03	99.81	0.64	99.17
	3/9/04	99.81	1.15	98.66
	11/30/04	99.81	1.32	98.49
	07/05/07	99.81	2.85	96.96
MW-3*	12/18/03	99.64	1.81	97.83
	3/9/04	99.64	2.11	97.53
	11/30/04	99.64	2.02	97.62
	07/05/07	99.64	3.00	96.64
AMW-1*	12/18/03	99.91	0.84	99.07
	3/9/04	99.91	1.25	98.66
	11/30/04	99.91	Inaccessible	-
	07/05/07	99.91	2.97	96.94
AMW-2*	12/18/03	100.00	0.03	99.97
	3/9/04	100.00	0.52	99.48
	11/30/04	100.00	0.69	99.31
	07/05/07	100.00	2.80	97.20
AMW-3*	12/18/03	100.84	1.14	99.70
	3/9/04	100.84	1.58	99.26
	11/30/04	100.84	1.68	99.16
	07/05/07	100.84	2.85	**97.99

TABLE 1 (page 2 of 4)

GROUNDWATER TABLE ELEVATIONS SUMMARY

BRADFORD POOLS AND SPAS
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE GAUGED	TOP OF CASING ELEVATION (FEET)	DEPTH TO WATER (FEET)	WATER TABLE ELEVATION (FEET)
AMW-4*	12/18/03	98.45	1.60	96.85
	3/9/04	98.45	1.81	96.64
	11/30/04	98.45	1.90	96.55
	07/05/07	98.45	2.65	95.80
AMW-4D	3/9/04	98.35	15.20	83.15
	11/30/04	98.35	14.92	83.43
	07/05/07	98.35	18.39	79.96
	12/18/12	98.35	12.28	86.07
AMW-5*	12/18/03	97.66	3.00	94.66
	3/9/04	97.66	3.23	94.43
	11/30/04	97.66	3.47	94.19
	07/05/07	97.66	4.33	93.33
AMW-6D	3/9/04	104.05	11.73	92.32
	11/30/04	104.05	11.81	92.24
	07/05/07	104.05	14.43	89.62
	12/18/12	104.05	11.78	92.27
AMW-7D	3/9/04	98.38	14.72	83.66
	11/30/04	98.38	14.46	83.92
	07/05/07	98.38	17.90	80.48
	12/18/12	98.38	12.01	86.37
AMW-8S	3/9/04	98.46	4.36	94.10
	11/30/04	98.46	3.90	94.56
	07/05/07	98.46	5.35	93.11
	12/18/12	98.46	4.14	94.32
AMW-8D	3/9/04	98.61	14.85	83.76
	11/30/04	98.61	14.25	84.36
	07/05/07	98.61	17.78	80.83
	1/23/13	98.61	11.70	86.91

TABLE 1 (page 3 of 4)

GROUNDWATER TABLE ELEVATIONS SUMMARY

BRADFORD POOLS AND SPAS
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE GAUGED	TOP OF CASING ELEVATION (FEET)	DEPTH TO WATER (FEET)	WATER TABLE ELEVATION (FEET)
AMW-9S*	3/9/04	92.97	2.61	90.36
	11/30/04	92.97	2.98	89.99
	07/05/07	92.97	4.08	88.89
AMW-9D	3/9/04	93.06	7.90	85.16
	11/30/04	93.06	7.84	85.22
	07/05/07	93.06	10.72	82.34
	12/18/12	93.06	7.01	86.05
AMW-10S*	11/30/04	99.76	5.55	94.21
	07/05/07	99.76	6.40	93.36
AMW-10D*	11/30/04	99.88	13.90	85.98
	07/05/07	99.88	17.15	82.73
AMW-11S*	11/30/04	102.66	4.74	97.92
	07/05/07	102.66	5.64	97.02
AMW-11D*	11/30/04	102.84	13.88	88.96
	07/05/07	102.84	16.10	86.74
AMW-12S*	11/30/04	97.64	2.25	95.39
	07/05/07	97.64	3.26	94.38
AMW-12D*	11/30/04	97.50	17.96	79.54
	07/05/07	97.50	21.11	76.39
AMW-13D	11/30/04	91.88	7.38	84.50
	07/05/07	91.88	10.35	81.53
	12/18/12	91.88	6.65	85.23
AMW-14S*	11/30/04	97.50	4.60	92.90
	07/05/07	97.50	7.01	90.49

TABLE 1 (page 4 of 4)

GROUNDWATER TABLE ELEVATIONS SUMMARY

BRADFORD POOLS AND SPAS
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE GAUGED	TOP OF CASING ELEVATION (FEET)	DEPTH TO WATER (FEET)	WATER TABLE ELEVATION (FEET)
AMW-14D*	11/30/04	97.53	10.70	86.83
	07/05/07	97.53	13.53	84.00
T-1*	3/9/04	98.48	14.79	83.69
	11/30/04	98.48	14.31	84.17
	07/05/07	98.48	17.06	81.42
T-2*	11/30/04	99.23	16.18	83.05
	07/05/07	Destroyed	Destroyed	Destroyed

* = Not sampled during the 12/18/12 event.
It should be noted that AMW-8S was sampled during this event due to an accidental error in well tag placement.
AMW-8D was measured and sampled on 1/23/13.

TABLE 2
1 of 4
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY
FORMER PAZIUK WAREHOUSE
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

ANALYTE	NCAC 02L STANDARD	MW-1*			MW-2*			MW-3*			AMW-1*			AMW-2*			AMW-3*		
	DATE SAMPLED	12/18/03	5/4/05	7/05/07	12/18/03	5/4/05	7/05/07	12/18/03	5/4/05	7/05/07	12/18/03	5/4/05	7/05/07	12/18/03	5/4/05	7/05/07	12/18/03	5/4/05	7/05/07
EPA METHOD 6210D (Concentrations in ppb)																			
CHLORODIBROMOMETHANE	0.41	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	3.4	BQL	BQL
TOLUENE	600	BDL	BQL	BQL	6.7	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
XYLENES	500	BDL	BQL	BQL	8.0	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ETHYLBENZENE	600	BDL	BQL	BQL	1.8	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
4-ISOPROPYLTOLUENE	NE	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	0.78	BQL	BDL	BQL	BQL
NAPHTHALENE	6	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	0.51	BQL	BDL	BQL	BQL
n-PROPYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	0.51	BQL	BDL	BQL	BQL
TETRACHLOROETHENE	0.7	2.0	0.56	12.4	265.0	78.1	608	2.1	BQL	BQL	4,450.0	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,4-DICHLOROBENZENE	6	BDL	BQL	BQL	2.3	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
n-BUTYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	0.60	BQL	BDL	BQL	BQL
SEC-BUTYLBENZENE	70	BDL	BQL	BQL	2.4	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,2,4-TRIMETHYLBENZENE	400	BDL	BQL	BQL	2.2	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ISOPROPYL BENZENE	70	BDL	BQL	BQL	1.4	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ACETONE	6,000	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	196	BDL	BQL	BQL	BDL	8.29	BQL	BDL	BQL	BQL
TRANS-1,2-DICHLOROETHENE	70	BDL	BQL	9.28	11.8	BQL	BQL	21.1	BQL	BQL	2,500.00	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,1-DICHLOROETHENE	7	BDL	BQL	BQL	40.5	BQL	BQL	3.1	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,1-DICHLOROETHANE	6	BDL	BQL	BQL	2.5	BQL	BQL	10.7	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
CHLOROETHANE	3,000	BDL	BQL	BQL	BDL	BQL	BQL	7.7	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
VINYL CHLORIDE	0.03	BDL	BQL	BQL	3,890.0	403	1,170	1,550.0	383.0	15.9	5,300	600.0	930	BDL	BQL	BQL	12.4	51.1	146
CARBON DISULFIDE	700	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	8.5	BQL	BQL	BDL	BQL	BQL
BROMODICHLOROMETHANE	0.6	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	3.5	BQL	BQL
TRICHLOROETHENE	3	1.9	1.49	13.1	450.0	16.7	318	5.3	BQL	BQL	56,000.0	5,280.0	3,850	BDL	BQL	BQL	1.9	BQL	BQL
CHLOROFORM	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	2.5	BQL	BQL
CIS-1,2-DICHLOROETHENE	70	1.6	1.69	92.6	3,135.0	222	1,550	2,525.0	2,520.0	166	67,500.0	27,300.0	34,500	BDL	BQL	BQL	24.1	176.0	1,450
1,2-DICHLOROBENZENE	20	BDL	BQL	BQL	3.2	5.60	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ALL OTHER COMPOUNDS	Varies	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BQL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
EPA METHOD 8270D (Concentrations in ppb)																			
ALL COMPOUNDS	Varies	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Shaded areas represent concentrations exceeding the NC Groundwater Standards.
BQL = Below Quantitation Limits
BDL = Below Detection Limits
ppb = parts per billion
NE = not established
* = Not sampled during this event 12/18/12
Newly amended 2L groundwater standards applied to most recent event only.
NA = Not Analyzed

TABLE 2 (Continued)
2 of 4
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY
FORMER PAZIUK WAREHOUSE
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

ANALYTE	NCAC 02L STANDARD	AMW-4*			AMW-4D				AMW-5*			AMW-6D				AMW-7D				AMW-8S**			
	DATE SAMPLED	12/18/03	5/4/05	7/05/07	3/8/04	5/4/05	7/05/07	12/18/12	12/18/03	5/4/05	7/05/07	3/8-9/04	5/4/05	7/05/07	12/18/12	3/8-9/04	5/4/05	7/05/07	12/18/12	3/8-9/04	5/4/05	7/05/07	12/18/12
EPA METHOD 6210D and 8260B (Concentrations in ppb)																							
CHLORODIBROMOMETHANE	0.41	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
TOLUENE	600	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	3.0	BQL	BQL	ND	BDL	BQL	BQL	ND
XYLENES	500	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
ETHYLBENZENE	600	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
4-ISOPROPYLTOLUENE	NE	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
NAPHTHALENE	6	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	0.54	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
n-PROPYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
TETRACHLOROETHENE	0.7	245.0	BQL	BQL	7.8	BQL	336	3.52J	1.7	BQL	BQL	BDL	BQL	BQL	ND	4.5	83.2	508	360	BDL	BQL	BQL	ND
1,4-DICHLOROBENZENE	6	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
SEC-BUTYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
1,2,4-TRIMETHYLBENZENE	400	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	0.660	ND
1,3,5-TRIMETHYLBENZENE	400	BDL	BQL	BQL	2.1	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
ISOPROPYL BENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
ACETONE	6,000	BDL	5.92	8.86	BDL	BQL	BQL	ND	BDL	7.04	BQL	2,430.0	7.67	BQL	ND	48.6	BQL	BQL	ND	126.0	BQL	BQL	ND
TRANS-1,2-DICHLOROETHENE	70	BDL	0.60	BQL	10.0	BQL	BQL	64.2	BDL	BQL	BQL	BDL	BQL	BQL	ND	101.0	20.0	BQL	56.4	BDL	BQL	0.770	ND
1,1-DICHLOROETHENE	7	BDL	BQL	BQL	BDL	BQL	BQL	9.28	BDL	BQL	BQL	BDL	BQL	BQL	ND	7.6	BQL	BQL	18.1	BDL	BQL	BQL	ND
1,1-DICHLOROETHANE	6	BDL	BQL	BQL	1.1	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	16.0	BQL	BQL	3.44J	BDL	BQL	BQL	ND
CHLOROETHANE	3,000	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
VINYL CHLORIDE	0.03	BDL	BQL	1.89	90.0	BQL	226	151	BDL	BQL	BQL	BDL	BQL	BQL	ND	164.0	BQL	58.4	42.7	BDL	BQL	1.31	ND
CARBON DISULFIDE	700	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
BROMODICHLOROMETHANE	0.6	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
TRICHLOROETHENE	3	4.3	2.42	BQL	15.2	284.0	2,890	49.3	1.5	BQL	BQL	BDL	BQL	BQL	ND	79.0	319.0	1,390	1,220	BDL	BQL	1.67	ND
CHLOROFORM	70	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
CIS-1,2-DICHLOROETHENE	70	11.1	29.8	30.3	260.0	958.0	2,790	5,080	2.2	BQL	0.550	1.5	BQL	BQL	ND	4,950.0	872.0	994	4,250	2.2	BQL	36.4	1.85
1,2-DICHLOROBENZENE	20	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
ALL OTHER COMPOUNDS	Varies	BQL	BQL	BQL	BQL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND	BDL	BQL	BQL	ND
EPA METHOD 8270D (Concentrations in ppb)																							
Bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA	NA	6.44	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	36.3	NA	NA	NA	ND
ALL OTHER COMPOUNDS	Varies	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND

Shaded areas represent concentrations exceeding the NC Groundwater Standards.
BDL = Below Detection Limits
BQL= Below Quantitation Limits
ppb = parts per billion
NE = Not Established
* = Not sampled during this event 12/18/12
** = AMW-8S sampled instead of AMW-8D due to switched well tags.
Newly amended 2L groundwater standards applied to most recent event only.

TABLE 2 (Continued)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

FORMER PAZIUK WAREHOUSE
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

ANALYTE	NCAC 02L STANDARD	AMW-8D				AMW-9S*			AMW-9D				AMW-10S*			AMW-10D*			AMW-11S*		
DATE SAMPLED		3/8-9/04	5/4/05	7/05/07	1/23/13	3/8-9/04	5/4/05	7/05/07	3/8-9/04	5/4/05	7/05/07	12/18/12	11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07
EPA METHOD 6210D and 8260B (Concentrations in ppb)																					
CHLORODIBROMOMETHANE	0.41	BDL	BQL	BQL	NA	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	20.3	BQL	BQL	BDL	BQL	BQL
TOLUENE	600	BDL	BQL	BQL	<1.6	BDL	BQL	BQL	2.2	BQL	BQL	ND	BDL	BQL	BQL	2.3	BQL	BQL	BDL	BQL	BQL
XYLENES	500	BDL	BQL	BQL	<3.1	BDL	BQL	BQL	3.5	BQL	BQL	1.12J	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ETHYLBENZENE	600	BDL	BQL	BQL	<1.6	BDL	BQL	BQL	BDL	BQL	BQL	1.57	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
4-ISOPROPYLTOLUENE	NE	BDL	BQL	BQL	NA	BDL	BQL	BQL	BDL	BQL	BQL	0.240J	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
NAPHTHALENE	6	BDL	BQL	BQL	<2.0	BDL	BQL	BQL	BDL	BQL	BQL	3.41	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
n-PROPYLBENZENE	70	BDL	BQL	BQL	<1.5	BDL	BQL	BQL	BDL	BQL	BQL	1.05	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
TETRACHLOROETHENE	0.7	BDL	BQL	BQL	<1.8	BDL	BQL	BQL	BDL	BQL	BQL	ND	360.0	BQL	BQL	13.8	BQL	BQL	BDL	BQL	BQL
1,4-DICHLOROBENZENE	6	BDL	BQL	BQL	<1.5	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
SEC-BUTYLBENZENE	70	BDL	BQL	BQL	<1.7	BDL	BQL	BQL	BDL	BQL	BQL	0.700J	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,2,4-TRIMETHYLBENZENE	400	BDL	BQL	BQL	<1.5	BDL	BQL	BQL	BDL	BQL	BQL	7.70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
1,3,5-TRIMETHYLBENZENE	400	BDL	BQL	BQL	<1.3	BDL	BQL	BQL	BDL	BQL	BQL	3.31	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ISOPROPYLBENZENE	70	BDL	BQL	BQL	<1.6	BDL	BQL	BQL	BDL	BQL	1.39	2.12	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ACETONE	6,000	48.7	BQL	BQL	<10.0	BDL	6.28	6.12	4,515.0	137.0	14.1	ND	BDL	BQL	BQL	BDL	43.4	14.0	BDL	8.74	BQL
TRANS-1,2-DICHLOROETHENE	70	BDL	BQL	BQL	26.6	BDL	BQL	BQL	3.6	BQL	BQL	ND	160.0	27.6	51.0	3.2	BQL	BQL	BDL	BQL	BQL
1,1-DICHLOROETHENE	7	BDL	BQL	BQL	2.9J	BDL	BQL	BQL	BDL	BQL	BQL	ND	15.8	BQL	BQL	BDL	BQL	2.68	BDL	BQL	BQL
1,1-DICHLOROETHANE	6	BDL	BQL	BQL	5.1	BDL	BQL	BQL	BDL	BQL	BQL	ND	4.2	BQL	BQL	BDL	4.26	BQL	BDL	BQL	BQL
CHLOROETHANE	3,000	BDL	BQL	BQL	<1.6	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
VINYL CHLORIDE	0.03	BDL	BQL	34.0	12.6	BDL	BQL	BQL	16.9	4.88	2.23	2.15	155.0	20.4	113	2.2	3.74	BQL	BDL	BQL	BQL
CARBON DISULFIDE	700	BDL	BQL	BQL	NA	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
BROMODICHLOROMETHANE	0.6	BDL	BQL	BQL	<1.7	BDL	BQL	BQL	1.4	BQL	BQL	ND	BDL	BQL	BQL	20.2	BQL	BQL	BDL	BQL	BQL
TRICHLOROETHENE	3	15.5	8.04	41.2	29.2	BDL	BQL	BQL	2.2	BQL	BQL	ND	1,240.0	553.0	639	84.0	BQL	BQL	BDL	BQL	BQL
CHLOROFORM	70	BDL	BQL	BQL	<1.9	BDL	BQL	BQL	9.2	BQL	BQL	ND	BDL	BQL	BQL	19.8	BQL	BQL	BDL	BQL	BQL
1,2-DICHLOROETHENE	70	BDL	BQL	BQL	1,120	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
CIS-1,2-DICHLOROETHENE	70	16.5	48.6	831	1,090	1.5	BQL	BQL	112.5	52.3	4.85	1.23	2,170.0	880.0	2,290	107.0	BQL	BQL	BDL	BQL	BQL
1,2-DICHLOROBENZENE	20	BDL	BQL	BQL	<1.5	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
tert-BUTYLBENZENE	70	BDL	BQL	BQL	<1.6	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
ALL OTHER COMPOUNDS	Varies	BDL	BQL	BQL	<Varies	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL
EPA METHOD 8270D (Concentrations in ppb)																					
Bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	<0.79	NA	NA	NA	NA	NA	NA	4.67J	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	6	NA	NA	NA	<0.34	NA	NA	NA	NA	NA	NA	2.41J	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALL OTHER COMPOUNDS	Varies	NA	NA	NA	<Varies	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Shaded areas represent concentrations exceeding the NC Groundwater Standards. BDL = Below Detection Limits BQL = Below Quantitation Limits
ppb = parts per billion NE = Not Established NA = Not Analyzed
* = Not sampled during this event 12/18/12
Newly amended 2L groundwater standards applied to most recent event only.

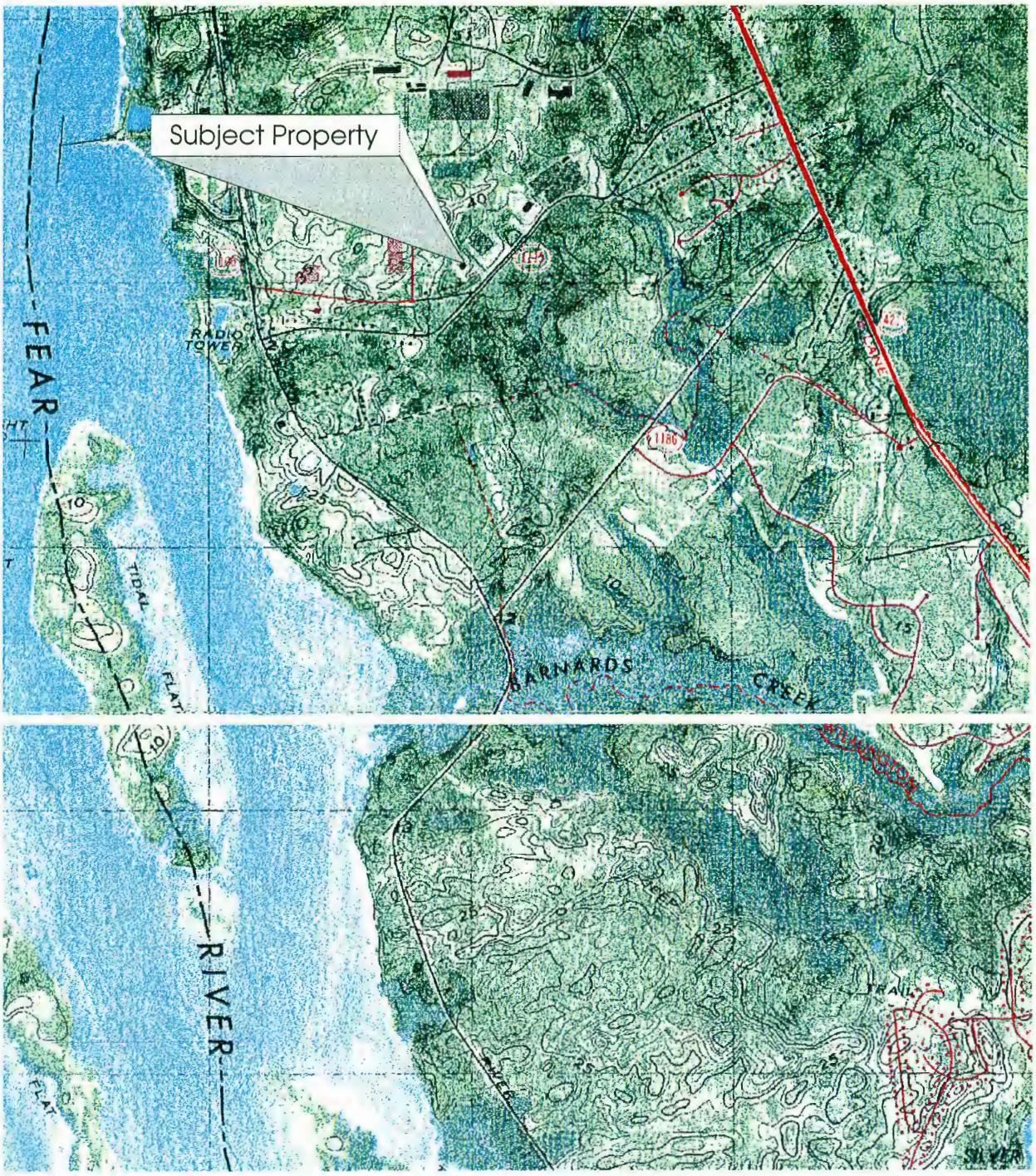
TABLE 2 (Continued)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

FORMER PAZIUK WAREHOUSE
SUNNYVALE DRIVE
WILMINGTON, NORTH CAROLINA

ANALYTE	NCAC 02L STANDARD	AMW-11D*			AMW-12S*			AMW-12D*			AMW-13D				AMW-14S*			AMW-14D*			T-1*			T-2*		
DATE SAMPLED		11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07	12/18/12	11/30/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07	3/8-9/04	5/4/05	7/05/07	11/30/04	5/4/05	7/05/07
EPA METHOD 6210D (Concentrations in ppb)																										
CHLORODIBROMOMETHANE	0.41	BDL	BQL	BQL	BDL	BQL	BQL	11.8	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	2.5	BQL	BQL	3.0	BQL	D
TOLUENE	600	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	0.80	BQL	BDL	BQL	BQL	1.2	BQL	BQL	BDL	BQL	D
XYLENES	500	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	3.1	BQL	BQL	BDL	BQL	D
ETHYLBENZENE	600	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	1.1	BQL	BQL	BDL	BQL	D
4-ISOPROPYLTOLUENE	NE	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	0.85	0.960	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
NAPHTHALENE	6	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
n-PROPYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
TETRACHLOROETHENE	0.7	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	0.850	BDL	BQL	BQL	4.7	14.8	14.3	BDL	BQL	D
1,4-DICHLOROBENZENE	6	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	18.8	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
SEC-BUTYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	1.5	0.84	1.03	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
1,2,4-TRIMETHYLBENZENE	400	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	2.1	2.02	5.49	BDL	BQL	BQL	2.0	BQL	BQL	BDL	BQL	D
1,3,5-TRIMETHYLBENZENE	400	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	1.61	BDL	BQL	BQL	1.5	BQL	BQL	BDL	BQL	D
ISOPROPYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	0.69	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
ACETONE	6,000	BDL	BQL	BQL	BDL	BQL	BQL	BDL	113.0	BQL	BDL	BQL	BQL	ND	BDL	35.4	BQL	BDL	27.0	BQL	BDL	BQL	BQL	BDL	BQL	D
TRANS-1,2-DICHLOROETHENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	0.77	BQL	3.3	0.77	BQL	29.1	BDL	BQL	BQL	BDL	BQL	BQL	13.5	BQL	4.32	BDL	BQL	D
1,1-DICHLOROETHENE	7	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	1.3	BQL	BQL	19.4	BDL	BQL	BQL	BDL	BQL	0.750	1.6	BQL	BQL	BDL	BQL	D
1,1-DICHLOROETHANE	6	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	2.1	0.77	BQL	1.9	BQL	BQL	BDL	BQL	D
CHLOROETHANE	3,000	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
VINYL CHLORIDE	0.03	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	40.2	2.8	BQL	BQL	2,810	BDL	BQL	0.650	BDL	BQL	BQL	51.0	BQL	BQL	BDL	BQL	D
CARBON DISULFIDE	700	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	3.4	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
BROMODICHLOROMETHANE	0.6	BDL	BQL	BQL	BDL	BQL	BQL	10.3	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	2.6	BQL	BQL	1.7	BQL	D
TRICHLOROETHENE	3	BDL	BQL	BQL	BDL	BQL	BQL	BDL	0.89	BQL	109500	131,000	134,000	2.16J	BDL	BQL	BQL	BDL	BQL	BQL	93.0	60.9	57.7	BDL	BQL	D
CHLOROBENZENE	50	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	2.56	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
CHLOROFORM	70	BDL	BQL	BQL	BDL	BQL	BQL	10.3	0.99	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	9.8	BQL	BQL	24.6	3.86	D
CIS-1,2-DICHLOROETHENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	32.7	136	28,000.0	51,600	71,400	7,230	2.0	0.61	0.780	7.2	3.38	1.98	179.0	82.4	99.4	21.1	4.29	D
1,2-DICHLOROBENZENE	20	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
tert-BUTYLBENZENE	70	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	0.510	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
ALL OTHER COMPOUNDS	Varies	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	ND	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	BQL	BDL	BQL	D
EPA METHOD 8270D (Concentrations in ppb)																										
1,4-DICHLOROBENZENE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.36J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALL OTHER COMPOUNDS	Varies	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Shaded areas represent concentrations exceeding the NC Groundwater Standards.
DL = Below Detection Limits
BQL = Below Quantitation Limits
ppb = parts per billion
NE = Not Established
D = Destroyed
* = Not sampled during this event 12/18/12
Newly amended 2L groundwater standards applied to most recent event only.
NA = Not Analyzed

FIGURES



Adapted from USGS Topographic
"Wilmington, N.C.," 1970, Photorevised 1979

Contour Interval = 5 Feet

N

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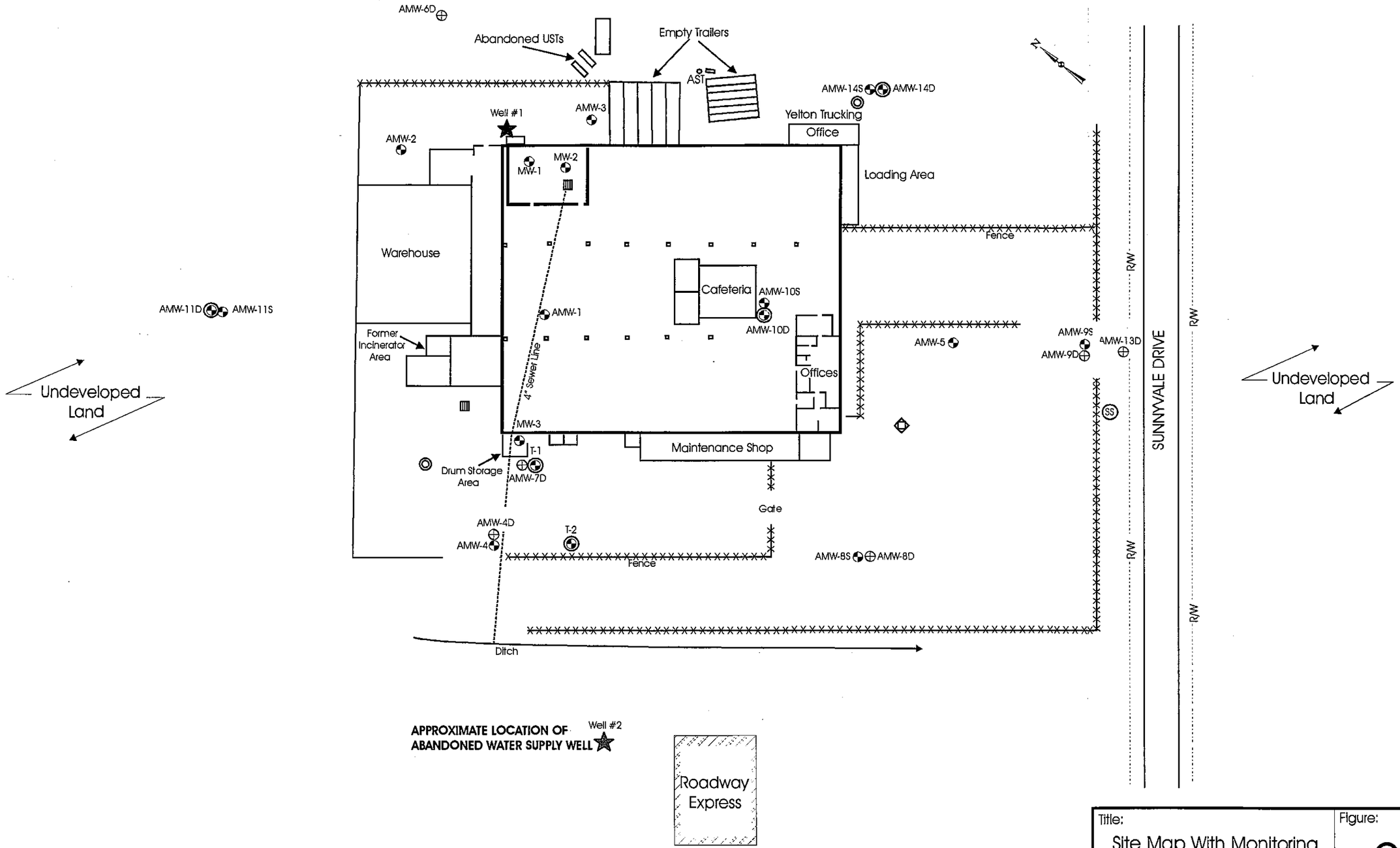
TITLE:				FIGURE:
SITE VICINITY MAP				1
JOB: 07098	SCALE: 1"=2,000'	DATE: 2/11/08	DRAWN BY: KLC	



LEGEND

- Abandoned Water Supply Well
- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well

Title:			Figure:
Site Map With Monitoring And Abandoned Water Supply Well Locations			2
Job: 0341	Drawn By: JLZ	Scale: 1"=60'	Date: 2/13/08

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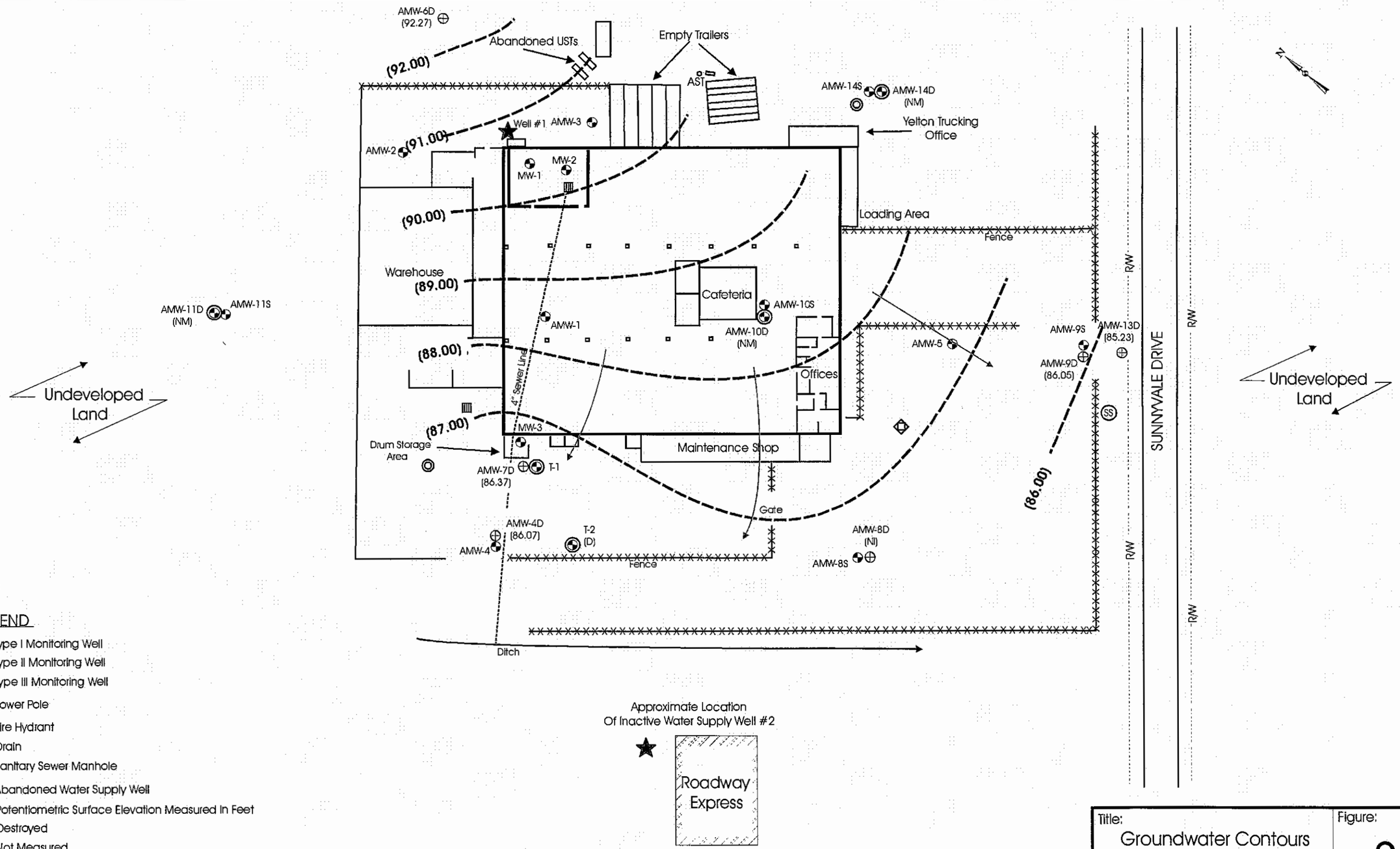

LEGEND

- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well
- Power Pole
- Fire Hydrant
- Drain
- Sanitary Sewer Manhole
- Abandoned Water Supply Well
- (89.00) Potentiometric Surface Elevation Measured In Feet
- D Destroyed
- (NM) Not Measured
- (NI) Not Included
- Groundwater Flow Direction

Note:

1. Type II wells MW-1 through MW-3 previously installed by Clark Environmental Services, P.C.
2. Contour Interval = 1'
3. Groundwater Aquifer Wells Not Included In Groundwater Table Aquifer Contours
4. AMW-8 measured and sampled on 1/23/13. Not included in contour calculations due to differing date.

Title:			Figure:
Groundwater Contours For Aquifer Zone #2 As Of 12/18/13			3
Job: 07098	Drawn By: JLZ/JAK	Scale: 1"=60'	Date: 1/25/13

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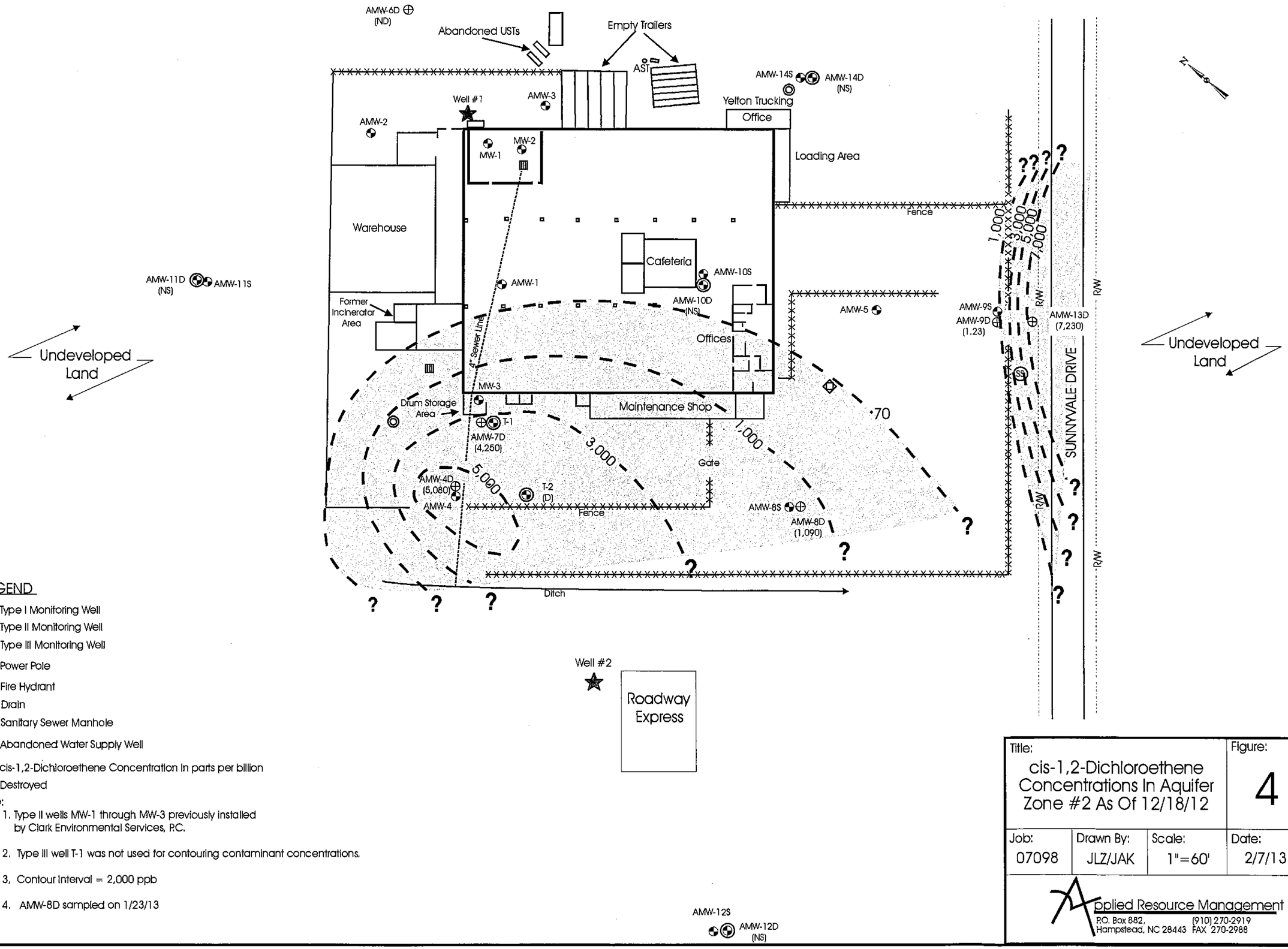

LEGEND

- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well
- Power Pole
- Fire Hydrant
- Drain
- Sanitary Sewer Manhole
- Abandoned Water Supply Well
- (70) cis-1,2-Dichloroethene Concentration in parts per billion
- (D) Destroyed

Note:

1. Type II wells MW-1 through MW-3 previously installed by Clark Environmental Services, P.C.
2. Type III well T-1 was not used for contouring contaminant concentrations.
3. Contour interval = 2,000 ppb
4. AMW-8D sampled on 1/23/13

Title:			Figure:
cis-1,2-Dichloroethene Concentrations In Aquifer Zone #2 As Of 12/18/12			4
Job: 07098	Drawn By: JLZ/JAK	Scale: 1"=60'	Date: 2/7/13

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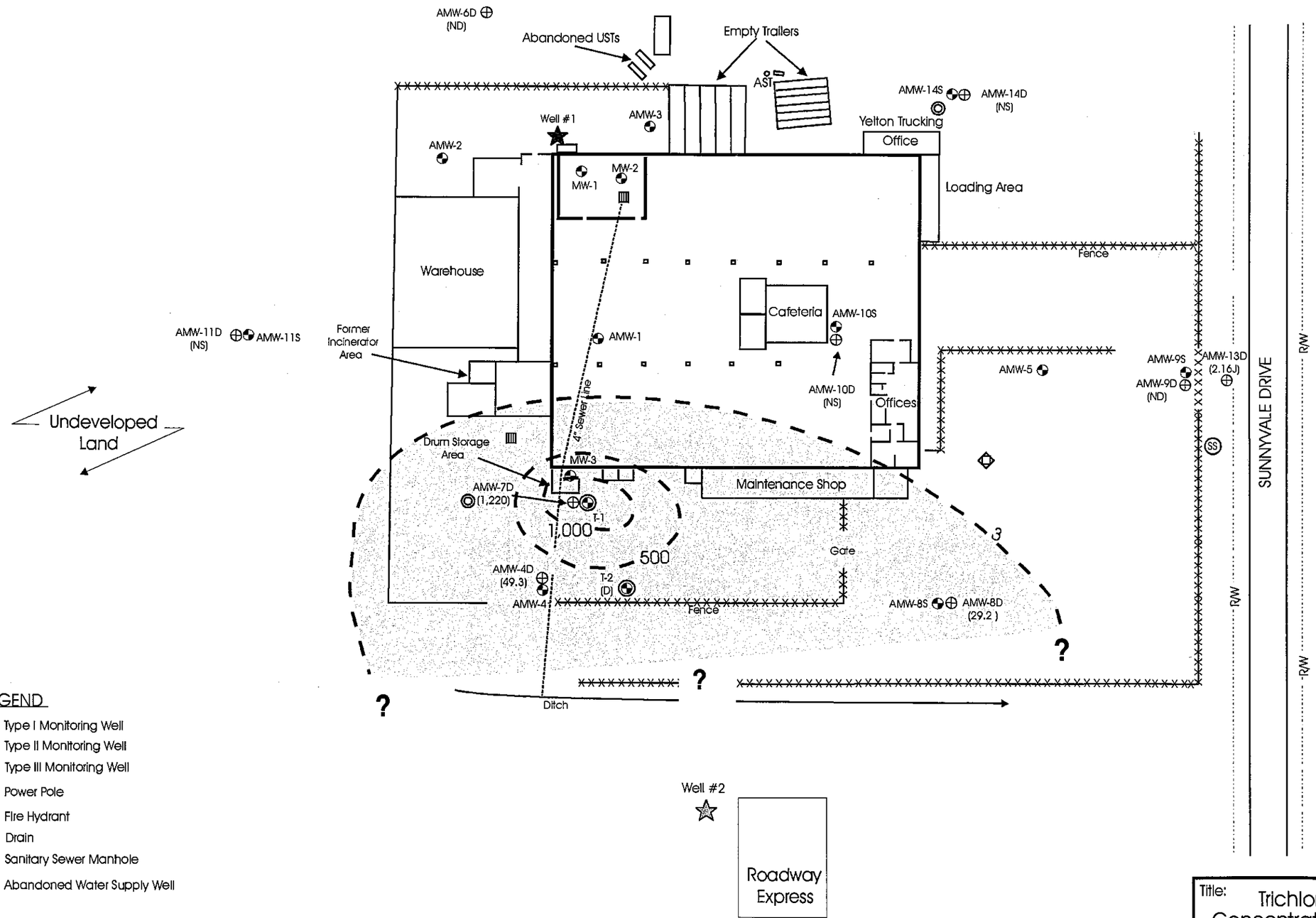

LEGEND

- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well
- Power Pole
- Fire Hydrant
- Drain
- Sanitary Sewer Manhole
- Abandoned Water Supply Well

(3) Trichloroethene Concentration in parts per billion

(D) Destroyed

Note:

1. Type II wells MW-1 through MW-3 previously installed by Clark Environmental Services, P.C.
2. Type III well T-1 was not used for contouring contaminant concentrations.
3. Contour interval = 500 ppb
4. AMW-8D sampled on 1/23/13

Title:			Figure:
Trichloroethene Concentrations in Aquifer Zone #2 As Of 12/18/12			5
Job: 07098	Drawn By: JLZ	Scale: 1"=60'	Date: 2/7/13

Applied Resource Management PC
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(910) 270-2919
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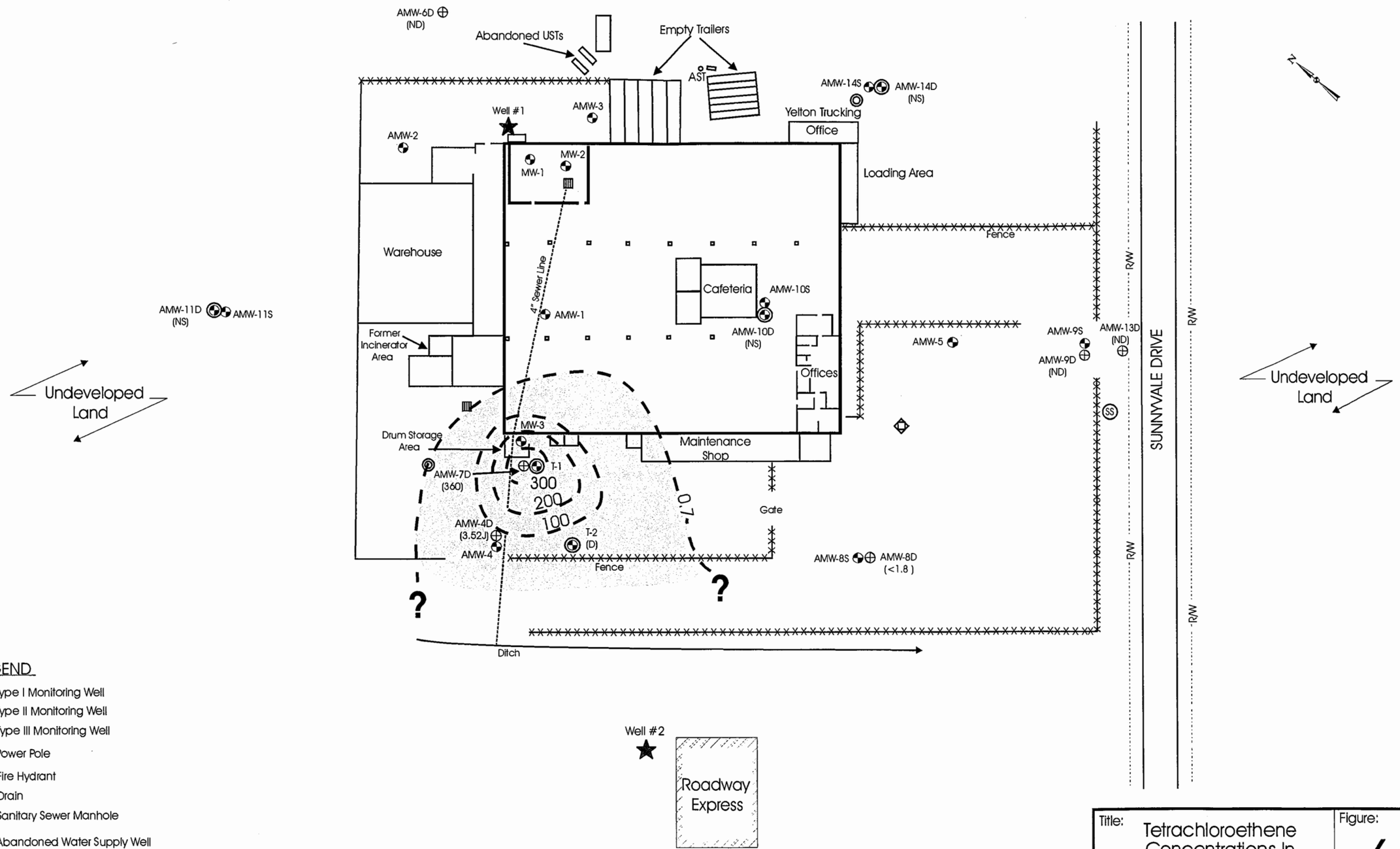

LEGEND

- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well
- Power Pole
- Fire Hydrant
- Drain
- Sanitary Sewer Manhole
- Abandoned Water Supply Well

(0.7) Tetrachloroethene Concentration in parts per billion

(D) Destroyed

Note:

1. Type II wells MW-1 through MW-3 previously installed by Clark Environmental Services, P.C.
2. Type III well T-1 was not used for contouring contaminant concentration.
3. Contour Interval = 100 ppb
4. AMW-8D sampled on 1/23/13

Title:			Figure:
Tetrachloroethene Concentrations In Aquifer Zone #2 As Of 12/18/12			6
Job: 07098	Drawn By: JLZ	Scale: 1"=60'	Date: 2/7/13

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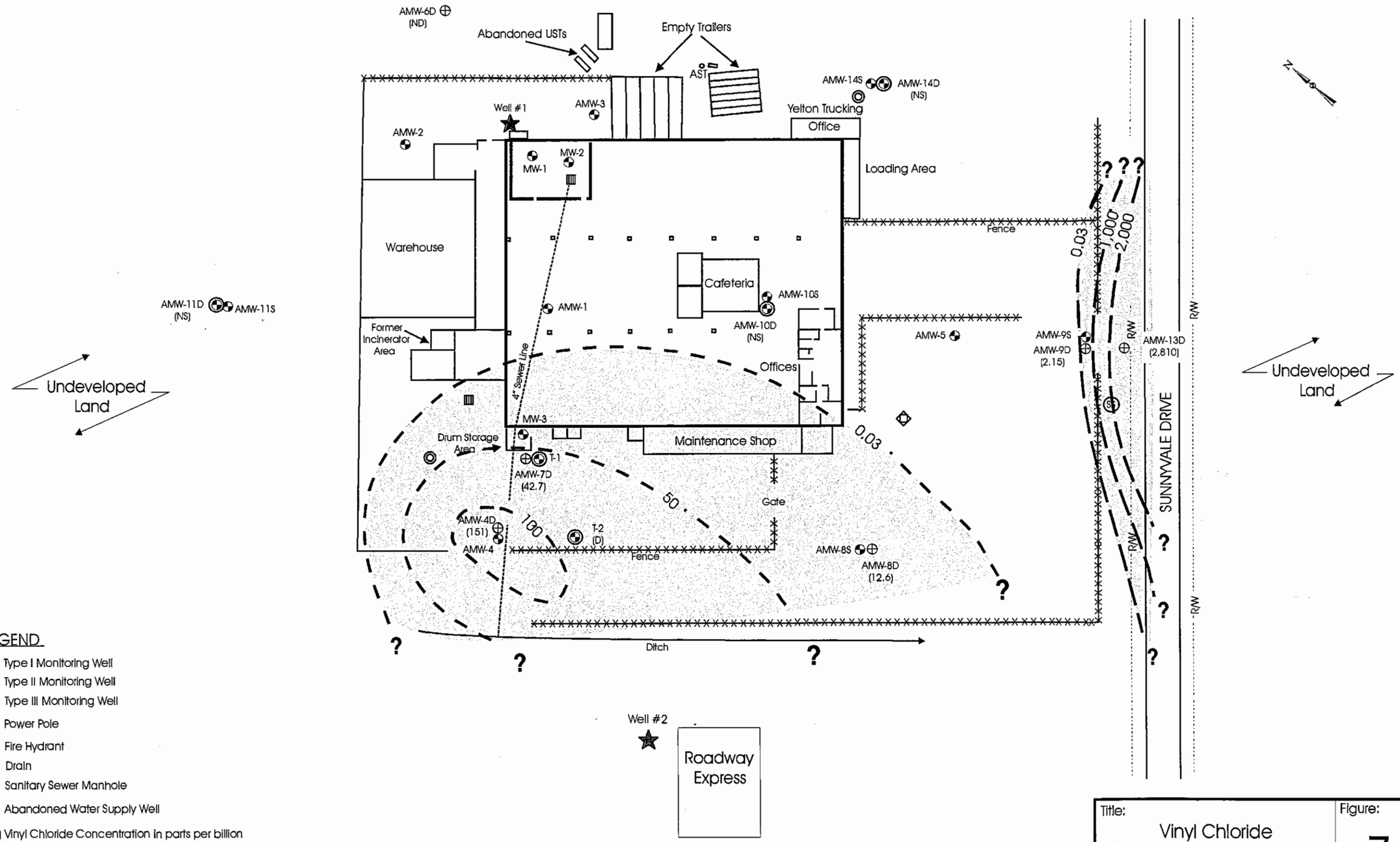

LEGEND

- Type I Monitoring Well
- Type II Monitoring Well
- Type III Monitoring Well
- Power Pole
- Fire Hydrant
- Drain
- Sanitary Sewer Manhole
- Abandoned Water Supply Well

(0.03) Vinyl Chloride Concentration in parts per billion

(D) Destroyed

Note:

1. Type II wells MW-1 through MW-3 previously installed by Clark Environmental Services, P.C.
2. Type III well T-1 was not used for contouring contaminant concentrations.
3. Contour Interval = 50 ppb

   Contour Interval between AMW-9D and AMW-13D = 1,000
4. AMW-8D sampled on 1/23/13

Title:			Figure:
Vinyl Chloride Concentrations In Aquifer Zone #2 As Of 12/18/12			7
Job: 07098	Drawn By: JLZ/JAK	Scale: 1"=60'	Date: 2/7/13

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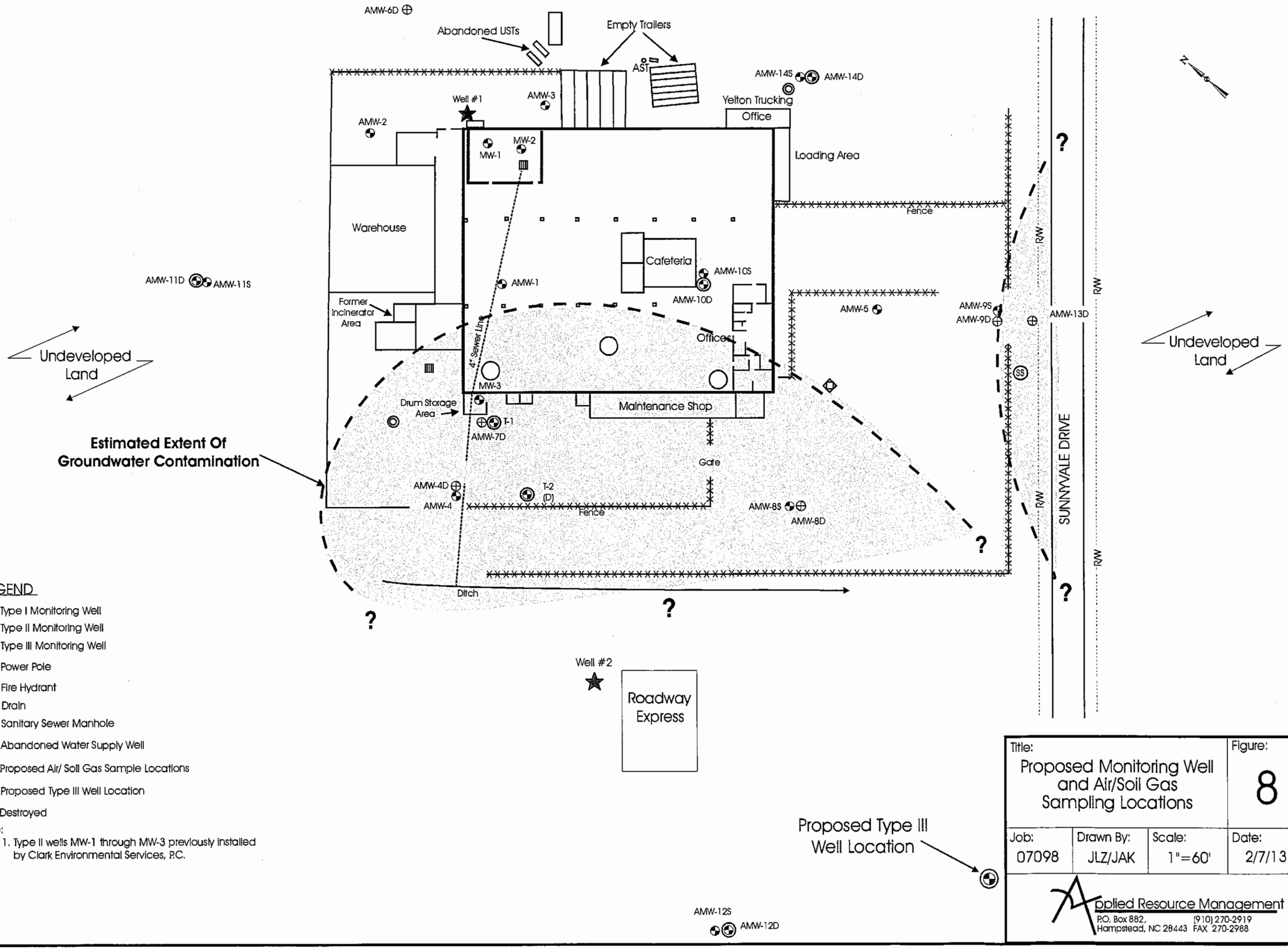

Title:			Figure:
Proposed Monitoring Well and Air/Soil Gas Sampling Locations			8
Job: 07098	Drawn By: JLZ/JAK	Scale: 1"=60'	Date: 2/7/13

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APPENDIX A

SGS ANALYTICAL PERSPECTIVES

Laboratory Report of Analysis

To: Joe Zuncich
APPLIED RESOURCE MANAGEMENT
P.O. Box 882
Hampstead, NC 28443

Report Number: **31204038**

Client Project: **Former Pazivk Warehouse**

Dear Joe Zuncich,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Michael D. Page at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Digitally signed by: Michael Page
Date: 2013.01.03 12:13:43 -05'00'

Michael D. Page
Project Manager
michael.page@sgs.com

Date

Print Date: 01/03/2013

N.C. Certification # 481

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SGS ANALYTICAL PERSPECTIVES

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Estimated Concentration.
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMPC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
AMW-4D	31204038001	12/18/2012 12:32	12/19/2012 09:10	Water
AMW-6D	31204038002	12/18/2012 14:02	12/19/2012 09:10	Water
AMW-7D	31204038003	12/18/2012 11:40	12/19/2012 09:10	Water
AMW-8D	31204038004	12/18/2012 10:50	12/19/2012 09:10	Water
AMW-9D	31204038005	12/18/2012 15:25	12/19/2012 09:10	Water
AMW-13D	31204038006	12/18/2012 16:32	12/19/2012 09:10	Water
Trip Blank (not on COC)	31204038007	12/18/2012 00:00	12/19/2012 09:10	Water

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-4D**

Client Sample ID: **AMW-4D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038001-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 12:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	2.84	8.00	ug/L	8	12/21/2012 19:44
1,1,1-Trichloroethane	ND	U	1.64	8.00	ug/L	8	12/21/2012 19:44
1,1,2,2-Tetrachloroethane	ND	U	2.31	8.00	ug/L	8	12/21/2012 19:44
1,1,2-Trichloroethane	ND	U	2.36	8.00	ug/L	8	12/21/2012 19:44
1,1-Dichloroethane	ND	U	1.72	8.00	ug/L	8	12/21/2012 19:44
1,1-Dichloroethene	**9.28**		2.30	8.00	ug/L	8	12/21/2012 19:44
1,1-Dichloropropene	ND	U	1.62	8.00	ug/L	8	12/21/2012 19:44
1,2,3-Trichlorobenzene	ND	U	2.86	8.00	ug/L	8	12/21/2012 19:44
1,2,3-Trichloropropane	ND	U	3.37	8.00	ug/L	8	12/21/2012 19:44
1,2,4-Trichlorobenzene	ND	U	1.62	8.00	ug/L	8	12/21/2012 19:44
1,2,4-Trimethylbenzene	ND	U	2.45	8.00	ug/L	8	12/21/2012 19:44
1,2-Dibromo-3-chloropropane	ND	U	15.0	40.0	ug/L	8	12/21/2012 19:44
1,2-Dibromoethane	ND	U	2.75	8.00	ug/L	8	12/21/2012 19:44
1,2-Dichlorobenzene	ND	U	2.38	8.00	ug/L	8	12/21/2012 19:44
1,2-Dichloroethane	ND	U	2.37	8.00	ug/L	8	12/21/2012 19:44
1,2-Dichloropropane	ND	U	1.29	8.00	ug/L	8	12/21/2012 19:44
1,3,5-Trimethylbenzene	ND	U	2.20	8.00	ug/L	8	12/21/2012 19:44
1,3-Dichlorobenzene	ND	U	2.59	8.00	ug/L	8	12/21/2012 19:44
1,3-Dichloropropane	ND	U	2.56	8.00	ug/L	8	12/21/2012 19:44
1,4-Dichlorobenzene	ND	U	3.70	8.00	ug/L	8	12/21/2012 19:44
2,2-Dichloropropane	ND	U	1.91	8.00	ug/L	8	12/21/2012 19:44
2-Butanone	ND	U	12.2	200	ug/L	8	12/21/2012 19:44
2-Chlorotoluene	ND	U	2.39	8.00	ug/L	8	12/21/2012 19:44
2-Hexanone	ND	U	9.92	40.0	ug/L	8	12/21/2012 19:44
4-Chlorotoluene	ND	U	3.37	8.00	ug/L	8	12/21/2012 19:44
4-Isopropyltoluene	ND	U	1.62	8.00	ug/L	8	12/21/2012 19:44
4-Methyl-2-pentanone	ND	U	10.2	40.0	ug/L	8	12/21/2012 19:44
Acetone	ND	U	11.3	200	ug/L	8	12/21/2012 19:44
Benzene	ND	U	1.25	8.00	ug/L	8	12/21/2012 19:44
Bromobenzene	ND	U	2.34	8.00	ug/L	8	12/21/2012 19:44
Bromochloromethane	ND	U	1.75	8.00	ug/L	8	12/21/2012 19:44
Bromodichloromethane	ND	U	2.91	8.00	ug/L	8	12/21/2012 19:44
Bromoform	ND	U	3.97	8.00	ug/L	8	12/21/2012 19:44
Bromomethane	ND	U	1.34	8.00	ug/L	8	12/21/2012 19:44
n-Butylbenzene	ND	U	1.46	8.00	ug/L	8	12/21/2012 19:44
Carbon disulfide	ND	U	0.872	8.00	ug/L	8	12/21/2012 19:44
Carbon tetrachloride	ND	U	2.16	8.00	ug/L	8	12/21/2012 19:44
Chlorobenzene	ND	U	2.15	8.00	ug/L	8	12/21/2012 19:44
Chloroethane	ND	U	1.72	8.00	ug/L	8	12/21/2012 19:44
Chloroform	ND	U	1.47	8.00	ug/L	8	12/21/2012 19:44
Chloromethane	ND	U	1.06	8.00	ug/L	8	12/21/2012 19:44
Dibromochloromethane	ND	U	3.06	8.00	ug/L	8	12/21/2012 19:44
Dibromomethane	ND	U	3.09	8.00	ug/L	8	12/21/2012 19:44

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-4D**

Client Sample ID: **AMW-4D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038001-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 12:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	1.28	40.0	ug/L	8	12/21/2012 19:44
cis-1,3-Dichloropropene	ND	U	2.15	8.00	ug/L	8	12/21/2012 19:44
trans-1,3-Dichloropropene	ND	U	2.10	8.00	ug/L	8	12/21/2012 19:44
Diisopropyl Ether	ND	U	1.67	8.00	ug/L	8	12/21/2012 19:44
Ethyl Benzene	ND	U	2.01	8.00	ug/L	8	12/21/2012 19:44
Hexachlorobutadiene	ND	U	2.19	8.00	ug/L	8	12/21/2012 19:44
Isopropylbenzene (Cumene)	ND	U	2.29	8.00	ug/L	8	12/21/2012 19:44
Methyl iodide	ND	U	1.18	8.00	ug/L	8	12/21/2012 19:44
Methylene chloride	ND	U	1.29	40.0	ug/L	8	12/21/2012 19:44
Naphthalene	ND	U	1.74	8.00	ug/L	8	12/21/2012 19:44
Styrene	ND	U	1.79	8.00	ug/L	8	12/21/2012 19:44
Tetrachloroethene	**3.52**	J	2.11	8.00	ug/L	8	12/21/2012 19:44
Toluene	ND	U	1.56	8.00	ug/L	8	12/21/2012 19:44
Trichloroethene	**49.3**		1.82	8.00	ug/L	8	12/21/2012 19:44
Trichlorofluoromethane	ND	U	1.11	8.00	ug/L	8	12/21/2012 19:44
Vinyl chloride	**151**		1.51	8.00	ug/L	8	12/21/2012 19:44
Xylene (total)	ND	U	2.38	16.0	ug/L	8	12/21/2012 19:44
cis-1,2-Dichloroethene	**5080**		120	400	ug/L	400	12/20/2012 19:25
m,p-Xylene	ND	U	2.24	16.0	ug/L	8	12/21/2012 19:44
n-Propylbenzene	ND	U	2.38	8.00	ug/L	8	12/21/2012 19:44
o-Xylene	ND	U	2.38	8.00	ug/L	8	12/21/2012 19:44
sec-Butylbenzene	ND	U	1.93	8.00	ug/L	8	12/21/2012 19:44
tert-Butyl methyl ether (MTBE)	ND	U	1.60	8.00	ug/L	8	12/21/2012 19:44
tert-Butylbenzene	ND	U	2.34	8.00	ug/L	8	12/21/2012 19:44
trans-1,2-Dichloroethene	**64.2**		1.70	8.00	ug/L	8	12/21/2012 19:44
trans-1,4-Dichloro-2-butene	ND	U	18.9	40.0	ug/L	8	12/21/2012 19:44
Surrogates							
1,2-Dichloroethane-d4	105			64.0-140	%	8	12/21/2012 19:44
4-Bromofluorobenzene	98.0			85.0-115	%	8	12/21/2012 19:44
Toluene d8	102			82.0-117	%	8	12/21/2012 19:44

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-4D**

Client Sample ID: **AMW-4D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038001-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 12:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed

Batch Information

Analytical Batch: **VMS2790**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4452**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/20/2012 08:25**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Analytical Batch: **VMS2793**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4458**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/21/2012 08:34**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-4D**

Client Sample ID: **AMW-4D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038001-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 12:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.73	4.99	ug/L	1	12/20/2012 20:34
1,2-Dichlorobenzene	ND	U	1.71	4.99	ug/L	1	12/20/2012 20:34
1,3-Dichlorobenzene	ND	U	1.65	4.99	ug/L	1	12/20/2012 20:34
1,4-Dichlorobenzene	ND	U	1.63	4.99	ug/L	1	12/20/2012 20:34
2,4-Dinitrotoluene	ND	U	1.84	4.99	ug/L	1	12/20/2012 20:34
2,6-Dinitrotoluene	ND	U	1.88	4.99	ug/L	1	12/20/2012 20:34
2-Chloronaphthalene	ND	U	2.00	4.99	ug/L	1	12/20/2012 20:34
2-Methylnaphthalene	ND	U	1.94	4.99	ug/L	1	12/20/2012 20:34
2-Nitroaniline	ND	U	1.69	4.99	ug/L	1	12/20/2012 20:34
3,3'-Dichlorobenzidine	ND	U	1.75	9.98	ug/L	1	12/20/2012 20:34
3-Nitroaniline	ND	U	1.65	25.0	ug/L	1	12/20/2012 20:34
4-Chloroaniline	ND	U	1.88	25.0	ug/L	1	12/20/2012 20:34
4-Chlorophenyl phenyl ether	ND	U	2.46	4.99	ug/L	1	12/20/2012 20:34
Acenaphthene	ND	U	2.06	4.99	ug/L	1	12/20/2012 20:34
Acenaphthylene	ND	U	2.00	4.99	ug/L	1	12/20/2012 20:34
Anthracene	ND	U	1.93	4.99	ug/L	1	12/20/2012 20:34
Benzo(a)anthracene	ND	U	1.96	4.99	ug/L	1	12/20/2012 20:34
Benzo(a)pyrene	ND	U	1.86	4.99	ug/L	1	12/20/2012 20:34
Benzo(b)fluoranthene	ND	U	1.96	4.99	ug/L	1	12/20/2012 20:34
Benzo(g,h,i)perylene	ND	U	2.15	4.99	ug/L	1	12/20/2012 20:34
Benzo(k)fluoranthene	ND	U	2.31	4.99	ug/L	1	12/20/2012 20:34
Bis(2-Chloroethoxy)methane	ND	U	2.12	4.99	ug/L	1	12/20/2012 20:34
Bis(2-Chloroethyl)ether	ND	U	2.21	4.99	ug/L	1	12/20/2012 20:34
Bis(2-Chloroisopropyl)ether	ND	U	2.04	4.99	ug/L	1	12/20/2012 20:34
Bis(2-Ethylhexyl)phthalate	**6.44**		1.95	4.99	ug/L	1	12/20/2012 20:34
4-Bromophenyl phenyl ether	ND	U	2.04	4.99	ug/L	1	12/20/2012 20:34
Butyl benzyl phthalate	ND	U	1.89	4.99	ug/L	1	12/20/2012 20:34
Chrysene	ND	U	2.20	4.99	ug/L	1	12/20/2012 20:34
Di-n-butyl phthalate	ND	U	1.91	4.99	ug/L	1	12/20/2012 20:34
Di-n-octyl phthalate	ND	U	1.46	4.99	ug/L	1	12/20/2012 20:34
Dibenz(a,h)anthracene	ND	U	2.02	4.99	ug/L	1	12/20/2012 20:34
Dibenzofuran	ND	U	2.22	4.99	ug/L	1	12/20/2012 20:34
Diethyl phthalate	ND	U	2.10	4.99	ug/L	1	12/20/2012 20:34
Dimethyl phthalate	ND	U	2.14	4.99	ug/L	1	12/20/2012 20:34
Diphenylamine	ND	U	2.02	4.99	ug/L	1	12/20/2012 20:34
Fluoranthene	ND	U	2.02	4.99	ug/L	1	12/20/2012 20:34
Fluorene	ND	U	2.44	4.99	ug/L	1	12/20/2012 20:34
Hexachlorobenzene	ND	U	1.93	4.99	ug/L	1	12/20/2012 20:34
Hexachlorobutadiene	ND	U	1.52	4.99	ug/L	1	12/20/2012 20:34
Hexachlorocyclopentadiene	ND	U	0.786	9.98	ug/L	1	12/20/2012 20:34
Hexachloroethane	ND	U	1.40	4.99	ug/L	1	12/20/2012 20:34
Indeno(1,2,3-cd)pyrene	ND	U	2.02	4.99	ug/L	1	12/20/2012 20:34
Isophorone	ND	U	2.09	4.99	ug/L	1	12/20/2012 20:34

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-4D**

Client Sample ID: **AMW-4D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038001-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 12:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	ND	U	1.94	4.99	ug/L	1	12/20/2012 20:34
4-Nitroaniline	ND	U	1.68	25.0	ug/L	1	12/20/2012 20:34
Nitrobenzene	ND	U	2.19	4.99	ug/L	1	12/20/2012 20:34
Phenanthrene	ND	U	1.99	4.99	ug/L	1	12/20/2012 20:34
Pyrene	ND	U	2.01	4.99	ug/L	1	12/20/2012 20:34
n-Nitrosodi-n-propylamine	ND	U	2.23	4.99	ug/L	1	12/20/2012 20:34
Surrogates							
2,4,6-Tribromophenol	91.0			29.3-152	%	1	12/20/2012 20:34
2-Fluorobiphenyl	84.0			50.0-107	%	1	12/20/2012 20:34
2-Fluorophenol	80.0			33.1-118	%	1	12/20/2012 20:34
Nitrobenzene-d5	81.0			46.0-118	%	1	12/20/2012 20:34
Phenol-d6	87.0			49.0-120	%	1	12/20/2012 20:34
Terphenyl-d14	82.0			22.1-142	%	1	12/20/2012 20:34

Batch Information

Analytical Batch: **XMS1777**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **1002 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-6D**

Client Sample ID: **AMW-6D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038002-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 14:02
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.355	1.00	ug/L	1	12/21/2012 16:52
1,1,1-Trichloroethane	ND	U	0.205	1.00	ug/L	1	12/21/2012 16:52
1,1,2,2-Tetrachloroethane	ND	U	0.289	1.00	ug/L	1	12/21/2012 16:52
1,1,2-Trichloroethane	ND	U	0.295	1.00	ug/L	1	12/21/2012 16:52
1,1-Dichloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 16:52
1,1-Dichloroethene	ND	U	0.288	1.00	ug/L	1	12/21/2012 16:52
1,1-Dichloropropene	ND	U	0.203	1.00	ug/L	1	12/21/2012 16:52
1,2,3-Trichlorobenzene	ND	U	0.358	1.00	ug/L	1	12/21/2012 16:52
1,2,3-Trichloropropane	ND	U	0.421	1.00	ug/L	1	12/21/2012 16:52
1,2,4-Trichlorobenzene	ND	U	0.202	1.00	ug/L	1	12/21/2012 16:52
1,2,4-Trimethylbenzene	ND	U	0.306	1.00	ug/L	1	12/21/2012 16:52
1,2-Dibromo-3-chloropropane	ND	U	1.88	5.00	ug/L	1	12/21/2012 16:52
1,2-Dibromoethane	ND	U	0.344	1.00	ug/L	1	12/21/2012 16:52
1,2-Dichlorobenzene	ND	U	0.298	1.00	ug/L	1	12/21/2012 16:52
1,2-Dichloroethane	ND	U	0.296	1.00	ug/L	1	12/21/2012 16:52
1,2-Dichloropropane	ND	U	0.161	1.00	ug/L	1	12/21/2012 16:52
1,3,5-Trimethylbenzene	ND	U	0.275	1.00	ug/L	1	12/21/2012 16:52
1,3-Dichlorobenzene	ND	U	0.324	1.00	ug/L	1	12/21/2012 16:52
1,3-Dichloropropane	ND	U	0.320	1.00	ug/L	1	12/21/2012 16:52
1,4-Dichlorobenzene	ND	U	0.463	1.00	ug/L	1	12/21/2012 16:52
2,2-Dichloropropane	ND	U	0.239	1.00	ug/L	1	12/21/2012 16:52
2-Butanone	ND	U	1.53	25.0	ug/L	1	12/21/2012 16:52
2-Chlorotoluene	ND	U	0.299	1.00	ug/L	1	12/21/2012 16:52
2-Hexanone	ND	U	1.24	5.00	ug/L	1	12/21/2012 16:52
4-Chlorotoluene	ND	U	0.421	1.00	ug/L	1	12/21/2012 16:52
4-Isopropyltoluene	ND	U	0.203	1.00	ug/L	1	12/21/2012 16:52
4-Methyl-2-pentanone	ND	U	1.28	5.00	ug/L	1	12/21/2012 16:52
Acetone	ND	U	1.41	25.0	ug/L	1	12/21/2012 16:52
Benzene	ND	U	0.156	1.00	ug/L	1	12/21/2012 16:52
Bromobenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 16:52
Bromochloromethane	ND	U	0.219	1.00	ug/L	1	12/21/2012 16:52
Bromodichloromethane	ND	U	0.364	1.00	ug/L	1	12/21/2012 16:52
Bromoform	ND	U	0.496	1.00	ug/L	1	12/21/2012 16:52
Bromomethane	ND	U	0.168	1.00	ug/L	1	12/21/2012 16:52
n-Butylbenzene	ND	U	0.183	1.00	ug/L	1	12/21/2012 16:52
Carbon disulfide	ND	U	0.109	1.00	ug/L	1	12/21/2012 16:52
Carbon tetrachloride	ND	U	0.270	1.00	ug/L	1	12/21/2012 16:52
Chlorobenzene	ND	U	0.269	1.00	ug/L	1	12/21/2012 16:52
Chloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 16:52
Chloroform	ND	U	0.184	1.00	ug/L	1	12/21/2012 16:52
Chloromethane	ND	U	0.132	1.00	ug/L	1	12/21/2012 16:52
Dibromochloromethane	ND	U	0.383	1.00	ug/L	1	12/21/2012 16:52
Dibromomethane	ND	U	0.386	1.00	ug/L	1	12/21/2012 16:52

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-6D**

Client Sample ID: **AMW-6D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038002-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 14:02
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.160	5.00	ug/L	1	12/21/2012 16:52
cis-1,3-Dichloropropene	ND	U	0.269	1.00	ug/L	1	12/21/2012 16:52
trans-1,3-Dichloropropene	ND	U	0.262	1.00	ug/L	1	12/21/2012 16:52
Diisopropyl Ether	ND	U	0.209	1.00	ug/L	1	12/21/2012 16:52
Ethyl Benzene	ND	U	0.251	1.00	ug/L	1	12/21/2012 16:52
Hexachlorobutadiene	ND	U	0.274	1.00	ug/L	1	12/21/2012 16:52
Isopropylbenzene (Cumene)	ND	U	0.286	1.00	ug/L	1	12/21/2012 16:52
Methyl iodide	ND	U	0.148	1.00	ug/L	1	12/21/2012 16:52
Methylene chloride	ND	U	0.161	5.00	ug/L	1	12/21/2012 16:52
Naphthalene	ND	U	0.217	1.00	ug/L	1	12/21/2012 16:52
Styrene	ND	U	0.224	1.00	ug/L	1	12/21/2012 16:52
Tetrachloroethene	ND	U	0.264	1.00	ug/L	1	12/21/2012 16:52
Toluene	ND	U	0.195	1.00	ug/L	1	12/21/2012 16:52
Trichloroethene	ND	U	0.227	1.00	ug/L	1	12/21/2012 16:52
Trichlorofluoromethane	ND	U	0.139	1.00	ug/L	1	12/21/2012 16:52
Vinyl chloride	ND	U	0.189	1.00	ug/L	1	12/21/2012 16:52
Xylene (total)	ND	U	0.298	2.00	ug/L	1	12/21/2012 16:52
cis-1,2-Dichloroethene	ND	U	0.299	1.00	ug/L	1	12/21/2012 16:52
m,p-Xylene	ND	U	0.280	2.00	ug/L	1	12/21/2012 16:52
n-Propylbenzene	ND	U	0.297	1.00	ug/L	1	12/21/2012 16:52
o-Xylene	ND	U	0.298	1.00	ug/L	1	12/21/2012 16:52
sec-Butylbenzene	ND	U	0.241	1.00	ug/L	1	12/21/2012 16:52
tert-Butyl methyl ether (MTBE)	ND	U	0.200	1.00	ug/L	1	12/21/2012 16:52
tert-Butylbenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 16:52
trans-1,2-Dichloroethene	ND	U	0.213	1.00	ug/L	1	12/21/2012 16:52
trans-1,4-Dichloro-2-butene	ND	U	2.36	5.00	ug/L	1	12/21/2012 16:52
Surrogates							
1,2-Dichloroethane-d4	108			64.0-140	%	1	12/21/2012 16:52
4-Bromofluorobenzene	103			85.0-115	%	1	12/21/2012 16:52
Toluene d8	107			82.0-117	%	1	12/21/2012 16:52

Batch Information

Analytical Batch: **VMS2793**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4458**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/21/2012 08:34**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-6D**

Client Sample ID: **AMW-6D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038002-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 14:02
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.74	5.04	ug/L	1	12/20/2012 20:58
1,2-Dichlorobenzene	ND	U	1.72	5.04	ug/L	1	12/20/2012 20:58
1,3-Dichlorobenzene	ND	U	1.66	5.04	ug/L	1	12/20/2012 20:58
1,4-Dichlorobenzene	ND	U	1.64	5.04	ug/L	1	12/20/2012 20:58
2,4-Dinitrotoluene	ND	U	1.85	5.04	ug/L	1	12/20/2012 20:58
2,6-Dinitrotoluene	ND	U	1.90	5.04	ug/L	1	12/20/2012 20:58
2-Chloronaphthalene	ND	U	2.02	5.04	ug/L	1	12/20/2012 20:58
2-Methylnaphthalene	ND	U	1.96	5.04	ug/L	1	12/20/2012 20:58
2-Nitroaniline	ND	U	1.70	5.04	ug/L	1	12/20/2012 20:58
3,3'-Dichlorobenzidine	ND	U	1.76	10.1	ug/L	1	12/20/2012 20:58
3-Nitroaniline	ND	U	1.66	25.2	ug/L	1	12/20/2012 20:58
4-Chloroaniline	ND	U	1.90	25.2	ug/L	1	12/20/2012 20:58
4-Chlorophenyl phenyl ether	ND	U	2.48	5.04	ug/L	1	12/20/2012 20:58
Acenaphthene	ND	U	2.08	5.04	ug/L	1	12/20/2012 20:58
Acenaphthylene	ND	U	2.02	5.04	ug/L	1	12/20/2012 20:58
Anthracene	ND	U	1.95	5.04	ug/L	1	12/20/2012 20:58
Benzo(a)anthracene	ND	U	1.98	5.04	ug/L	1	12/20/2012 20:58
Benzo(a)pyrene	ND	U	1.88	5.04	ug/L	1	12/20/2012 20:58
Benzo(b)fluoranthene	ND	U	1.98	5.04	ug/L	1	12/20/2012 20:58
Benzo(g,h,i)perylene	ND	U	2.17	5.04	ug/L	1	12/20/2012 20:58
Benzo(k)fluoranthene	ND	U	2.33	5.04	ug/L	1	12/20/2012 20:58
Bis(2-Chloroethoxy)methane	ND	U	2.14	5.04	ug/L	1	12/20/2012 20:58
Bis(2-Chloroethyl)ether	ND	U	2.23	5.04	ug/L	1	12/20/2012 20:58
Bis(2-Chloroisopropyl)ether	ND	U	2.06	5.04	ug/L	1	12/20/2012 20:58
Bis(2-Ethylhexyl)phthalate	ND	U	1.97	5.04	ug/L	1	12/20/2012 20:58
4-Bromophenyl phenyl ether	ND	U	2.06	5.04	ug/L	1	12/20/2012 20:58
Butyl benzyl phthalate	ND	U	1.91	5.04	ug/L	1	12/20/2012 20:58
Chrysene	ND	U	2.22	5.04	ug/L	1	12/20/2012 20:58
Di-n-butyl phthalate	ND	U	1.93	5.04	ug/L	1	12/20/2012 20:58
Di-n-octyl phthalate	ND	U	1.47	5.04	ug/L	1	12/20/2012 20:58
Dibenz(a,h)anthracene	ND	U	2.04	5.04	ug/L	1	12/20/2012 20:58
Dibenzofuran	ND	U	2.24	5.04	ug/L	1	12/20/2012 20:58
Diethyl phthalate	ND	U	2.12	5.04	ug/L	1	12/20/2012 20:58
Dimethyl phthalate	ND	U	2.16	5.04	ug/L	1	12/20/2012 20:58
Diphenylamine	ND	U	2.04	5.04	ug/L	1	12/20/2012 20:58
Fluoranthene	ND	U	2.04	5.04	ug/L	1	12/20/2012 20:58
Fluorene	ND	U	2.46	5.04	ug/L	1	12/20/2012 20:58
Hexachlorobenzene	ND	U	1.95	5.04	ug/L	1	12/20/2012 20:58
Hexachlorobutadiene	ND	U	1.53	5.04	ug/L	1	12/20/2012 20:58
Hexachlorocyclopentadiene	ND	U	0.794	10.1	ug/L	1	12/20/2012 20:58
Hexachloroethane	ND	U	1.41	5.04	ug/L	1	12/20/2012 20:58
Indeno(1,2,3-cd)pyrene	ND	U	2.04	5.04	ug/L	1	12/20/2012 20:58
Isophorone	ND	U	2.11	5.04	ug/L	1	12/20/2012 20:58

Print Date: 01/03/2013

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Results of AMW-6D

Client Sample ID: **AMW-6D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038002-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 14:02
Received Date: 12/19/2012 09:10
Matrix: Water

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	ND	U	1.96	5.04	ug/L	1	12/20/2012 20:58
4-Nitroaniline	ND	U	1.69	25.2	ug/L	1	12/20/2012 20:58
Nitrobenzene	ND	U	2.21	5.04	ug/L	1	12/20/2012 20:58
Phenanthrene	ND	U	2.01	5.04	ug/L	1	12/20/2012 20:58
Pyrene	ND	U	2.03	5.04	ug/L	1	12/20/2012 20:58
n-Nitrosodi-n-propylamine	ND	U	2.25	5.04	ug/L	1	12/20/2012 20:58
Surrogates							
2,4,6-Tribromophenol	95.0			29.3-152	%	1	12/20/2012 20:58
2-Fluorobiphenyl	88.0			50.0-107	%	1	12/20/2012 20:58
2-Fluorophenol	89.0			33.1-118	%	1	12/20/2012 20:58
Nitrobenzene-d5	88.0			46.0-118	%	1	12/20/2012 20:58
Phenol-d6	94.0			49.0-120	%	1	12/20/2012 20:58
Terphenyl-d14	90.0			22.1-142	%	1	12/20/2012 20:58

Batch Information

Analytical Batch: **XMS1777**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **992 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

N.C. Certification # 461

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-7D**

Client Sample ID: **AMW-7D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038003-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 11:40
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	1.42	4.00	ug/L	4	12/24/2012 18:56
1,1,1-Trichloroethane	ND	U	0.820	4.00	ug/L	4	12/24/2012 18:56
1,1,2,2-Tetrachloroethane	ND	U	1.16	4.00	ug/L	4	12/24/2012 18:56
1,1,2-Trichloroethane	ND	U	1.18	4.00	ug/L	4	12/24/2012 18:56
1,1-Dichloroethane	**3.44**	J	0.860	4.00	ug/L	4	12/24/2012 18:56
1,1-Dichloroethene	**18.1**		1.15	4.00	ug/L	4	12/24/2012 18:56
1,1-Dichloropropene	ND	U	0.812	4.00	ug/L	4	12/24/2012 18:56
1,2,3-Trichlorobenzene	ND	U	1.43	4.00	ug/L	4	12/24/2012 18:56
1,2,3-Trichloropropane	ND	U	1.68	4.00	ug/L	4	12/24/2012 18:56
1,2,4-Trichlorobenzene	ND	U	0.808	4.00	ug/L	4	12/24/2012 18:56
1,2,4-Trimethylbenzene	ND	U	1.22	4.00	ug/L	4	12/24/2012 18:56
1,2-Dibromo-3-chloropropane	ND	U	7.52	20.0	ug/L	4	12/24/2012 18:56
1,2-Dibromoethane	ND	U	1.38	4.00	ug/L	4	12/24/2012 18:56
1,2-Dichlorobenzene	ND	U	1.19	4.00	ug/L	4	12/24/2012 18:56
1,2-Dichloroethane	ND	U	1.18	4.00	ug/L	4	12/24/2012 18:56
1,2-Dichloropropane	ND	U	0.644	4.00	ug/L	4	12/24/2012 18:56
1,3,5-Trimethylbenzene	ND	U	1.10	4.00	ug/L	4	12/24/2012 18:56
1,3-Dichlorobenzene	ND	U	1.30	4.00	ug/L	4	12/24/2012 18:56
1,3-Dichloropropane	ND	U	1.28	4.00	ug/L	4	12/24/2012 18:56
1,4-Dichlorobenzene	ND	U	1.85	4.00	ug/L	4	12/24/2012 18:56
2,2-Dichloropropane	ND	U	0.956	4.00	ug/L	4	12/24/2012 18:56
2-Butanone	ND	U	6.12	100	ug/L	4	12/24/2012 18:56
2-Chlorotoluene	ND	U	1.20	4.00	ug/L	4	12/24/2012 18:56
2-Hexanone	ND	U	4.96	20.0	ug/L	4	12/24/2012 18:56
4-Chlorotoluene	ND	U	1.68	4.00	ug/L	4	12/24/2012 18:56
4-Isopropyltoluene	ND	U	0.812	4.00	ug/L	4	12/24/2012 18:56
4-Methyl-2-pentanone	ND	U	5.12	20.0	ug/L	4	12/24/2012 18:56
Acetone	ND	U	5.64	100	ug/L	4	12/24/2012 18:56
Benzene	ND	U	0.624	4.00	ug/L	4	12/24/2012 18:56
Bromobenzene	ND	U	1.17	4.00	ug/L	4	12/24/2012 18:56
Bromochloromethane	ND	U	0.876	4.00	ug/L	4	12/24/2012 18:56
Bromodichloromethane	ND	U	1.46	4.00	ug/L	4	12/24/2012 18:56
Bromoform	ND	U	1.98	4.00	ug/L	4	12/24/2012 18:56
Bromomethane	ND	U	0.672	4.00	ug/L	4	12/24/2012 18:56
n-Butylbenzene	ND	U	0.732	4.00	ug/L	4	12/24/2012 18:56
Carbon disulfide	ND	U	0.436	4.00	ug/L	4	12/24/2012 18:56
Carbon tetrachloride	ND	U	1.08	4.00	ug/L	4	12/24/2012 18:56
Chlorobenzene	ND	U	1.08	4.00	ug/L	4	12/24/2012 18:56
Chloroethane	ND	U	0.860	4.00	ug/L	4	12/24/2012 18:56
Chloroform	ND	U	0.736	4.00	ug/L	4	12/24/2012 18:56
Chloromethane	ND	U	0.528	4.00	ug/L	4	12/24/2012 18:56
Dibromochloromethane	ND	U	1.53	4.00	ug/L	4	12/24/2012 18:56
Dibromomethane	ND	U	1.54	4.00	ug/L	4	12/24/2012 18:56

Print Date: 01/03/2013

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-7D**

Client Sample ID: **AMW-7D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038003-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 11:40
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.640	20.0	ug/L	4	12/24/2012 18:56
cis-1,3-Dichloropropene	ND	U	1.08	4.00	ug/L	4	12/24/2012 18:56
trans-1,3-Dichloropropene	ND	U	1.05	4.00	ug/L	4	12/24/2012 18:56
Diisopropyl Ether	ND	U	0.836	4.00	ug/L	4	12/24/2012 18:56
Ethyl Benzene	ND	U	1.00	4.00	ug/L	4	12/24/2012 18:56
Hexachlorobutadiene	ND	U	1.10	4.00	ug/L	4	12/24/2012 18:56
Isopropylbenzene (Cumene)	ND	U	1.14	4.00	ug/L	4	12/24/2012 18:56
Methyl iodide	ND	U	0.592	4.00	ug/L	4	12/24/2012 18:56
Methylene chloride	ND	U	0.644	20.0	ug/L	4	12/24/2012 18:56
Naphthalene	ND	U	0.868	4.00	ug/L	4	12/24/2012 18:56
Styrene	ND	U	0.896	4.00	ug/L	4	12/24/2012 18:56
Tetrachloroethene	**360**		52.8	200	ug/L	200	12/21/2012 18:55
Toluene	ND	U	0.780	4.00	ug/L	4	12/24/2012 18:56
Trichloroethene	**1220**		45.4	200	ug/L	200	12/21/2012 18:55
Trichlorofluoromethane	ND	U	0.556	4.00	ug/L	4	12/24/2012 18:56
Vinyl chloride	**42.7**		0.756	4.00	ug/L	4	12/24/2012 18:56
Xylene (total)	ND	U	1.19	8.00	ug/L	4	12/24/2012 18:56
cis-1,2-Dichloroethene	**4250**		59.8	200	ug/L	200	12/21/2012 18:55
m,p-Xylene	ND	U	1.12	8.00	ug/L	4	12/24/2012 18:56
n-Propylbenzene	ND	U	1.19	4.00	ug/L	4	12/24/2012 18:56
o-Xylene	ND	U	1.19	4.00	ug/L	4	12/24/2012 18:56
sec-Butylbenzene	ND	U	0.964	4.00	ug/L	4	12/24/2012 18:56
tert-Butyl methyl ether (MTBE)	ND	U	0.800	4.00	ug/L	4	12/24/2012 18:56
tert-Butylbenzene	ND	U	1.17	4.00	ug/L	4	12/24/2012 18:56
trans-1,2-Dichloroethene	**56.4**		0.852	4.00	ug/L	4	12/24/2012 18:56
trans-1,4-Dichloro-2-butene	ND	U	9.44	20.0	ug/L	4	12/24/2012 18:56
Surrogates							
1,2-Dichloroethane-d4	104			64.0-140	%	4	12/24/2012 18:56
4-Bromofluorobenzene	95.0			85.0-115	%	4	12/24/2012 18:56
Toluene d8	99.0			82.0-117	%	4	12/24/2012 18:56

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-7D**

Client Sample ID: **AMW-7D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038003-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 11:40
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed

Batch Information

Analytical Batch: **VMS2793**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4458**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/21/2012 08:34**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Analytical Batch: **VMS2794**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4463**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/24/2012 11:58**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-7D**

Client Sample ID: **AMW-7D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038003-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 11:40
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.77	5.12	ug/L	1	01/2/2013 19:58
1,2-Dichlorobenzene	ND	U	1.75	5.12	ug/L	1	01/2/2013 19:58
1,3-Dichlorobenzene	ND	U	1.69	5.12	ug/L	1	01/2/2013 19:58
1,4-Dichlorobenzene	ND	U	1.67	5.12	ug/L	1	01/2/2013 19:58
2,4-Dinitrotoluene	ND	U	1.88	5.12	ug/L	1	01/2/2013 19:58
2,6-Dinitrotoluene	ND	U	1.92	5.12	ug/L	1	01/2/2013 19:58
2-Chloronaphthalene	ND	U	2.05	5.12	ug/L	1	01/2/2013 19:58
2-Methylnaphthalene	ND	U	1.99	5.12	ug/L	1	01/2/2013 19:58
2-Nitroaniline	ND	U	1.73	5.12	ug/L	1	01/2/2013 19:58
3,3'-Dichlorobenzidine	ND	U	1.79	10.2	ug/L	1	01/2/2013 19:58
3-Nitroaniline	ND	U	1.69	25.6	ug/L	1	01/2/2013 19:58
4-Chloroaniline	ND	U	1.92	25.6	ug/L	1	01/2/2013 19:58
4-Chlorophenyl phenyl ether	ND	U	2.52	5.12	ug/L	1	01/2/2013 19:58
Acenaphthene	ND	U	2.11	5.12	ug/L	1	01/2/2013 19:58
Acenaphthylene	ND	U	2.05	5.12	ug/L	1	01/2/2013 19:58
Anthracene	ND	U	1.98	5.12	ug/L	1	01/2/2013 19:58
Benzo(a)anthracene	ND	U	2.01	5.12	ug/L	1	01/2/2013 19:58
Benzo(a)pyrene	ND	U	1.90	5.12	ug/L	1	01/2/2013 19:58
Benzo(b)fluoranthene	ND	U	2.01	5.12	ug/L	1	01/2/2013 19:58
Benzo(g,h,i)perylene	ND	U	2.20	5.12	ug/L	1	01/2/2013 19:58
Benzo(k)fluoranthene	ND	U	2.36	5.12	ug/L	1	01/2/2013 19:58
Bis(2-Chloroethoxy)methane	ND	U	2.17	5.12	ug/L	1	01/2/2013 19:58
Bis(2-Chloroethyl)ether	ND	U	2.26	5.12	ug/L	1	01/2/2013 19:58
Bis(2-Chloroisopropyl)ether	ND	U	2.09	5.12	ug/L	1	01/2/2013 19:58
Bis(2-Ethylhexyl)phthalate	**36.3**		2.00	5.12	ug/L	1	01/2/2013 19:58
4-Bromophenyl phenyl ether	ND	U	2.09	5.12	ug/L	1	01/2/2013 19:58
Butyl benzyl phthalate	ND	U	1.93	5.12	ug/L	1	01/2/2013 19:58
Chrysene	ND	U	2.25	5.12	ug/L	1	01/2/2013 19:58
Di-n-butyl phthalate	ND	U	1.95	5.12	ug/L	1	01/2/2013 19:58
Di-n-octyl phthalate	ND	U	1.49	5.12	ug/L	1	01/2/2013 19:58
Dibenz(a,h)anthracene	ND	U	2.07	5.12	ug/L	1	01/2/2013 19:58
Dibenzofuran	ND	U	2.27	5.12	ug/L	1	01/2/2013 19:58
Diethyl phthalate	ND	U	2.15	5.12	ug/L	1	01/2/2013 19:58
Dimethyl phthalate	ND	U	2.19	5.12	ug/L	1	01/2/2013 19:58
Diphenylamine	ND	U	2.07	5.12	ug/L	1	01/2/2013 19:58
Fluoranthene	ND	U	2.07	5.12	ug/L	1	01/2/2013 19:58
Fluorene	ND	U	2.50	5.12	ug/L	1	01/2/2013 19:58
Hexachlorobenzene	ND	U	1.98	5.12	ug/L	1	01/2/2013 19:58
Hexachlorobutadiene	ND	U	1.56	5.12	ug/L	1	01/2/2013 19:58
Hexachlorocyclopentadiene	ND	U	0.807	10.2	ug/L	1	01/2/2013 19:58
Hexachloroethane	ND	U	1.43	5.12	ug/L	1	01/2/2013 19:58
Indeno(1,2,3-cd)pyrene	ND	U	2.07	5.12	ug/L	1	01/2/2013 19:58
Isophorone	ND	U	2.14	5.12	ug/L	1	01/2/2013 19:58

Print Date: 01/03/2013

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Results of **AMW-7D**

Client Sample ID: **AMW-7D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038003-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 11:40
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	ND	U	1.99	5.12	ug/L	1	01/2/2013 19:58
4-Nitroaniline	ND	U	1.72	25.6	ug/L	1	01/2/2013 19:58
Nitrobenzene	ND	U	2.24	5.12	ug/L	1	01/2/2013 19:58
Phenanthrene	ND	U	2.04	5.12	ug/L	1	01/2/2013 19:58
Pyrene	ND	U	2.06	5.12	ug/L	1	01/2/2013 19:58
n-Nitrosodi-n-propylamine	ND	U	2.28	5.12	ug/L	1	01/2/2013 19:58
Surrogates							
2,4,6-Tribromophenol	120			29.3-152	%	1	01/2/2013 19:58
2-Fluorobiphenyl	95.0			50.0-107	%	1	01/2/2013 19:58
2-Fluorophenol	78.0			33.1-118	%	1	01/2/2013 19:58
Nitrobenzene-d5	90.0			46.0-118	%	1	01/2/2013 19:58
Phenol-d6	96.0			49.0-120	%	1	01/2/2013 19:58
Terphenyl-d14	97.0			22.1-142	%	1	01/2/2013 19:58

Batch Information

Analytical Batch: **XMS1781**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **977 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

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JC 2/18/13

Results of AMW-8~~D~~S

Client Sample ID: ~~AMW-8D~~ AMW-8S
Client Project ID: Former Pazivk Warehouse
Lab Sample ID: 31204038004-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 10:50
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.355	1.00	ug/L	1	12/21/2012 17:17
1,1,1-Trichloroethane	ND	U	0.205	1.00	ug/L	1	12/21/2012 17:17
1,1,2,2-Tetrachloroethane	ND	U	0.289	1.00	ug/L	1	12/21/2012 17:17
1,1,2-Trichloroethane	ND	U	0.295	1.00	ug/L	1	12/21/2012 17:17
1,1-Dichloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 17:17
1,1-Dichloroethene	ND	U	0.288	1.00	ug/L	1	12/21/2012 17:17
1,1-Dichloropropene	ND	U	0.203	1.00	ug/L	1	12/21/2012 17:17
1,2,3-Trichlorobenzene	ND	U	0.358	1.00	ug/L	1	12/21/2012 17:17
1,2,3-Trichloropropane	ND	U	0.421	1.00	ug/L	1	12/21/2012 17:17
1,2,4-Trichlorobenzene	ND	U	0.202	1.00	ug/L	1	12/21/2012 17:17
1,2,4-Trimethylbenzene	ND	U	0.306	1.00	ug/L	1	12/21/2012 17:17
1,2-Dibromo-3-chloropropane	ND	U	1.88	5.00	ug/L	1	12/21/2012 17:17
1,2-Dibromoethane	ND	U	0.344	1.00	ug/L	1	12/21/2012 17:17
1,2-Dichlorobenzene	ND	U	0.298	1.00	ug/L	1	12/21/2012 17:17
1,2-Dichloroethane	ND	U	0.296	1.00	ug/L	1	12/21/2012 17:17
1,2-Dichloropropane	ND	U	0.161	1.00	ug/L	1	12/21/2012 17:17
1,3,5-Trimethylbenzene	ND	U	0.275	1.00	ug/L	1	12/21/2012 17:17
1,3-Dichlorobenzene	ND	U	0.324	1.00	ug/L	1	12/21/2012 17:17
1,3-Dichloropropane	ND	U	0.320	1.00	ug/L	1	12/21/2012 17:17
1,4-Dichlorobenzene	ND	U	0.463	1.00	ug/L	1	12/21/2012 17:17
2,2-Dichloropropane	ND	U	0.239	1.00	ug/L	1	12/21/2012 17:17
2-Butanone	ND	U	1.53	25.0	ug/L	1	12/21/2012 17:17
2-Chlorotoluene	ND	U	0.299	1.00	ug/L	1	12/21/2012 17:17
2-Hexanone	ND	U	1.24	5.00	ug/L	1	12/21/2012 17:17
4-Chlorotoluene	ND	U	0.421	1.00	ug/L	1	12/21/2012 17:17
4-Isopropyltoluene	ND	U	0.203	1.00	ug/L	1	12/21/2012 17:17
4-Methyl-2-pentanone	ND	U	1.28	5.00	ug/L	1	12/21/2012 17:17
Acetone	ND	U	1.41	25.0	ug/L	1	12/21/2012 17:17
Benzene	ND	U	0.156	1.00	ug/L	1	12/21/2012 17:17
Bromobenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 17:17
Bromochloromethane	ND	U	0.219	1.00	ug/L	1	12/21/2012 17:17
Bromodichloromethane	ND	U	0.364	1.00	ug/L	1	12/21/2012 17:17
Bromoform	ND	U	0.496	1.00	ug/L	1	12/21/2012 17:17
Bromomethane	ND	U	0.168	1.00	ug/L	1	12/21/2012 17:17
n-Butylbenzene	ND	U	0.183	1.00	ug/L	1	12/21/2012 17:17
Carbon disulfide	ND	U	0.109	1.00	ug/L	1	12/21/2012 17:17
Carbon tetrachloride	ND	U	0.270	1.00	ug/L	1	12/21/2012 17:17
Chlorobenzene	ND	U	0.269	1.00	ug/L	1	12/21/2012 17:17
Chloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 17:17
Chloroform	ND	U	0.184	1.00	ug/L	1	12/21/2012 17:17
Chloromethane	ND	U	0.132	1.00	ug/L	1	12/21/2012 17:17
Dibromochloromethane	ND	U	0.383	1.00	ug/L	1	12/21/2012 17:17
Dibromomethane	ND	U	0.386	1.00	ug/L	1	12/21/2012 17:17

Print Date: 01/03/2013

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Results of AMW-~~8D~~ 5

JC 2/18/12

Client Sample ID: ~~AMW-8D~~ AMW-8S
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038004-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 10:50
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.160	5.00	ug/L	1	12/21/2012 17:17
cis-1,3-Dichloropropene	ND	U	0.269	1.00	ug/L	1	12/21/2012 17:17
trans-1,3-Dichloropropene	ND	U	0.262	1.00	ug/L	1	12/21/2012 17:17
Diisopropyl Ether	ND	U	0.209	1.00	ug/L	1	12/21/2012 17:17
Ethyl Benzene	ND	U	0.251	1.00	ug/L	1	12/21/2012 17:17
Hexachlorobutadiene	ND	U	0.274	1.00	ug/L	1	12/21/2012 17:17
Isopropylbenzene (Cumene)	ND	U	0.286	1.00	ug/L	1	12/21/2012 17:17
Methyl iodide	ND	U	0.148	1.00	ug/L	1	12/21/2012 17:17
Methylene chloride	ND	U	0.161	5.00	ug/L	1	12/21/2012 17:17
Naphthalene	ND	U	0.217	1.00	ug/L	1	12/21/2012 17:17
Styrene	ND	U	0.224	1.00	ug/L	1	12/21/2012 17:17
Tetrachloroethene	ND	U	0.264	1.00	ug/L	1	12/21/2012 17:17
Toluene	ND	U	0.195	1.00	ug/L	1	12/21/2012 17:17
Trichloroethene	ND	U	0.227	1.00	ug/L	1	12/21/2012 17:17
Trichlorofluoromethane	ND	U	0.139	1.00	ug/L	1	12/21/2012 17:17
Vinyl chloride	ND	U	0.189	1.00	ug/L	1	12/21/2012 17:17
Xylene (total)	ND	U	0.298	2.00	ug/L	1	12/21/2012 17:17
cis-1,2-Dichloroethene	**1.85**		0.299	1.00	ug/L	1	12/21/2012 17:17
m,p-Xylene	ND	U	0.280	2.00	ug/L	1	12/21/2012 17:17
n-Propylbenzene	ND	U	0.297	1.00	ug/L	1	12/21/2012 17:17
o-Xylene	ND	U	0.298	1.00	ug/L	1	12/21/2012 17:17
sec-Butylbenzene	ND	U	0.241	1.00	ug/L	1	12/21/2012 17:17
tert-Butyl methyl ether (MTBE)	ND	U	0.200	1.00	ug/L	1	12/21/2012 17:17
tert-Butylbenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 17:17
trans-1,2-Dichloroethene	ND	U	0.213	1.00	ug/L	1	12/21/2012 17:17
trans-1,4-Dichloro-2-butene	ND	U	2.36	5.00	ug/L	1	12/21/2012 17:17
Surrogates							
1,2-Dichloroethane-d4	102			64.0-140	%	1	12/21/2012 17:17
4-Bromofluorobenzene	97.0			85.0-115	%	1	12/21/2012 17:17
Toluene d8	104			82.0-117	%	1	12/21/2012 17:17

Batch Information

Analytical Batch: VMS2793
Analytical Method: SW-846 8260B
Instrument: MSD8
Analyst: BWS

Prep Batch: VXX4458
Prep Method: SW-846 5030B
Prep Date/Time: 12/21/2012 08:34
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 40 mL

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

JC 2/18/13

Results of AMW-8~~D~~S

Client Sample ID: ~~AMW-8D~~ AMW-8S
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038004-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 10:50
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.76	5.09	ug/L	1	12/20/2012 21:24
1,2-Dichlorobenzene	ND	U	1.74	5.09	ug/L	1	12/20/2012 21:24
1,3-Dichlorobenzene	ND	U	1.68	5.09	ug/L	1	12/20/2012 21:24
1,4-Dichlorobenzene	ND	U	1.66	5.09	ug/L	1	12/20/2012 21:24
2,4-Dinitrotoluene	ND	U	1.87	5.09	ug/L	1	12/20/2012 21:24
2,6-Dinitrotoluene	ND	U	1.91	5.09	ug/L	1	12/20/2012 21:24
2-Chloronaphthalene	ND	U	2.03	5.09	ug/L	1	12/20/2012 21:24
2-Methylnaphthalene	ND	U	1.97	5.09	ug/L	1	12/20/2012 21:24
2-Nitroaniline	ND	U	1.72	5.09	ug/L	1	12/20/2012 21:24
3,3'-Dichlorobenzidine	ND	U	1.78	10.2	ug/L	1	12/20/2012 21:24
3-Nitroaniline	ND	U	1.68	25.4	ug/L	1	12/20/2012 21:24
4-Chloroaniline	ND	U	1.91	25.4	ug/L	1	12/20/2012 21:24
4-Chlorophenyl phenyl ether	ND	U	2.50	5.09	ug/L	1	12/20/2012 21:24
Acenaphthene	ND	U	2.10	5.09	ug/L	1	12/20/2012 21:24
Acenaphthylene	ND	U	2.03	5.09	ug/L	1	12/20/2012 21:24
Anthracene	ND	U	1.96	5.09	ug/L	1	12/20/2012 21:24
Benzo(a)anthracene	ND	U	1.99	5.09	ug/L	1	12/20/2012 21:24
Benzo(a)pyrene	ND	U	1.89	5.09	ug/L	1	12/20/2012 21:24
Benzo(b)fluoranthene	ND	U	1.99	5.09	ug/L	1	12/20/2012 21:24
Benzo(g,h,i)perylene	ND	U	2.19	5.09	ug/L	1	12/20/2012 21:24
Benzo(k)fluoranthene	ND	U	2.35	5.09	ug/L	1	12/20/2012 21:24
Bis(2-Chloroethoxy)methane	ND	U	2.16	5.09	ug/L	1	12/20/2012 21:24
Bis(2-Chloroethyl)ether	ND	U	2.25	5.09	ug/L	1	12/20/2012 21:24
Bis(2-Chloroisopropyl)ether	ND	U	2.08	5.09	ug/L	1	12/20/2012 21:24
Bis(2-Ethylhexyl)phthalate	ND	U	1.98	5.09	ug/L	1	12/20/2012 21:24
4-Bromophenyl phenyl ether	ND	U	2.08	5.09	ug/L	1	12/20/2012 21:24
Butyl benzyl phthalate	ND	U	1.92	5.09	ug/L	1	12/20/2012 21:24
Chrysene	ND	U	2.24	5.09	ug/L	1	12/20/2012 21:24
Di-n-butyl phthalate	ND	U	1.94	5.09	ug/L	1	12/20/2012 21:24
Di-n-octyl phthalate	ND	U	1.49	5.09	ug/L	1	12/20/2012 21:24
Dibenz(a,h)anthracene	ND	U	2.05	5.09	ug/L	1	12/20/2012 21:24
Dibenzofuran	ND	U	2.26	5.09	ug/L	1	12/20/2012 21:24
Diethyl phthalate	ND	U	2.14	5.09	ug/L	1	12/20/2012 21:24
Dimethyl phthalate	ND	U	2.18	5.09	ug/L	1	12/20/2012 21:24
Diphenylamine	ND	U	2.05	5.09	ug/L	1	12/20/2012 21:24
Fluoranthene	ND	U	2.05	5.09	ug/L	1	12/20/2012 21:24
Fluorene	ND	U	2.48	5.09	ug/L	1	12/20/2012 21:24
Hexachlorobenzene	ND	U	1.96	5.09	ug/L	1	12/20/2012 21:24
Hexachlorobutadiene	ND	U	1.55	5.09	ug/L	1	12/20/2012 21:24
Hexachlorocyclopentadiene	ND	U	0.802	10.2	ug/L	1	12/20/2012 21:24
Hexachloroethane	ND	U	1.42	5.09	ug/L	1	12/20/2012 21:24
Indeno(1,2,3-cd)pyrene	ND	U	2.05	5.09	ug/L	1	12/20/2012 21:24
Isophorone	ND	U	2.13	5.09	ug/L	1	12/20/2012 21:24

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

JC 2/14/13

Results of AMW-8D S

Client Sample ID: ~~AMW-8D~~ AMW-8S
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038004-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 10:50
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	ND	U	1.97	5.09	ug/L	1	12/20/2012 21:24
4-Nitroaniline	ND	U	1.71	25.4	ug/L	1	12/20/2012 21:24
Nitrobenzene	ND	U	2.23	5.09	ug/L	1	12/20/2012 21:24
Phenanthrene	ND	U	2.02	5.09	ug/L	1	12/20/2012 21:24
Pyrene	ND	U	2.04	5.09	ug/L	1	12/20/2012 21:24
n-Nitrosodi-n-propylamine	ND	U	2.27	5.09	ug/L	1	12/20/2012 21:24
Surrogates							
2,4,6-Tribromophenol	96.0			29.3-152	%	1	12/20/2012 21:24
2-Fluorobiphenyl	95.0			50.0-107	%	1	12/20/2012 21:24
2-Fluorophenol	88.0			33.1-118	%	1	12/20/2012 21:24
Nitrobenzene-d5	89.0			46.0-118	%	1	12/20/2012 21:24
Phenol-d6	92.0			49.0-120	%	1	12/20/2012 21:24
Terphenyl-d14	62.0			22.1-142	%	1	12/20/2012 21:24

Batch Information

Analytical Batch: **XMS1777**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **983 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

N.C Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-9D**

Client Sample ID: **AMW-9D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038005-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 15:25
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.355	1.00	ug/L	1	12/21/2012 17:42
1,1,1-Trichloroethane	ND	U	0.205	1.00	ug/L	1	12/21/2012 17:42
1,1,2,2-Tetrachloroethane	ND	U	0.289	1.00	ug/L	1	12/21/2012 17:42
1,1,2-Trichloroethane	ND	U	0.295	1.00	ug/L	1	12/21/2012 17:42
1,1-Dichloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 17:42
1,1-Dichloroethene	ND	U	0.288	1.00	ug/L	1	12/21/2012 17:42
1,1-Dichloropropene	ND	U	0.203	1.00	ug/L	1	12/21/2012 17:42
1,2,3-Trichlorobenzene	ND	U	0.358	1.00	ug/L	1	12/21/2012 17:42
1,2,3-Trichloropropane	ND	U	0.421	1.00	ug/L	1	12/21/2012 17:42
1,2,4-Trichlorobenzene	ND	U	0.202	1.00	ug/L	1	12/21/2012 17:42
1,2,4-Trimethylbenzene	**7.70**		0.306	1.00	ug/L	1	12/21/2012 17:42
1,2-Dibromo-3-chloropropane	ND	U	1.88	5.00	ug/L	1	12/21/2012 17:42
1,2-Dibromoethane	ND	U	0.344	1.00	ug/L	1	12/21/2012 17:42
1,2-Dichlorobenzene	ND	U	0.298	1.00	ug/L	1	12/21/2012 17:42
1,2-Dichloroethane	ND	U	0.296	1.00	ug/L	1	12/21/2012 17:42
1,2-Dichloropropane	ND	U	0.161	1.00	ug/L	1	12/21/2012 17:42
1,3,5-Trimethylbenzene	**3.31**		0.275	1.00	ug/L	1	12/21/2012 17:42
1,3-Dichlorobenzene	ND	U	0.324	1.00	ug/L	1	12/21/2012 17:42
1,3-Dichloropropane	ND	U	0.320	1.00	ug/L	1	12/21/2012 17:42
1,4-Dichlorobenzene	ND	U	0.463	1.00	ug/L	1	12/21/2012 17:42
2,2-Dichloropropane	ND	U	0.239	1.00	ug/L	1	12/21/2012 17:42
2-Butanone	ND	U	1.53	25.0	ug/L	1	12/21/2012 17:42
2-Chlorotoluene	ND	U	0.299	1.00	ug/L	1	12/21/2012 17:42
2-Hexanone	ND	U	1.24	5.00	ug/L	1	12/21/2012 17:42
4-Chlorotoluene	ND	U	0.421	1.00	ug/L	1	12/21/2012 17:42
4-Isopropyltoluene	**0.240**	J	0.203	1.00	ug/L	1	12/21/2012 17:42
4-Methyl-2-pentanone	ND	U	1.28	5.00	ug/L	1	12/21/2012 17:42
Acetone	ND	U	1.41	25.0	ug/L	1	12/21/2012 17:42
Benzene	ND	U	0.156	1.00	ug/L	1	12/21/2012 17:42
Bromobenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 17:42
Bromochloromethane	ND	U	0.219	1.00	ug/L	1	12/21/2012 17:42
Bromodichloromethane	ND	U	0.364	1.00	ug/L	1	12/21/2012 17:42
Bromoform	ND	U	0.496	1.00	ug/L	1	12/21/2012 17:42
Bromomethane	ND	U	0.168	1.00	ug/L	1	12/21/2012 17:42
n-Butylbenzene	ND	U	0.183	1.00	ug/L	1	12/21/2012 17:42
Carbon disulfide	ND	U	0.109	1.00	ug/L	1	12/21/2012 17:42
Carbon tetrachloride	ND	U	0.270	1.00	ug/L	1	12/21/2012 17:42
Chlorobenzene	ND	U	0.269	1.00	ug/L	1	12/21/2012 17:42
Chloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 17:42
Chloroform	ND	U	0.184	1.00	ug/L	1	12/21/2012 17:42
Chloromethane	ND	U	0.132	1.00	ug/L	1	12/21/2012 17:42
Dibromochloromethane	ND	U	0.383	1.00	ug/L	1	12/21/2012 17:42
Dibromomethane	ND	U	0.386	1.00	ug/L	1	12/21/2012 17:42

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-9D**

Client Sample ID: **AMW-9D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038005-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 15:25
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.160	5.00	ug/L	1	12/21/2012 17:42
cis-1,3-Dichloropropene	ND	U	0.269	1.00	ug/L	1	12/21/2012 17:42
trans-1,3-Dichloropropene	ND	U	0.262	1.00	ug/L	1	12/21/2012 17:42
Diisopropyl Ether	ND	U	0.209	1.00	ug/L	1	12/21/2012 17:42
Ethyl Benzene	**1.57**		0.251	1.00	ug/L	1	12/21/2012 17:42
Hexachlorobutadiene	ND	U	0.274	1.00	ug/L	1	12/21/2012 17:42
Isopropylbenzene (Cumene)	**2.12**		0.286	1.00	ug/L	1	12/21/2012 17:42
Methyl iodide	ND	U	0.148	1.00	ug/L	1	12/21/2012 17:42
Methylene chloride	ND	U	0.161	5.00	ug/L	1	12/21/2012 17:42
Naphthalene	**3.41**		0.217	1.00	ug/L	1	12/21/2012 17:42
Styrene	ND	U	0.224	1.00	ug/L	1	12/21/2012 17:42
Tetrachloroethene	ND	U	0.264	1.00	ug/L	1	12/21/2012 17:42
Toluene	ND	U	0.195	1.00	ug/L	1	12/21/2012 17:42
Trichloroethene	ND	U	0.227	1.00	ug/L	1	12/21/2012 17:42
Trichlorofluoromethane	ND	U	0.139	1.00	ug/L	1	12/21/2012 17:42
Vinyl chloride	**2.15**		0.189	1.00	ug/L	1	12/21/2012 17:42
Xylene (total)	**1.12**	J	0.298	2.00	ug/L	1	12/21/2012 17:42
cis-1,2-Dichloroethene	**1.23**		0.299	1.00	ug/L	1	12/21/2012 17:42
m,p-Xylene	**0.840**	J	0.280	2.00	ug/L	1	12/21/2012 17:42
n-Propylbenzene	**1.05**		0.297	1.00	ug/L	1	12/21/2012 17:42
o-Xylene	ND	U	0.298	1.00	ug/L	1	12/21/2012 17:42
sec-Butylbenzene	**0.700**	J	0.241	1.00	ug/L	1	12/21/2012 17:42
tert-Butyl methyl ether (MTBE)	ND	U	0.200	1.00	ug/L	1	12/21/2012 17:42
tert-Butylbenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 17:42
trans-1,2-Dichloroethene	ND	U	0.213	1.00	ug/L	1	12/21/2012 17:42
trans-1,4-Dichloro-2-butene	ND	U	2.36	5.00	ug/L	1	12/21/2012 17:42
Surrogates							
1,2-Dichloroethane-d4	106			64.0-140	%	1	12/21/2012 17:42
4-Bromofluorobenzene	97.0			85.0-115	%	1	12/21/2012 17:42
Toluene d8	106			82.0-117	%	1	12/21/2012 17:42

Batch Information

Analytical Batch: **VMS2793**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4458**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/21/2012 08:34**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-9D**

Client Sample ID: **AMW-9D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038005-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 15:25
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.74	5.03	ug/L	1	12/20/2012 21:47
1,2-Dichlorobenzene	ND	U	1.72	5.03	ug/L	1	12/20/2012 21:47
1,3-Dichlorobenzene	ND	U	1.66	5.03	ug/L	1	12/20/2012 21:47
1,4-Dichlorobenzene	ND	U	1.64	5.03	ug/L	1	12/20/2012 21:47
2,4-Dinitrotoluene	ND	U	1.85	5.03	ug/L	1	12/20/2012 21:47
2,6-Dinitrotoluene	ND	U	1.89	5.03	ug/L	1	12/20/2012 21:47
2-Chloronaphthalene	ND	U	2.01	5.03	ug/L	1	12/20/2012 21:47
2-Methylnaphthalene	ND	U	1.95	5.03	ug/L	1	12/20/2012 21:47
2-Nitroaniline	ND	U	1.70	5.03	ug/L	1	12/20/2012 21:47
3,3'-Dichlorobenzidine	ND	U	1.76	10.1	ug/L	1	12/20/2012 21:47
3-Nitroaniline	ND	U	1.66	25.1	ug/L	1	12/20/2012 21:47
4-Chloroaniline	ND	U	1.89	25.1	ug/L	1	12/20/2012 21:47
4-Chlorophenyl phenyl ether	ND	U	2.47	5.03	ug/L	1	12/20/2012 21:47
Acenaphthene	ND	U	2.07	5.03	ug/L	1	12/20/2012 21:47
Acenaphthylene	ND	U	2.01	5.03	ug/L	1	12/20/2012 21:47
Anthracene	ND	U	1.94	5.03	ug/L	1	12/20/2012 21:47
Benzo(a)anthracene	ND	U	1.97	5.03	ug/L	1	12/20/2012 21:47
Benzo(a)pyrene	ND	U	1.87	5.03	ug/L	1	12/20/2012 21:47
Benzo(b)fluoranthene	ND	U	1.97	5.03	ug/L	1	12/20/2012 21:47
Benzo(g,h,i)perylene	ND	U	2.16	5.03	ug/L	1	12/20/2012 21:47
Benzo(k)fluoranthene	ND	U	2.32	5.03	ug/L	1	12/20/2012 21:47
Bis(2-Chloroethoxy)methane	ND	U	2.13	5.03	ug/L	1	12/20/2012 21:47
Bis(2-Chloroethyl)ether	ND	U	2.22	5.03	ug/L	1	12/20/2012 21:47
Bis(2-Chloroisopropyl)ether	ND	U	2.05	5.03	ug/L	1	12/20/2012 21:47
Bis(2-Ethylhexyl)phthalate	**4.67**	J	1.96	5.03	ug/L	1	12/20/2012 21:47
4-Bromophenyl phenyl ether	ND	U	2.05	5.03	ug/L	1	12/20/2012 21:47
Butyl benzyl phthalate	ND	U	1.90	5.03	ug/L	1	12/20/2012 21:47
Chrysene	ND	U	2.21	5.03	ug/L	1	12/20/2012 21:47
Di-n-butyl phthalate	ND	U	1.92	5.03	ug/L	1	12/20/2012 21:47
Di-n-octyl phthalate	ND	U	1.47	5.03	ug/L	1	12/20/2012 21:47
Dibenz(a,h)anthracene	ND	U	2.03	5.03	ug/L	1	12/20/2012 21:47
Dibenzofuran	ND	U	2.23	5.03	ug/L	1	12/20/2012 21:47
Diethyl phthalate	ND	U	2.11	5.03	ug/L	1	12/20/2012 21:47
Dimethyl phthalate	ND	U	2.15	5.03	ug/L	1	12/20/2012 21:47
Diphenylamine	ND	U	2.03	5.03	ug/L	1	12/20/2012 21:47
Fluoranthene	ND	U	2.03	5.03	ug/L	1	12/20/2012 21:47
Fluorene	ND	U	2.45	5.03	ug/L	1	12/20/2012 21:47
Hexachlorobenzene	ND	U	1.94	5.03	ug/L	1	12/20/2012 21:47
Hexachlorobutadiene	ND	U	1.53	5.03	ug/L	1	12/20/2012 21:47
Hexachlorocyclopentadiene	ND	U	0.792	10.1	ug/L	1	12/20/2012 21:47
Hexachloroethane	ND	U	1.41	5.03	ug/L	1	12/20/2012 21:47
Indeno(1,2,3-cd)pyrene	ND	U	2.03	5.03	ug/L	1	12/20/2012 21:47
Isophorone	ND	U	2.10	5.03	ug/L	1	12/20/2012 21:47

Print Date: 01/03/2013

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Results of **AMW-9D**

Client Sample ID: **AMW-9D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038005-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 15:25
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	**2.41**	J	1.95	5.03	ug/L	1	12/20/2012 21:47
4-Nitroaniline	ND	U	1.69	25.1	ug/L	1	12/20/2012 21:47
Nitrobenzene	ND	U	2.20	5.03	ug/L	1	12/20/2012 21:47
Phenanthrene	ND	U	2.00	5.03	ug/L	1	12/20/2012 21:47
Pyrene	ND	U	2.02	5.03	ug/L	1	12/20/2012 21:47
n-Nitrosodi-n-propylamine	ND	U	2.24	5.03	ug/L	1	12/20/2012 21:47
Surrogates							
2,4,6-Tribromophenol	104			29.3-152	%	1	12/20/2012 21:47
2-Fluorobiphenyl	90.0			50.0-107	%	1	12/20/2012 21:47
2-Fluorophenol	91.0			33.1-118	%	1	12/20/2012 21:47
Nitrobenzene-d5	88.0			46.0-118	%	1	12/20/2012 21:47
Phenol-d6	93.0			49.0-120	%	1	12/20/2012 21:47
Terphenyl-d14	82.0			22.1-142	%	1	12/20/2012 21:47

Batch Information

Analytical Batch: **XMS1777**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **995 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-13D**

Client Sample ID: **AMW-13D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038006-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 16:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	2.84	8.00	ug/L	8	12/24/2012 19:45
1,1,1-Trichloroethane	ND	U	1.64	8.00	ug/L	8	12/24/2012 19:45
1,1,2,2-Tetrachloroethane	ND	U	2.31	8.00	ug/L	8	12/24/2012 19:45
1,1,2-Trichloroethane	ND	U	2.36	8.00	ug/L	8	12/24/2012 19:45
1,1-Dichloroethane	ND	U	1.72	8.00	ug/L	8	12/24/2012 19:45
1,1-Dichloroethene	**19.4**		2.30	8.00	ug/L	8	12/24/2012 19:45
1,1-Dichloropropene	ND	U	1.62	8.00	ug/L	8	12/24/2012 19:45
1,2,3-Trichlorobenzene	ND	U	2.86	8.00	ug/L	8	12/24/2012 19:45
1,2,3-Trichloropropane	ND	U	3.37	8.00	ug/L	8	12/24/2012 19:45
1,2,4-Trichlorobenzene	ND	U	1.62	8.00	ug/L	8	12/24/2012 19:45
1,2,4-Trimethylbenzene	ND	U	2.45	8.00	ug/L	8	12/24/2012 19:45
1,2-Dibromo-3-chloropropane	ND	U	15.0	40.0	ug/L	8	12/24/2012 19:45
1,2-Dibromoethane	ND	U	2.75	8.00	ug/L	8	12/24/2012 19:45
1,2-Dichlorobenzene	ND	U	2.38	8.00	ug/L	8	12/24/2012 19:45
1,2-Dichloroethane	ND	U	2.37	8.00	ug/L	8	12/24/2012 19:45
1,2-Dichloropropane	ND	U	1.29	8.00	ug/L	8	12/24/2012 19:45
1,3,5-Trimethylbenzene	ND	U	2.20	8.00	ug/L	8	12/24/2012 19:45
1,3-Dichlorobenzene	ND	U	2.59	8.00	ug/L	8	12/24/2012 19:45
1,3-Dichloropropane	ND	U	2.56	8.00	ug/L	8	12/24/2012 19:45
1,4-Dichlorobenzene	**18.8**		3.70	8.00	ug/L	8	12/24/2012 19:45
2,2-Dichloropropane	ND	U	1.91	8.00	ug/L	8	12/24/2012 19:45
2-Butanone	ND	U	12.2	200	ug/L	8	12/24/2012 19:45
2-Chlorotoluene	ND	U	2.39	8.00	ug/L	8	12/24/2012 19:45
2-Hexanone	ND	U	9.92	40.0	ug/L	8	12/24/2012 19:45
4-Chlorotoluene	ND	U	3.37	8.00	ug/L	8	12/24/2012 19:45
4-Isopropyltoluene	ND	U	1.62	8.00	ug/L	8	12/24/2012 19:45
4-Methyl-2-pentanone	ND	U	10.2	40.0	ug/L	8	12/24/2012 19:45
Acetone	ND	U	11.3	200	ug/L	8	12/24/2012 19:45
Benzene	ND	U	1.25	8.00	ug/L	8	12/24/2012 19:45
Bromobenzene	ND	U	2.34	8.00	ug/L	8	12/24/2012 19:45
Bromochloromethane	ND	U	1.75	8.00	ug/L	8	12/24/2012 19:45
Bromodichloromethane	ND	U	2.91	8.00	ug/L	8	12/24/2012 19:45
Bromoform	ND	U	3.97	8.00	ug/L	8	12/24/2012 19:45
Bromomethane	ND	U	1.34	8.00	ug/L	8	12/24/2012 19:45
n-Butylbenzene	ND	U	1.46	8.00	ug/L	8	12/24/2012 19:45
Carbon disulfide	ND	U	0.872	8.00	ug/L	8	12/24/2012 19:45
Carbon tetrachloride	ND	U	2.16	8.00	ug/L	8	12/24/2012 19:45
Chlorobenzene	**2.56**	J	2.15	8.00	ug/L	8	12/24/2012 19:45
Chloroethane	ND	U	1.72	8.00	ug/L	8	12/24/2012 19:45
Chloroform	ND	U	1.47	8.00	ug/L	8	12/24/2012 19:45
Chloromethane	ND	U	1.06	8.00	ug/L	8	12/24/2012 19:45
Dibromochloromethane	ND	U	3.06	8.00	ug/L	8	12/24/2012 19:45
Dibromomethane	ND	U	3.09	8.00	ug/L	8	12/24/2012 19:45

Print Date: 01/03/2013

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-13D**

Client Sample ID: **AMW-13D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038006-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 16:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	1.28	40.0	ug/L	8	12/24/2012 19:45
cis-1,3-Dichloropropene	ND	U	2.15	8.00	ug/L	8	12/24/2012 19:45
trans-1,3-Dichloropropene	ND	U	2.10	8.00	ug/L	8	12/24/2012 19:45
Diisopropyl Ether	ND	U	1.67	8.00	ug/L	8	12/24/2012 19:45
Ethyl Benzene	ND	U	2.01	8.00	ug/L	8	12/24/2012 19:45
Hexachlorobutadiene	ND	U	2.19	8.00	ug/L	8	12/24/2012 19:45
Isopropylbenzene (Cumene)	ND	U	2.29	8.00	ug/L	8	12/24/2012 19:45
Methyl iodide	ND	U	1.18	8.00	ug/L	8	12/24/2012 19:45
Methylene chloride	ND	U	1.29	40.0	ug/L	8	12/24/2012 19:45
Naphthalene	ND	U	1.74	8.00	ug/L	8	12/24/2012 19:45
Styrene	ND	U	1.79	8.00	ug/L	8	12/24/2012 19:45
Tetrachloroethene	ND	U	2.11	8.00	ug/L	8	12/24/2012 19:45
Toluene	ND	U	1.56	8.00	ug/L	8	12/24/2012 19:45
Trichloroethene	**2.16**	J	1.82	8.00	ug/L	8	12/24/2012 19:45
Trichlorofluoromethane	ND	U	1.11	8.00	ug/L	8	12/24/2012 19:45
Vinyl chloride	**2810**		75.6	400	ug/L	400	12/21/2012 19:20
Xylene (total)	ND	U	2.38	16.0	ug/L	8	12/24/2012 19:45
cis-1,2-Dichloroethene	**7230**		120	400	ug/L	400	12/21/2012 19:20
m,p-Xylene	ND	U	2.24	16.0	ug/L	8	12/24/2012 19:45
n-Propylbenzene	ND	U	2.38	8.00	ug/L	8	12/24/2012 19:45
o-Xylene	ND	U	2.38	8.00	ug/L	8	12/24/2012 19:45
sec-Butylbenzene	ND	U	1.93	8.00	ug/L	8	12/24/2012 19:45
tert-Butyl methyl ether (MTBE)	ND	U	1.60	8.00	ug/L	8	12/24/2012 19:45
tert-Butylbenzene	ND	U	2.34	8.00	ug/L	8	12/24/2012 19:45
trans-1,2-Dichloroethene	**29.1**		1.70	8.00	ug/L	8	12/24/2012 19:45
trans-1,4-Dichloro-2-butene	ND	U	18.9	40.0	ug/L	8	12/24/2012 19:45
Surrogates							
1,2-Dichloroethane-d4	107			64.0-140	%	8	12/24/2012 19:45
4-Bromofluorobenzene	96.0			85.0-115	%	8	12/24/2012 19:45
Toluene d8	106			82.0-117	%	8	12/24/2012 19:45

Print Date: 01/03/2013

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of AMW-13D

Client Sample ID: **AMW-13D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038006-B
Lab Project ID: 31204038

Collection Date: 12/18/2012 16:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed

Batch Information

Analytical Batch: **VMS2793**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4458**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/21/2012 08:34**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Analytical Batch: **VMS2794**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX4463**
Prep Method: **SW-846 5030B**
Prep Date/Time: **12/24/2012 11:58**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 01/03/2013

N.C. Certification # 481

SGS | ANALYTICAL PERSPECTIVES

Results of **AMW-13D**

Client Sample ID: **AMW-13D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038006-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 16:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	1.73	5.01	ug/L	1	12/20/2012 22:12
1,2-Dichlorobenzene	ND	U	1.71	5.01	ug/L	1	12/20/2012 22:12
1,3-Dichlorobenzene	ND	U	1.65	5.01	ug/L	1	12/20/2012 22:12
1,4-Dichlorobenzene	**20.1**		1.63	5.01	ug/L	1	12/20/2012 22:12
2,4-Dinitrotoluene	ND	U	1.84	5.01	ug/L	1	12/20/2012 22:12
2,6-Dinitrotoluene	ND	U	1.88	5.01	ug/L	1	12/20/2012 22:12
2-Chloronaphthalene	ND	U	2.00	5.01	ug/L	1	12/20/2012 22:12
2-Methylnaphthalene	ND	U	1.94	5.01	ug/L	1	12/20/2012 22:12
2-Nitroaniline	ND	U	1.69	5.01	ug/L	1	12/20/2012 22:12
3,3'-Dichlorobenzidine	ND	U	1.75	10.0	ug/L	1	12/20/2012 22:12
3-Nitroaniline	ND	U	1.65	25.1	ug/L	1	12/20/2012 22:12
4-Chloroaniline	ND	U	1.88	25.1	ug/L	1	12/20/2012 22:12
4-Chlorophenyl phenyl ether	ND	U	2.46	5.01	ug/L	1	12/20/2012 22:12
Acenaphthene	ND	U	2.06	5.01	ug/L	1	12/20/2012 22:12
Acenaphthylene	ND	U	2.00	5.01	ug/L	1	12/20/2012 22:12
Anthracene	ND	U	1.93	5.01	ug/L	1	12/20/2012 22:12
Benzo(a)anthracene	ND	U	1.96	5.01	ug/L	1	12/20/2012 22:12
Benzo(a)pyrene	ND	U	1.86	5.01	ug/L	1	12/20/2012 22:12
Benzo(b)fluoranthene	ND	U	1.96	5.01	ug/L	1	12/20/2012 22:12
Benzo(g,h,i)perylene	ND	U	2.15	5.01	ug/L	1	12/20/2012 22:12
Benzo(k)fluoranthene	ND	U	2.31	5.01	ug/L	1	12/20/2012 22:12
Bis(2-Chloroethoxy)methane	ND	U	2.12	5.01	ug/L	1	12/20/2012 22:12
Bis(2-Chloroethyl)ether	ND	U	2.21	5.01	ug/L	1	12/20/2012 22:12
Bis(2-Chloroisopropyl)ether	ND	U	2.04	5.01	ug/L	1	12/20/2012 22:12
Bis(2-Ethylhexyl)phthalate	ND	U	1.95	5.01	ug/L	1	12/20/2012 22:12
4-Bromophenyl phenyl ether	ND	U	2.04	5.01	ug/L	1	12/20/2012 22:12
Butyl benzyl phthalate	ND	U	1.89	5.01	ug/L	1	12/20/2012 22:12
Chrysene	ND	U	2.20	5.01	ug/L	1	12/20/2012 22:12
Di-n-butyl phthalate	ND	U	1.91	5.01	ug/L	1	12/20/2012 22:12
Di-n-octyl phthalate	ND	U	1.46	5.01	ug/L	1	12/20/2012 22:12
Dibenz(a,h)anthracene	ND	U	2.02	5.01	ug/L	1	12/20/2012 22:12
Dibenzofuran	ND	U	2.22	5.01	ug/L	1	12/20/2012 22:12
Diethyl phthalate	ND	U	2.10	5.01	ug/L	1	12/20/2012 22:12
Dimethyl phthalate	ND	U	2.14	5.01	ug/L	1	12/20/2012 22:12
Diphenylamine	ND	U	2.02	5.01	ug/L	1	12/20/2012 22:12
Fluoranthene	ND	U	2.02	5.01	ug/L	1	12/20/2012 22:12
Fluorene	ND	U	2.44	5.01	ug/L	1	12/20/2012 22:12
Hexachlorobenzene	ND	U	1.93	5.01	ug/L	1	12/20/2012 22:12
Hexachlorobutadiene	ND	U	1.52	5.01	ug/L	1	12/20/2012 22:12
Hexachlorocyclopentadiene	ND	U	0.790	10.0	ug/L	1	12/20/2012 22:12
Hexachloroethane	ND	U	1.40	5.01	ug/L	1	12/20/2012 22:12
Indeno(1,2,3-cd)pyrene	ND	U	2.02	5.01	ug/L	1	12/20/2012 22:12
Isophorone	ND	U	2.09	5.01	ug/L	1	12/20/2012 22:12

Print Date: 01/03/2013

N.C Certification # 481

SGS | ANALYTICAL PERSPECTIVES

Results of **AMW-13D**

Client Sample ID: **AMW-13D**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038006-D
Lab Project ID: 31204038

Collection Date: 12/18/2012 16:32
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Naphthalene	ND	U	1.94	5.01	ug/L	1	12/20/2012 22:12
4-Nitroaniline	ND	U	1.68	25.1	ug/L	1	12/20/2012 22:12
Nitrobenzene	ND	U	2.19	5.01	ug/L	1	12/20/2012 22:12
Phenanthrene	**3.36**	J	1.99	5.01	ug/L	1	12/20/2012 22:12
Pyrene	ND	U	2.01	5.01	ug/L	1	12/20/2012 22:12
n-Nitrosodi-n-propylamine	ND	U	2.23	5.01	ug/L	1	12/20/2012 22:12
Surrogates							
2,4,6-Tribromophenol	103			29.3-152	%	1	12/20/2012 22:12
2-Fluorobiphenyl	89.0			50.0-107	%	1	12/20/2012 22:12
2-Fluorophenol	87.0			33.1-118	%	1	12/20/2012 22:12
Nitrobenzene-d5	88.0			46.0-118	%	1	12/20/2012 22:12
Phenol-d6	91.0			49.0-120	%	1	12/20/2012 22:12
Terphenyl-d14	77.0			22.1-142	%	1	12/20/2012 22:12

Batch Information

Analytical Batch: **XMS1777**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX3426**
Prep Method: **SW-846 3520C**
Prep Date/Time: **12/19/2012 14:49**
Prep Initial Wt./Vol.: **998 mL**
Prep Extract Vol: **5 mL**

Print Date: 01/03/2013

N.C. Certification # 481

SGS | ANALYTICAL PERSPECTIVES

Results of **Trip Blank (not on COC)**

Client Sample ID: **Trip Blank (not on COC)**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038007-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 00:00
Received Date: 12/19/2012 09:10
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.355	1.00	ug/L	1	12/21/2012 12:22
1,1,1-Trichloroethane	ND	U	0.205	1.00	ug/L	1	12/21/2012 12:22
1,1,2,2-Tetrachloroethane	ND	U	0.289	1.00	ug/L	1	12/21/2012 12:22
1,1,2-Trichloroethane	ND	U	0.295	1.00	ug/L	1	12/21/2012 12:22
1,1-Dichloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 12:22
1,1-Dichloroethene	ND	U	0.288	1.00	ug/L	1	12/21/2012 12:22
1,1-Dichloropropene	ND	U	0.203	1.00	ug/L	1	12/21/2012 12:22
1,2,3-Trichlorobenzene	ND	U	0.358	1.00	ug/L	1	12/21/2012 12:22
1,2,3-Trichloropropane	ND	U	0.421	1.00	ug/L	1	12/21/2012 12:22
1,2,4-Trichlorobenzene	ND	U	0.202	1.00	ug/L	1	12/21/2012 12:22
1,2,4-Trimethylbenzene	ND	U	0.306	1.00	ug/L	1	12/21/2012 12:22
1,2-Dibromo-3-chloropropane	ND	U	1.88	5.00	ug/L	1	12/21/2012 12:22
1,2-Dibromoethane	ND	U	0.344	1.00	ug/L	1	12/21/2012 12:22
1,2-Dichlorobenzene	ND	U	0.298	1.00	ug/L	1	12/21/2012 12:22
1,2-Dichloroethane	ND	U	0.296	1.00	ug/L	1	12/21/2012 12:22
1,2-Dichloropropane	ND	U	0.161	1.00	ug/L	1	12/21/2012 12:22
1,3,5-Trimethylbenzene	ND	U	0.275	1.00	ug/L	1	12/21/2012 12:22
1,3-Dichlorobenzene	ND	U	0.324	1.00	ug/L	1	12/21/2012 12:22
1,3-Dichloropropane	ND	U	0.320	1.00	ug/L	1	12/21/2012 12:22
1,4-Dichlorobenzene	ND	U	0.463	1.00	ug/L	1	12/21/2012 12:22
2,2-Dichloropropane	ND	U	0.239	1.00	ug/L	1	12/21/2012 12:22
2-Butanone	ND	U	1.53	25.0	ug/L	1	12/21/2012 12:22
2-Chlorotoluene	ND	U	0.299	1.00	ug/L	1	12/21/2012 12:22
2-Hexanone	ND	U	1.24	5.00	ug/L	1	12/21/2012 12:22
4-Chlorotoluene	ND	U	0.421	1.00	ug/L	1	12/21/2012 12:22
4-Isopropyltoluene	ND	U	0.203	1.00	ug/L	1	12/21/2012 12:22
4-Methyl-2-pentanone	ND	U	1.28	5.00	ug/L	1	12/21/2012 12:22
Acetone	ND	U	1.41	25.0	ug/L	1	12/21/2012 12:22
Benzene	ND	U	0.156	1.00	ug/L	1	12/21/2012 12:22
Bromobenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 12:22
Bromochloromethane	ND	U	0.219	1.00	ug/L	1	12/21/2012 12:22
Bromodichloromethane	ND	U	0.364	1.00	ug/L	1	12/21/2012 12:22
Bromoform	ND	U	0.496	1.00	ug/L	1	12/21/2012 12:22
Bromomethane	ND	U	0.168	1.00	ug/L	1	12/21/2012 12:22
n-Butylbenzene	ND	U	0.183	1.00	ug/L	1	12/21/2012 12:22
Carbon disulfide	ND	U	0.109	1.00	ug/L	1	12/21/2012 12:22
Carbon tetrachloride	ND	U	0.270	1.00	ug/L	1	12/21/2012 12:22
Chlorobenzene	ND	U	0.269	1.00	ug/L	1	12/21/2012 12:22
Chloroethane	ND	U	0.215	1.00	ug/L	1	12/21/2012 12:22
Chloroform	ND	U	0.184	1.00	ug/L	1	12/21/2012 12:22
Chloromethane	ND	U	0.132	1.00	ug/L	1	12/21/2012 12:22
Dibromochloromethane	ND	U	0.383	1.00	ug/L	1	12/21/2012 12:22
Dibromomethane	ND	U	0.386	1.00	ug/L	1	12/21/2012 12:22

Print Date: 01/03/2013

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of Trip Blank (not on COC)

Client Sample ID: **Trip Blank (not on COC)**
Client Project ID: **Former Pazivk Warehouse**
Lab Sample ID: 31204038007-A
Lab Project ID: 31204038

Collection Date: 12/18/2012 00:00
Received Date: 12/19/2012 09:10
Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.160	5.00	ug/L	1	12/21/2012 12:22
cis-1,3-Dichloropropene	ND	U	0.269	1.00	ug/L	1	12/21/2012 12:22
trans-1,3-Dichloropropene	ND	U	0.262	1.00	ug/L	1	12/21/2012 12:22
Diisopropyl Ether	ND	U	0.209	1.00	ug/L	1	12/21/2012 12:22
Ethyl Benzene	ND	U	0.251	1.00	ug/L	1	12/21/2012 12:22
Hexachlorobutadiene	ND	U	0.274	1.00	ug/L	1	12/21/2012 12:22
Isopropylbenzene (Cumene)	ND	U	0.286	1.00	ug/L	1	12/21/2012 12:22
Methyl iodide	ND	U	0.148	1.00	ug/L	1	12/21/2012 12:22
Methylene chloride	ND	U	0.161	5.00	ug/L	1	12/21/2012 12:22
Naphthalene	ND	U	0.217	1.00	ug/L	1	12/21/2012 12:22
Styrene	ND	U	0.224	1.00	ug/L	1	12/21/2012 12:22
Tetrachloroethene	ND	U	0.264	1.00	ug/L	1	12/21/2012 12:22
Toluene	ND	U	0.195	1.00	ug/L	1	12/21/2012 12:22
Trichloroethene	ND	U	0.227	1.00	ug/L	1	12/21/2012 12:22
Trichlorofluoromethane	ND	U	0.139	1.00	ug/L	1	12/21/2012 12:22
Vinyl chloride	ND	U	0.189	1.00	ug/L	1	12/21/2012 12:22
Xylene (total)	ND	U	0.298	2.00	ug/L	1	12/21/2012 12:22
cis-1,2-Dichloroethene	ND	U	0.299	1.00	ug/L	1	12/21/2012 12:22
m,p-Xylene	ND	U	0.280	2.00	ug/L	1	12/21/2012 12:22
n-Propylbenzene	ND	U	0.297	1.00	ug/L	1	12/21/2012 12:22
o-Xylene	ND	U	0.298	1.00	ug/L	1	12/21/2012 12:22
sec-Butylbenzene	ND	U	0.241	1.00	ug/L	1	12/21/2012 12:22
tert-Butyl methyl ether (MTBE)	ND	U	0.200	1.00	ug/L	1	12/21/2012 12:22
tert-Butylbenzene	ND	U	0.293	1.00	ug/L	1	12/21/2012 12:22
trans-1,2-Dichloroethene	ND	U	0.213	1.00	ug/L	1	12/21/2012 12:22
trans-1,4-Dichloro-2-butene	ND	U	2.36	5.00	ug/L	1	12/21/2012 12:22
Surrogates							
1,2-Dichloroethane-d4	99.0			64.0-140	%	1	12/21/2012 12:22
4-Bromofluorobenzene	91.0			85.0-115	%	1	12/21/2012 12:22
Toluene d8	99.0			82.0-117	%	1	12/21/2012 12:22

Batch Information

Analytical Batch: VMS2793
Analytical Method: SW-846 8260B
Instrument: MSD8
Analyst: BWS

Prep Batch: VXX4458
Prep Method: SW-846 5030B
Prep Date/Time: 12/21/2012 08:34
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 40 mL

Print Date: 01/03/2013

N.C. Certification # 481

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **ARM** Work Order No.: **31204038**

1. X Shipped
   ___ Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt Actual Temp.(s) in °C: 2.9°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. X No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH
Date: Wed-12/19/12 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.6

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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February 07, 2013

Karen Corbett
ARM's Waterworks
P.O. Box 1277
Hampstead, NC 28143

RE: Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Dear Karen Corbett:
Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jon D Bradley for
Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: James Cornette, ARM'S Waterworks
Joe Zunich, ARM'S Waterworks

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CERTIFICATIONS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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ANALYTICAL RESULTS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Sample: AMW-8D **Lab ID: 92145859001** Collected: 01/23/13 13:22 Received: 01/24/13 10:10 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	**<0.32**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	90-12-0	
2-Methylnaphthalene	**<0.28**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	91-57-6	
2-Methylphenol(o-Cresol)	**<1.6**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<2.0**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32		
Naphthalene	**<0.34**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	91-20-3	
2-Nitroaniline	**<2.0**	ug/L	50.0	1	01/30/13 07:50	02/04/13 15:32	88-74-4	
3-Nitroaniline	**<2.0**	ug/L	50.0	1	01/30/13 07:50	02/04/13 15:32	99-09-2	
4-Nitroaniline	**<2.1**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	100-01-6	
Nitrobenzene	**<1.1**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	98-95-3	
2-Nitrophenol	**<0.91**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	88-75-5	
4-Nitrophenol	**<4.1**	ug/L	50.0	1	01/30/13 07:50	02/04/13 15:32	100-02-7	
N-Nitrosodimethylamine	**<0.91**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	62-75-9	
N-Nitroso-di-n-propylamine	**<0.99**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	86-30-6	
Pentachlorophenol	**<4.6**	ug/L	25.0	1	01/30/13 07:50	02/04/13 15:32	87-86-5	
Phenanthrene	**<0.22**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	85-01-8	
Phenol	**<1.9**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	108-95-2	
Pyrene	**<0.19**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	129-00-0	
1,2,4-Trichlorobenzene	**<0.98**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	120-82-1	
2,4,5-Trichlorophenol	**<0.92**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	95-95-4	
2,4,6-Trichlorophenol	**<1.3**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	21-110	1	01/30/13 07:50	02/04/13 15:32	4165-60-0	
2-Fluorobiphenyl (S)	54	%	27-110	1	01/30/13 07:50	02/04/13 15:32	321-60-8	
Terphenyl-d14 (S)	57	%	31-107	1	01/30/13 07:50	02/04/13 15:32	1718-51-0	
Phenol-d6 (S)	20	%	10-110	1	01/30/13 07:50	02/04/13 15:32	13127-88-3	
2-Fluorophenol (S)	28	%	12-110	1	01/30/13 07:50	02/04/13 15:32	367-12-4	
2,4,6-Tribromophenol (S)	58	%	27-110	1	01/30/13 07:50	02/04/13 15:32	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**<10.0**	ug/L	25.0	1		02/05/13 16:51	67-64-1	
Benzene	**<1.7**	ug/L	5.0	1		02/05/13 16:51	71-43-2	
Bromobenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	108-86-1	
Bromochloromethane	**<2.2**	ug/L	5.0	1		02/05/13 16:51	74-97-5	
Bromodichloromethane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	75-27-4	
Bromoform	**<1.5**	ug/L	5.0	1		02/05/13 16:51	75-25-2	
Bromomethane	**<2.5**	ug/L	10.0	1		02/05/13 16:51	74-83-9	
2-Butanone (MEK)	**<4.9**	ug/L	10.0	1		02/05/13 16:51	78-93-3	
tert-Butyl Alcohol	**<57.7**	ug/L	100	1		02/05/13 16:51	75-65-0	
n-Butylbenzene	**<1.9**	ug/L	5.0	1		02/05/13 16:51	104-51-8	
sec-Butylbenzene	**<1.7**	ug/L	5.0	1		02/05/13 16:51	135-98-8	
tert-Butylbenzene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	98-06-6	
Carbon tetrachloride	**<1.9**	ug/L	5.0	1		02/05/13 16:51	56-23-5	
Chlorobenzene	**<1.7**	ug/L	5.0	1		02/05/13 16:51	108-90-7	
Chloroethane	**<1.6**	ug/L	10.0	1		02/05/13 16:51	75-00-3	
Chloroform	**<1.9**	ug/L	5.0	1		02/05/13 16:51	67-66-3	
Chloromethane	**<1.5**	ug/L	5.0	1		02/05/13 16:51	74-87-3	

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ANALYTICAL RESULTS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Sample: AMW-8D **Lab ID: 92145859001** Collected: 01/23/13 13:22 Received: 01/24/13 10:10 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.25**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	83-32-9	
Acenaphthylene	**<0.21**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	208-96-8	
Aniline	**<2.0**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	62-53-3	
Anthracene	**<0.14**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	120-12-7	
Benzo(a)anthracene	**<0.33**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	56-55-3	
Benzo(a)pyrene	**<0.30**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	50-32-8	
Benzo(b)fluoranthene	**<0.28**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	205-99-2	
Benzo(g,h,i)perylene	**<0.38**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	191-24-2	
Benzo(k)fluoranthene	**<0.43**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	207-08-9	
Benzoic Acid	**<11.5**	ug/L	50.0	1	01/30/13 07:50	02/04/13 15:32	65-85-0	
Benzyl alcohol	**<2.4**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	100-51-6	
4-Bromophenylphenyl ether	**<0.82**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	101-55-3	
Butylbenzylphthalate	**<0.79**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	85-68-7	
4-Chloro-3-methylphenol	**<3.7**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	59-50-7	
4-Chloroaniline	**<2.8**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	106-47-8	
bis(2-Chloroethoxy)methane	**<0.92**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.95**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	108-60-1	
2-Chloronaphthalene	**<0.98**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	91-58-7	
2-Chlorophenol	**<1.3**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	95-57-8	
4-Chlorophenylphenyl ether	**<0.87**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	7005-72-3	
Chrysene	**<0.21**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	218-01-9	
Dibenz(a,h)anthracene	**<0.55**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	53-70-3	
Dibenzofuran	**<0.89**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	132-64-9	
1,2-Dichlorobenzene	**<0.88**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	95-50-1	
1,3-Dichlorobenzene	**<0.81**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	106-46-7	
3,3'-Dichlorobenzidine	**<2.1**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	91-94-1	
2,4-Dichlorophenol	**<1.7**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	120-83-2	
Diethylphthalate	**<0.58**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	84-66-2	
2,4-Dimethylphenol	**<1.2**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	105-67-9	
Dimethylphthalate	**<0.76**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	131-11-3	
Di-n-butylphthalate	**<0.75**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	84-74-2	
4,6-Dinitro-2-methylphenol	**<2.6**	ug/L	20.0	1	01/30/13 07:50	02/04/13 15:32	534-52-1	
2,4-Dinitrophenol	**<9.0**	ug/L	50.0	1	01/30/13 07:50	02/04/13 15:32	51-28-5	
2,4-Dinitrotoluene	**<0.90**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	121-14-2	
2,6-Dinitrotoluene	**<0.98**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	606-20-2	
Di-n-octylphthalate	**<0.66**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	117-84-0	
bis(2-Ethylhexyl)phthalate	**<0.79**	ug/L	6.0	1	01/30/13 07:50	02/04/13 15:32	117-81-7	
Fluoranthene	**<0.21**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	206-44-0	
Fluorene	**<0.21**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	86-73-7	
Hexachloro-1,3-butadiene	**<0.94**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	87-68-3	
Hexachlorobenzene	**<0.72**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	118-74-1	
Hexachlorocyclopentadiene	**<0.88**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	77-47-4	
Hexachloroethane	**<1.1**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	67-72-1	
Indeno(1,2,3-cd)pyrene	**<0.29**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	193-39-5	
Isophorone	**<0.89**	ug/L	10.0	1	01/30/13 07:50	02/04/13 15:32	78-59-1	

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ANALYTICAL RESULTS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Sample: AMW-8D **Lab ID: 92145859001** Collected: 01/23/13 13:22 Received: 01/24/13 10:10 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
2-Chlorotoluene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	95-49-8	
4-Chlorotoluene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	96-12-8	
Dibromochloromethane	**<1.8**	ug/L	5.0	1		02/05/13 16:51	124-48-1	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.0	1		02/05/13 16:51	106-93-4	
Dibromomethane	**<2.0**	ug/L	5.0	1		02/05/13 16:51	74-95-3	
1,2-Dichlorobenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	95-50-1	
1,3-Dichlorobenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	541-73-1	
1,4-Dichlorobenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	106-46-7	
Dichlorodifluoromethane	**<1.6**	ug/L	5.0	1		02/05/13 16:51	75-71-8	
1,1-Dichloroethane	**5.1**	ug/L	5.0	1		02/05/13 16:51	75-34-3	
1,2-Dichloroethane	**<1.8**	ug/L	5.0	1		02/05/13 16:51	107-06-2	
1,2-Dichloroethene (Total)	**1120**	ug/L	100	20		02/06/13 15:26	540-59-0	
1,1-Dichloroethene	**2.9J**	ug/L	5.0	1		02/05/13 16:51	75-35-4	
cis-1,2-Dichloroethene	**1090**	ug/L	100	20		02/06/13 15:26	156-59-2	
trans-1,2-Dichloroethene	**26.6**	ug/L	5.0	1		02/05/13 16:51	156-60-5	
1,2-Dichloropropane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	78-87-5	
1,3-Dichloropropane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	142-28-9	
2,2-Dichloropropane	**<1.6**	ug/L	5.0	1		02/05/13 16:51	594-20-7	
1,1-Dichloropropene	**<1.7**	ug/L	5.0	1		02/05/13 16:51	563-58-6	
cis-1,3-Dichloropropene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	10061-01-5	
trans-1,3-Dichloropropene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	10061-02-6	
Diisopropyl ether	**<1.7**	ug/L	5.0	1		02/05/13 16:51	108-20-3	
Ethylbenzene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.8**	ug/L	5.0	1		02/05/13 16:51	87-68-3	
2-Hexanone	**<3.8**	ug/L	10.0	1		02/05/13 16:51	591-78-6	
Isopropylbenzene (Cumene)	**<1.6**	ug/L	5.0	1		02/05/13 16:51	98-82-8	
p-Isopropyltoluene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	99-87-6	
Methylene Chloride	**<1.9**	ug/L	5.0	1		02/05/13 16:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<3.6**	ug/L	10.0	1		02/05/13 16:51	108-10-1	
Methyl-tert-butyl ether	**<1.7**	ug/L	5.0	1		02/05/13 16:51	1634-04-4	
Naphthalene	**<2.0**	ug/L	5.0	1		02/05/13 16:51	91-20-3	
n-Propylbenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	103-65-1	
Styrene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.5**	ug/L	5.0	1		02/05/13 16:51	79-34-5	
Tetrachloroethene	**<1.8**	ug/L	5.0	1		02/05/13 16:51	127-18-4	
Toluene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	108-88-3	
1,2,3-Trichlorobenzene	**<2.0**	ug/L	5.0	1		02/05/13 16:51	87-61-6	
1,2,4-Trichlorobenzene	**<1.7**	ug/L	5.0	1		02/05/13 16:51	120-82-1	
1,1,1-Trichloroethane	**<1.9**	ug/L	5.0	1		02/05/13 16:51	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	5.0	1		02/05/13 16:51	79-00-5	
Trichloroethene	**29.2**	ug/L	5.0	1		02/05/13 16:51	79-01-6	
Trichlorofluoromethane	**<1.7**	ug/L	10.0	1		02/05/13 16:51	75-69-4	
1,2,3-Trichloropropane	**<1.5**	ug/L	5.0	1		02/05/13 16:51	96-18-4	
1,2,4-Trimethylbenzene	**<1.5**	ug/L	5.0	1		02/05/13 16:51	95-63-6	
1,3,5-Trimethylbenzene	**<1.3**	ug/L	5.0	1		02/05/13 16:51	108-67-8	

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ANALYTICAL RESULTS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

Sample: AMW-8D **Lab ID: 92145859001** Collected: 01/23/13 13:22 Received: 01/24/13 10:10 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl acetate	**<2.3**	ug/L	10.0	1		02/05/13 16:51	108-05-4	
Vinyl chloride	**12.6**	ug/L	5.0	1		02/05/13 16:51	75-01-4	
m&p-Xylene	**<3.1**	ug/L	10.0	1		02/05/13 16:51	179601-23-1	
o-Xylene	**<1.6**	ug/L	5.0	1		02/05/13 16:51	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	89	%	70-130	1		02/05/13 16:51	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	1		02/05/13 16:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		02/05/13 16:51	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		02/05/13 16:51	2037-26-5	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

QC Batch: MSV/21901 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV
Associated Lab Samples: 92145859001

METHOD BLANK: 916394 — Matrix: Water
Associated Lab Samples: 92145859001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.7	5.0	02/05/13 15:56	
1,1,1-Trichloroethane	ug/L	<1.9	5.0	02/05/13 15:56	
1,1,2,2-Tetrachloroethane	ug/L	<1.5	5.0	02/05/13 15:56	
1,1,2-Trichloroethane	ug/L	<1.7	5.0	02/05/13 15:56	
1,1-Dichloroethane	ug/L	<1.8	5.0	02/05/13 15:56	
1,1-Dichloroethene	ug/L	<1.9	5.0	02/05/13 15:56	
1,1-Dichloropropene	ug/L	<1.7	5.0	02/05/13 15:56	
1,2,3-Trichlorobenzene	ug/L	<2.0	5.0	02/05/13 15:56	
1,2,3-Trichloropropane	ug/L	<1.5	5.0	02/05/13 15:56	
1,2,4-Trichlorobenzene	ug/L	<1.7	5.0	02/05/13 15:56	
1,2,4-Trimethylbenzene	ug/L	<1.5	5.0	02/05/13 15:56	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	02/05/13 15:56	
1,2-Dibromoethane (EDB)	ug/L	<1.7	5.0	02/05/13 15:56	
1,2-Dichlorobenzene	ug/L	<1.5	5.0	02/05/13 15:56	
1,2-Dichloroethane	ug/L	<1.8	5.0	02/05/13 15:56	
1,2-Dichloroethene (Total)	ug/L	<4.4	5.0	02/05/13 15:56	
1,2-Dichloropropane	ug/L	<1.7	5.0	02/05/13 15:56	
1,3,5-Trimethylbenzene	ug/L	<1.3	5.0	02/05/13 15:56	
1,3-Dichlorobenzene	ug/L	<1.5	5.0	02/05/13 15:56	
1,3-Dichloropropane	ug/L	<1.7	5.0	02/05/13 15:56	
1,4-Dichlorobenzene	ug/L	<1.5	5.0	02/05/13 15:56	
2,2-Dichloropropane	ug/L	<1.6	5.0	02/05/13 15:56	
2-Butanone (MEK)	ug/L	<4.9	10.0	02/05/13 15:56	
2-Chlorotoluene	ug/L	<1.5	5.0	02/05/13 15:56	
2-Hexanone	ug/L	<3.8	10.0	02/05/13 15:56	
4-Chlorotoluene	ug/L	<1.6	5.0	02/05/13 15:56	
4-Methyl-2-pentanone (MIBK)	ug/L	<3.6	10.0	02/05/13 15:56	
Acetone	ug/L	<10.0	25.0	02/05/13 15:56	
Benzene	ug/L	<1.7	5.0	02/05/13 15:56	
Bromobenzene	ug/L	<1.5	5.0	02/05/13 15:56	
Bromochloromethane	ug/L	<2.2	5.0	02/05/13 15:56	
Bromodichloromethane	ug/L	<1.7	5.0	02/05/13 15:56	
Bromoform	ug/L	<1.5	5.0	02/05/13 15:56	
Bromomethane	ug/L	<2.5	10.0	02/05/13 15:56	
Carbon tetrachloride	ug/L	<1.9	5.0	02/05/13 15:56	
Chlorobenzene	ug/L	<1.7	5.0	02/05/13 15:56	
Chloroethane	ug/L	<1.6	10.0	02/05/13 15:56	
Chloroform	ug/L	<1.9	5.0	02/05/13 15:56	
Chloromethane	ug/L	<1.5	5.0	02/05/13 15:56	
cis-1,2-Dichloroethene	ug/L	<1.8	5.0	02/05/13 15:56	
cis-1,3-Dichloropropene	ug/L	<1.6	5.0	02/05/13 15:56	
Dibromochloromethane	ug/L	<1.8	5.0	02/05/13 15:56	
Dibromomethane	ug/L	<2.0	5.0	02/05/13 15:56	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

METHOD BLANK: 916394 Matrix: Water

Associated Lab Samples: 92145859001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<1.6	5.0	02/05/13 15:56	
Diisopropyl ether	ug/L	<1.7	5.0	02/05/13 15:56	
Ethylbenzene	ug/L	<1.6	5.0	02/05/13 15:56	
Hexachloro-1,3-butadiene	ug/L	2.1J	5.0	02/05/13 15:56	
Isopropylbenzene (Cumene)	ug/L	<1.6	5.0	02/05/13 15:56	
m&p-Xylene	ug/L	<3.1	10.0	02/05/13 15:56	
Methyl-tert-butyl ether	ug/L	<1.7	5.0	02/05/13 15:56	
Methylene Chloride	ug/L	<1.9	5.0	02/05/13 15:56	
n-Butylbenzene	ug/L	<1.9	5.0	02/05/13 15:56	
n-Propylbenzene	ug/L	<1.5	5.0	02/05/13 15:56	
Naphthalene	ug/L	<2.0	5.0	02/05/13 15:56	
o-Xylene	ug/L	<1.6	5.0	02/05/13 15:56	
p-Isopropyltoluene	ug/L	<1.6	5.0	02/05/13 15:56	
sec-Butylbenzene	ug/L	<1.7	5.0	02/05/13 15:56	
Styrene	ug/L	<1.6	5.0	02/05/13 15:56	
tert-Butyl Alcohol	ug/L	<57.7	100	02/05/13 15:56	
tert-Butylbenzene	ug/L	<1.6	5.0	02/05/13 15:56	
Tetrachloroethene	ug/L	<1.8	5.0	02/05/13 15:56	
Toluene	ug/L	<1.6	5.0	02/05/13 15:56	
trans-1,2-Dichloroethene	ug/L	<1.8	5.0	02/05/13 15:56	
trans-1,3-Dichloropropene	ug/L	<1.6	5.0	02/05/13 15:56	
Trichloroethene	ug/L	<1.8	5.0	02/05/13 15:56	
Trichlorofluoromethane	ug/L	<1.7	10.0	02/05/13 15:56	
Vinyl acetate	ug/L	<2.3	10.0	02/05/13 15:56	
Vinyl chloride	ug/L	<1.5	5.0	02/05/13 15:56	
1,2-Dichloroethane-d4 (S)	%	104	70-130	02/05/13 15:56	
4-Bromofluorobenzene (S)	%	89	70-130	02/05/13 15:56	
Dibromofluoromethane (S)	%	100	70-130	02/05/13 15:56	
Toluene-d8 (S)	%	101	70-130	02/05/13 15:56	

LABORATORY CONTROL SAMPLE: 916395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.4	93	70-130	
1,1,1-Trichloroethane	ug/L	50	50.8	102	70-137	
1,1,2,2-Tetrachloroethane	ug/L	50	54.1	108	70-130	
1,1,2-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethane	ug/L	50	54.6	109	70-137	
1,1-Dichloroethene	ug/L	50	55.9	112	70-138	
1,1-Dichloropropene	ug/L	50	53.5	107	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.2	96	70-143	
1,2,3-Trichloropropane	ug/L	50	51.5	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	70-138	
1,2,4-Trimethylbenzene	ug/L	50	48.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	68-134	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

LABORATORY CONTROL SAMPLE: 916395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	70-130	
1,2-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dichloroethane	ug/L	50	53.8	108	70-133	
1,2-Dichloroethene (Total)	ug/L	100	109	109	70-130	
1,2-Dichloropropane	ug/L	50	54.5	109	70-130	
1,3,5-Trimethylbenzene	ug/L	50	49.4	99	70-130	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,3-Dichloropropane	ug/L	50	53.4	107	70-130	
1,4-Dichlorobenzene	ug/L	50	50.2	100	70-130	
2,2-Dichloropropane	ug/L	50	50.0	100	61-142	
2-Butanone (MEK)	ug/L	100	134	134	63-150	
2-Chlorotoluene	ug/L	50	50.0	100	70-130	
2-Hexanone	ug/L	100	123	123	70-137	
4-Chlorotoluene	ug/L	50	51.1	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	126	126	70-134	
Acetone	ug/L	100	124	124	68-160	
Benzene	ug/L	50	54.6	109	70-130	
Bromobenzene	ug/L	50	49.5	99	70-130	
Bromochloromethane	ug/L	50	51.3	103	70-135	
Bromodichloromethane	ug/L	50	48.3	97	70-130	
Bromoform	ug/L	50	41.9	84	70-130	
Bromomethane	ug/L	50	50.7	101	63-130	
Carbon tetrachloride	ug/L	50	45.7	91	70-146	
Chlorobenzene	ug/L	50	51.3	103	70-130	
Chloroethane	ug/L	50	51.0	102	60-151	
Chloroform	ug/L	50	52.6	105	70-130	
Chloromethane	ug/L	50	55.1	110	65-133	
cis-1,2-Dichloroethene	ug/L	50	54.1	108	70-134	
cis-1,3-Dichloropropene	ug/L	50	52.0	104	70-130	
Dibromochloromethane	ug/L	50	45.6	91	70-130	
Dibromomethane	ug/L	50	50.2	100	70-130	
Dichlorodifluoromethane	ug/L	50	40.2	80	66-130	
Diisopropyl ether	ug/L	50	59.1	118	70-133	
Ethylbenzene	ug/L	50	51.1	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	48.4	97	58-151	
Isopropylbenzene (Cumene)	ug/L	50	48.9	98	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	70-136	
Methylene Chloride	ug/L	50	71.8	144	70-130	L0
n-Butylbenzene	ug/L	50	50.2	100	70-130	
n-Propylbenzene	ug/L	50	51.6	103	70-130	
Naphthalene	ug/L	50	47.5	95	70-139	
o-Xylene	ug/L	50	49.2	98	70-130	
p-Isopropyltoluene	ug/L	50	50.3	101	70-130	
sec-Butylbenzene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	51.3	103	70-130	
tert-Butyl Alcohol	ug/L	500	426	85	69-151	
tert-Butylbenzene	ug/L	50	50.4	101	70-130	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

LABORATORY CONTROL SAMPLE: 916395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Toluene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.4	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Trichloroethene	ug/L	50	50.3	101	70-130	
Trichlorofluoromethane	ug/L	50	48.0	96	70-130	
Vinyl acetate	ug/L	100	141	141	67-148	
Vinyl chloride	ug/L	50	52.2	104	67-133	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

QC Batch: OEXT/20564 | Analysis Method: EPA 8270
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92145859001

METHOD BLANK: 912945 | Matrix: Water
Associated Lab Samples: 92145859001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.98	10.0	02/04/13 15:00	
1,2-Dichlorobenzene	ug/L	<0.88	10.0	02/04/13 15:00	
1,3-Dichlorobenzene	ug/L	<0.81	10.0	02/04/13 15:00	
1,4-Dichlorobenzene	ug/L	<0.95	10.0	02/04/13 15:00	
1-Methylnaphthalene	ug/L	<0.32	10.0	02/04/13 15:00	
2,4,5-Trichlorophenol	ug/L	<0.92	10.0	02/04/13 15:00	
2,4,6-Trichlorophenol	ug/L	<1.3	10.0	02/04/13 15:00	
2,4-Dichlorophenol	ug/L	<1.7	10.0	02/04/13 15:00	
2,4-Dimethylphenol	ug/L	<1.2	10.0	02/04/13 15:00	
2,4-Dinitrophenol	ug/L	<9.0	50.0	02/04/13 15:00	
2,4-Dinitrotoluene	ug/L	<0.90	10.0	02/04/13 15:00	
2,6-Dinitrotoluene	ug/L	<0.98	10.0	02/04/13 15:00	
2-Chloronaphthalene	ug/L	<0.98	10.0	02/04/13 15:00	
2-Chlorophenol	ug/L	<1.3	10.0	02/04/13 15:00	
2-Methylnaphthalene	ug/L	<0.28	10.0	02/04/13 15:00	
2-Methylphenol(o-Cresol)	ug/L	<1.6	10.0	02/04/13 15:00	
2-Nitroaniline	ug/L	<2.0	50.0	02/04/13 15:00	
2-Nitrophenol	ug/L	<0.91	10.0	02/04/13 15:00	
3&4-Methylphenol(m&p Cresol)	ug/L	<2.0	10.0	02/04/13 15:00	
3,3'-Dichlorobenzidine	ug/L	<2.1	20.0	02/04/13 15:00	
3-Nitroaniline	ug/L	<2.0	50.0	02/04/13 15:00	
4,6-Dinitro-2-methylphenol	ug/L	<2.6	20.0	02/04/13 15:00	
4-Bromophenylphenyl ether	ug/L	<0.82	10.0	02/04/13 15:00	
4-Chloro-3-methylphenol	ug/L	<3.7	20.0	02/04/13 15:00	
4-Chloroaniline	ug/L	<2.8	20.0	02/04/13 15:00	
4-Chlorophenylphenyl ether	ug/L	<0.87	10.0	02/04/13 15:00	
4-Nitroaniline	ug/L	<2.1	20.0	02/04/13 15:00	
4-Nitrophenol	ug/L	<4.1	50.0	02/04/13 15:00	
Acenaphthene	ug/L	<0.25	10.0	02/04/13 15:00	
Acenaphthylene	ug/L	<0.21	10.0	02/04/13 15:00	
Aniline	ug/L	<2.0	10.0	02/04/13 15:00	
Anthracene	ug/L	<0.14	10.0	02/04/13 15:00	
Benzo(a)anthracene	ug/L	<0.33	10.0	02/04/13 15:00	
Benzo(a)pyrene	ug/L	<0.30	10.0	02/04/13 15:00	
Benzo(b)fluoranthene	ug/L	<0.28	10.0	02/04/13 15:00	
Benzo(g,h,i)perylene	ug/L	<0.38	10.0	02/04/13 15:00	
Benzo(k)fluoranthene	ug/L	<0.43	10.0	02/04/13 15:00	
Benzoic Acid	ug/L	<11.5	50.0	02/04/13 15:00	
Benzyl alcohol	ug/L	<2.4	20.0	02/04/13 15:00	
bis(2-Chloroethoxy)methane	ug/L	<0.92	10.0	02/04/13 15:00	
bis(2-Chloroethyl) ether	ug/L	<1.0	10.0	02/04/13 15:00	
bis(2-Chloroisopropyl) ether	ug/L	<0.95	10.0	02/04/13 15:00	
bis(2-Ethylhexyl)phthalate	ug/L	<0.79	6.0	02/04/13 15:00	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

METHOD BLANK: 912945 Matrix: Water

Associated Lab Samples: 92145859001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.79	10.0	02/04/13 15:00	
Chrysene	ug/L	<0.21	10.0	02/04/13 15:00	
Di-n-butylphthalate	ug/L	<0.75	10.0	02/04/13 15:00	
Di-n-octylphthalate	ug/L	<0.66	10.0	02/04/13 15:00	
Dibenz(a,h)anthracene	ug/L	<0.55	10.0	02/04/13 15:00	
Dibenzofuran	ug/L	<0.89	10.0	02/04/13 15:00	
Diethylphthalate	ug/L	<0.58	10.0	02/04/13 15:00	
Dimethylphthalate	ug/L	<0.76	10.0	02/04/13 15:00	
Fluoranthene	ug/L	<0.21	10.0	02/04/13 15:00	
Fluorene	ug/L	<0.21	10.0	02/04/13 15:00	
Hexachloro-1,3-butadiene	ug/L	<0.94	10.0	02/04/13 15:00	
Hexachlorobenzene	ug/L	<0.72	10.0	02/04/13 15:00	
Hexachlorocyclopentadiene	ug/L	<0.88	10.0	02/04/13 15:00	
Hexachloroethane	ug/L	<1.1	10.0	02/04/13 15:00	
Indeno(1,2,3-cd)pyrene	ug/L	<0.29	10.0	02/04/13 15:00	
Isophorone	ug/L	<0.89	10.0	02/04/13 15:00	
N-Nitroso-di-n-propylamine	ug/L	<0.99	10.0	02/04/13 15:00	
N-Nitrosodimethylamine	ug/L	<0.91	10.0	02/04/13 15:00	
N-Nitrosodiphenylamine	ug/L	<1.0	10.0	02/04/13 15:00	
Naphthalene	ug/L	<0.34	10.0	02/04/13 15:00	
Nitrobenzene	ug/L	<1.1	10.0	02/04/13 15:00	
Pentachlorophenol	ug/L	<4.6	25.0	02/04/13 15:00	
Phenanthrene	ug/L	<0.22	10.0	02/04/13 15:00	
Phenol	ug/L	<1.9	10.0	02/04/13 15:00	
Pyrene	ug/L	<0.19	10.0	02/04/13 15:00	
2,4,6-Tribromophenol (S)	%	49	27-110	02/04/13 15:00	
2-Fluorobiphenyl (S)	%	52	27-110	02/04/13 15:00	
2-Fluorophenol (S)	%	24	12-110	02/04/13 15:00	
Nitrobenzene-d5 (S)	%	42	21-110	02/04/13 15:00	
Phenol-d6 (S)	%	16	10-110	02/04/13 15:00	
Terphenyl-d14 (S)	%	69	31-107	02/04/13 15:00	

LABORATORY CONTROL SAMPLE: 912946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	19.9	40	10-110	
1,2-Dichlorobenzene	ug/L	50	18.0	36	10-110	
1,3-Dichlorobenzene	ug/L	50	17.3	35	10-110	
1,4-Dichlorobenzene	ug/L	50	17.8	36	10-110	
1-Methylnaphthalene	ug/L	50	20.9	42	21-110	
2,4,5-Trichlorophenol	ug/L	50	23.8	48	23-116	
2,4,6-Trichlorophenol	ug/L	50	20.9	42	21-114	
2,4-Dichlorophenol	ug/L	50	19.9	40	22-120	
2,4-Dimethylphenol	ug/L	50	19.0	38	15-109	
2,4-Dinitrophenol	ug/L	250	230	92	10-103	

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205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

LABORATORY CONTROL SAMPLE: 912946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	50	35.8	72	24-119	
2,6-Dinitrotoluene	ug/L	50	25.5	51	25-116	
2-Chloronaphthalene	ug/L	50	19.3	39	18-110	
2-Chlorophenol	ug/L	50	17.1	34	10-104	
2-Methylnaphthalene	ug/L	50	20.0	40	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	15.5	31	13-110	
2-Nitroaniline	ug/L	100	51.2	51	20-117	
2-Nitrophenol	ug/L	50	19.9	40	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	13.7	27	14-110	
3,3'-Dichlorobenzidine	ug/L	100	93.6	94	13-131	
3-Nitroaniline	ug/L	100	70.1	70	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	99.6	100	13-119	
4-Bromophenylphenyl ether	ug/L	50	31.4	63	23-120	
4-Chloro-3-methylphenol	ug/L	100	41.0	41	21-119	
4-Chloroaniline	ug/L	100	39.1	39	10-122	
4-Chlorophenylphenyl ether	ug/L	50	28.1	56	22-112	
4-Nitroaniline	ug/L	100	99.1	99	14-118	
4-Nitrophenol	ug/L	250	109	44	10-110	
Acenaphthene	ug/L	50	22.5	45	20-105	
Acenaphthylene	ug/L	50	21.4	43	23-106	
Aniline	ug/L	50	15.2	30	10-110	
Anthracene	ug/L	50	37.8	76	25-120	
Benzo(a)anthracene	ug/L	50	45.3	91	21-128	
Benzo(a)pyrene	ug/L	50	48.1	96	25-116	
Benzo(b)fluoranthene	ug/L	50	46.2	92	23-117	
Benzo(g,h,i)perylene	ug/L	50	48.6	97	17-128	
Benzo(k)fluoranthene	ug/L	50	47.2	94	25-127	
Benzoic Acid	ug/L	250	26.8J	11	10-110	
Benzyl alcohol	ug/L	100	30.8	31	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	18.5	37	19-107	
bis(2-Chloroethyl) ether	ug/L	50	18.6	37	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	14.4	29	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	34.9	70	16-123	
Butylbenzylphthalate	ug/L	50	33.0	66	20-118	
Chrysene	ug/L	50	43.8	88	24-125	
Di-n-butylphthalate	ug/L	50	37.0	74	23-115	
Di-n-octylphthalate	ug/L	50	32.0	64	20-115	
Dibenz(a,h)anthracene	ug/L	50	48.5	97	18-131	
Dibenzofuran	ug/L	50	23.9	48	23-106	
Diethylphthalate	ug/L	50	34.2	68	24-115	
Dimethylphthalate	ug/L	50	28.4	57	22-113	
Fluoranthene	ug/L	50	49.5	99	24-125	
Fluorene	ug/L	50	28.2	56	24-114	
Hexachloro-1,3-butadiene	ug/L	50	19.3	39	10-110	
Hexachlorobenzene	ug/L	50	33.2	66	22-127	
Hexachlorocyclopentadiene	ug/L	50	23.9	48	10-110	
Hexachloroethane	ug/L	50	15.6	31	10-110	
Indeno(1,2,3-cd)pyrene	ug/L	50	48.2	96	18-130	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

LABORATORY CONTROL SAMPLE: 912946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/L	50	14.5	29	23-114	
N-Nitroso-di-n-propylamine	ug/L	50	17.1	34	21-114	
N-Nitrosodimethylamine	ug/L	50	11.0	22	10-110	
N-Nitrosodiphenylamine	ug/L	50	30.9	62	24-123	
Naphthalene	ug/L	50	19.7	39	14-110	
Nitrobenzene	ug/L	50	15.2	30	16-106	
Pentachlorophenol	ug/L	100	97.1	97	10-123	
Phenanthrene	ug/L	50	37.7	75	25-119	
Phenol	ug/L	50	7.8J	16	10-110	
Pyrene	ug/L	50	44.4	89	22-127	
2,4,6-Tribromophenol (S)	%			60	27-110	
2-Fluorobiphenyl (S)	%			36	27-110	
2-Fluorophenol (S)	%			18	12-110	
Nitrobenzene-d5 (S)	%			33	21-110	
Phenol-d6 (S)	%			12	10-110	
Terphenyl-d14 (S)	%			78	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 912947 912948

Parameter	Units	92145859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	<0.98	100	100	52.2	53.0	52	53	10-110	2	
1,2-Dichlorobenzene	ug/L	<0.88	100	100	43.5	43.8	43	44	10-110	1	
1,3-Dichlorobenzene	ug/L	<0.81	100	100	42.3	42.0	42	42	10-110	1	
1,4-Dichlorobenzene	ug/L	<0.95	100	100	43.2	43.0	43	43	10-110	0	
1-Methylnaphthalene	ug/L	<0.32	100	100	54.0	57.4	54	57	14-110	6	
2,4,5-Trichlorophenol	ug/L	<0.92	100	100	62.1	66.4	62	66	19-105	7	
2,4,6-Trichlorophenol	ug/L	<1.3	100	100	56.3	61.2	56	61	13-108	8	
2,4-Dichlorophenol	ug/L	<1.7	100	100	55.6	61.7	56	62	29-111	10	
2,4-Dimethylphenol	ug/L	<1.2	100	100	53.8	59.8	54	60	21-103	11	
2,4-Dinitrophenol	ug/L	<9.0	500	500	468	398	94	80	10-109	16	
2,4-Dinitrotoluene	ug/L	<0.90	100	100	69.7	58.0	70	58	27-104	18	
2,6-Dinitrotoluene	ug/L	<0.98	100	100	53.5	50.0	53	50	28-101	7	
2-Chloronaphthalene	ug/L	<0.98	100	100	48.6	52.0	49	52	14-102	7	
2-Chlorophenol	ug/L	<1.3	100	100	44.8	46.8	45	47	16-110	4	
2-Methylnaphthalene	ug/L	<0.28	100	100	52.0	55.6	52	56	13-110	7	
2-Methylphenol(o-Cresol)	ug/L	<1.6	100	100	45.7	49.7	46	50	19-110	8	
2-Nitroaniline	ug/L	<2.0	200	200	114	109	57	55	26-103	5	
2-Nitrophenol	ug/L	<0.91	100	100	53.8	56.3	54	56	20-110	5	
3&4-Methylphenol(m&p Cresol)	ug/L	<2.0	100	100	43.2	47.5	43	48	20-110	10	
3,3'-Dichlorobenzidine	ug/L	<2.1	200	200	151	142	75	71	25-112	6	
3-Nitroaniline	ug/L	<2.0	200	200	145	123	72	62	29-110	16	
4,6-Dinitro-2-methylphenol	ug/L	<2.6	200	200	186	166	93	83	10-117	11	
4-Bromophenylphenyl ether	ug/L	<0.82	100	100	60.0	60.0	60	60	20-105	0	
4-Chloro-3-methylphenol	ug/L	<3.7	200	200	115	124	58	62	22-110	7	
4-Chloroaniline	ug/L	<2.8	200	200	102	114	51	57	20-100	11	

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QUALITY CONTROL DATA

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 912947 912948

Parameter	Units	92145859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chlorophenylphenyl ether	ug/L	<0.87	100	100	63.1	62.9	63	63	19-102	0	
4-Nitroaniline	ug/L	<2.1	200	200	198	153	99	76	29-110	25	
4-Nitrophenol	ug/L	<4.1	500	500	337	228	67	46	10-110	38	R1
Acenaphthene	ug/L	<0.25	100	100	54.6	56.8	55	57	17-100	4	
Acenaphthylene	ug/L	<0.21	100	100	52.6	55.1	53	55	21-100	5	
Aniline	ug/L	<2.0	100	100	27.5	31.3	27	31	10-110	13	
Anthracene	ug/L	<0.14	100	100	67.1	60.4	67	60	24-109	11	
Benzo(a)anthracene	ug/L	<0.33	100	100	84.1	79.5	84	80	22-117	6	
Benzo(a)pyrene	ug/L	<0.30	100	100	87.4	82.3	87	82	23-104	6	
Benzo(b)fluoranthene	ug/L	<0.28	100	100	86.0	80.9	86	81	23-103	6	
Benzo(g,h,i)perylene	ug/L	<0.38	100	100	87.2	81.4	87	81	18-111	7	
Benzo(k)fluoranthene	ug/L	<0.43	100	100	84.3	80.7	84	81	22-113	4	
Benzoic Acid	ug/L	<11.5	500	500	154	181	31	36	10-110	17	
Benzyl alcohol	ug/L	<2.4	200	200	95.0	101	48	50	19-101	6	
bis(2-Chloroethoxy)methane	ug/L	<0.92	100	100	48.7	51.0	49	51	22-110	5	
bis(2-Chloroethyl) ether	ug/L	<1.0	100	100	45.8	47.2	46	47	16-110	3	
bis(2-Chloroisopropyl) ether	ug/L	<0.95	100	100	35.3	36.4	35	36	14-110	3	
bis(2-Ethylhexyl)phthalate	ug/L	<0.79	100	100	82.5	83.2	82	83	23-102	1	
Butylbenzylphthalate	ug/L	<0.79	100	100	63.1	61.2	63	61	25-110	3	
Chrysene	ug/L	<0.21	100	100	82.1	77.5	82	77	23-115	6	
Di-n-butylphthalate	ug/L	<0.75	100	100	67.3	60.5	67	61	26-110	11	
Di-n-octylphthalate	ug/L	<0.66	100	100	61.6	58.1	62	58	22-110	6	
Dibenz(a,h)anthracene	ug/L	<0.55	100	100	87.0	81.3	87	81	21-112	7	
Dibenzofuran	ug/L	<0.89	100	100	55.7	56.4	56	56	19-102	1	
Diethylphthalate	ug/L	<0.58	100	100	67.9	57.6	68	58	29-110	16	
Dimethylphthalate	ug/L	<0.76	100	100	58.3	53.2	58	53	27-110	9	
Fluoranthene	ug/L	<0.21	100	100	89.8	77.3	90	77	23-112	15	
Fluorene	ug/L	<0.21	100	100	61.6	58.8	62	59	22-104	5	
Hexachloro-1,3-butadiene	ug/L	<0.94	100	100	52.3	53.0	52	53	10-110	1	
Hexachlorobenzene	ug/L	<0.72	100	100	60.3	60.9	60	61	21-116	1	
Hexachlorocyclopentadiene	ug/L	<0.88	100	100	65.9	69.1	66	69	10-110	5	
Hexachloroethane	ug/L	<1.1	100	100	39.4	39.0	39	39	10-110	1	
Indeno(1,2,3-cd)pyrene	ug/L	<0.29	100	100	86.7	81.0	87	81	20-113	7	
Isophorone	ug/L	<0.89	100	100	40.2	42.9	40	43	50-150	7	M0,M1
N-Nitroso-di-n-propylamine	ug/L	<0.99	100	100	45.9	48.9	46	49	21-105	6	
N-Nitrosodimethylamine	ug/L	<0.91	100	100	36.9	34.7	37	35	10-110	6	
N-Nitrosodiphenylamine	ug/L	<1.0	100	100	56.2	55.1	56	55	23-107	2	
Naphthalene	ug/L	<0.34	100	100	51.2	52.7	51	53	10-110	3	
Nitrobenzene	ug/L	<1.1	100	100	38.4	39.3	38	39	20-110	2	
Pentachlorophenol	ug/L	<4.6	200	200	181	156	91	78	10-118	15	
Phenanthrene	ug/L	<0.22	100	100	67.2	59.9	67	60	24-106	12	
Phenol	ug/L	<1.9	100	100	30.4	29.6	30	30	12-110	3	
Pyrene	ug/L	<0.19	100	100	82.3	80.1	82	80	24-114	3	
2,4,6-Tribromophenol (S)	%						55	52	27-110		
2-Fluorobiphenyl (S)	%						43	46	27-110		
2-Fluorophenol (S)	%						29	27	12-110		
Nitrobenzene-d5 (S)	%						41	41	21-110		

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QUALIFIERS

Project: Former Pzaiuk Warehouse 07098
Pace Project No.: 92145859

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1545516

Section A Required Client Information:
Company: ARM
Address: 227 Tomahawk Station Rd Hampstead, NC 28443
Email To: joe.arm@bellsouth.net
Phone: 910 270-2318 Fax: 270-2988
Requested Due Date/TAT:

Section B Required Project Information:
Report To: ARM Attn: Joe Zunich
Copy To:
Purchase Order No.:
Project Name: Former Pazuk Warehouse
Project Number: 07098

Section C Invoice Information:
Attention: Karen Corbett
Company Name: ARM
Address: SAME
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 5040-10

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	8260B	8270D								Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	AMW-8D	WT	G	1-2-13	1322					✓			✓						X	X									92145859 (001)
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Analyze to below NCAC 2L Groundwater Standards	Joe Zunich	1-7-13	1430	[signature]	1-7-13	1430
				Jane Meeker	1/8/13	10:10

SAMPLE CONDITIONS: Temp in °C 2.1 | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Joe Zunich
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-7-13

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 30, 2012 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.08	Issuing Authorities: Pace Asheville Quality Office

Client Name: ARM Project # 92145859

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): Fed-Ex UPS USPS Client Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no **Seals intact:** ☐ yes ☑ no [redacted]

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Circle Thermometer Used: IR Gun#2 90344039 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun Back Up- 111565135

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 2.1 C **Biological Tissue is Frozen:** Yes No N/A **Date and Initials of person examining contents:** 1/24/13

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☑No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis. Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: AMB **Date:** 1/24/13 **SRF Review:** AMB **Date:** 1/24/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)