Hazardous Waste Section

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17

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Author of Doc:	Mineral Springs Environmental, P.C.

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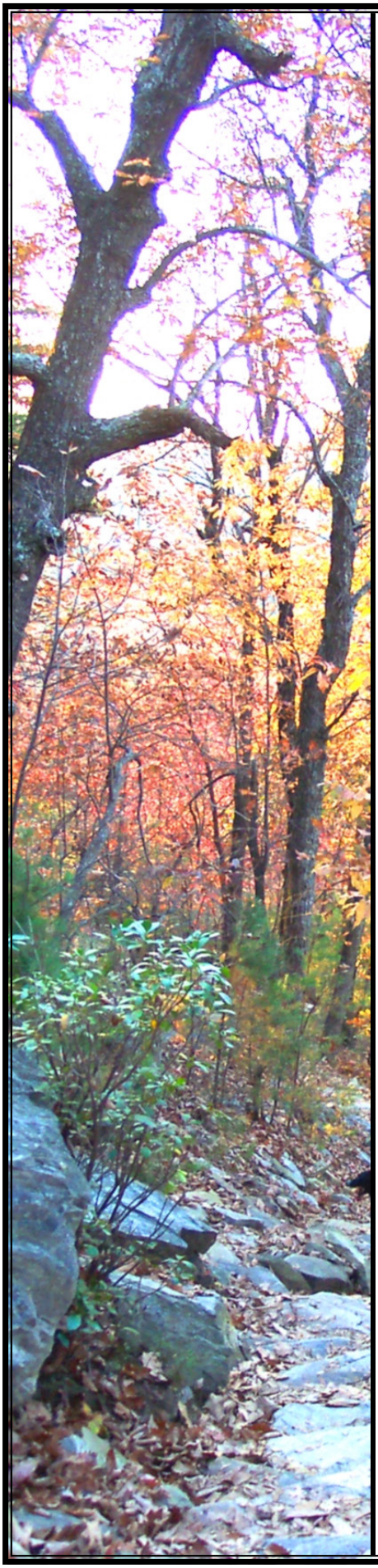

MARCH 2016 ANNUAL POST-CLOSURE CARE GROUNDWATER MONITORING REPORT

AYDEN DISPOSALSITE
PITT COUNTY SCHOOLS
AYDEN, PITT COUNTY,
NORTH CAROLINA
NCD 986 187 458
APRIL 14, 2016
MSE JOB NO. 106

Prepared For:
MR. MIKE WHITFORD
PITT COUNTY SCHOOL DISTRICT
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4600 Mineral Springs Lane
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April 14, 2016

Ms. Mary Siedlecki
North Carolina Hazardous Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699

Reference: **2016 Annual Post-Closure Care Groundwater Monitoring Report**
Ayden Disposal Site - Pitt County Schools
Ayden, North Carolina
EPA ID# NCD 986 187 458

Dear Ms. Siedlecki:

On behalf of Pitt County Schools, Mineral Springs Environmental, P.C. submits the attached report of groundwater monitoring activities conducted at the Ayden Disposal Site in Ayden, North Carolina. The Sampling and Analysis Plan, which was modified and approved in 2003, includes annual collection of water levels from all eight ground water monitoring wells in March and September. The wells are sampled during the March event. One annual report is to be prepared, summarizing these results. This report includes results of site visits conducted in March 2016.

If you have any questions or comments on this report please contact me at (919) 261-8186 or Mr. Mike Whitford of Pitt County Schools at (252) 756-2313.

Sincerely,

Mineral Springs Environmental, P.C.

NORTH CAROLINA LICENSED SEAL 1323 GEOLOGIST KIRK B. POLLARD

Kirk B. Pollard, L.G.
President

cc: Mike Whitford – Pitt County Schools

2016 Annual Report/Kp

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Drawing 4 Groundwater Contour Map - Shallow Monitoring Wells (3/16)
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2016 ANNUAL POST-CLOSURE CARE GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE – PITT COUNTY SCHOOLS
EPA ID# NCD 986 187 458

Ayden, Pitt County, North Carolina
April 14, 2016

1 INTRODUCTION

1.1 General

On behalf of Pitt County Schools (PCS), Mineral Springs Environmental, P.C. (MSE) has prepared the following report describing groundwater monitoring activities conducted at the Ayden Disposal Site in Ayden, North Carolina. Monitoring was conducted in accordance with the requirements of PCS's RCRA Post-Closure Plan (PCP). The Sampling and Analysis Plan for the site was modified and approved in 2003 to include the annual collection of water levels from all wells in March and September. The groundwater monitoring wells are sampled during the March event. One annual report is to be prepared, summarizing these results. This report includes results of site visits conducted in September 2015 and March 2016.

1.2 Site History

The Ayden disposal site is located on the Ray Hardee Farm on State Road 1104, approximately 1 mile southwest of Ayden, North Carolina (Drawing 1). The site is at longitude N35°24.967′ and latitude W77°27.713′. In October 1989, 14 barrels of waste generated by PCS were disposed in a borrow pit at the site. Environmental investigations at the site indicated hazardous constituents had been released to the soil and groundwater. In January 1991, the barrels along with contaminated soil were removed from the site; the disposal pit was capped and closed as a RCRA landfill. The North Carolina Hazardous Waste Section (Section) provides regulatory oversight of the landfill.

After the closure of the landfill, a groundwater extraction and treatment system was installed to remediate the groundwater contaminant plume. An infiltration gallery, constructed as part of the treatment system, was used to dispose the treated wastewater. A Non-Discharge Permit (Water Quality Permit #WQ 0005833) was issued to PCS by the Division of Water Quality (DWQ) to operate this infiltration gallery. On March 25, 1998, the groundwater extraction system ceased operation and an air sparge (AS) system, previously installed at the site, began operation. As the infiltration gallery is no longer in use, the DWQ Permit is no longer required. Monitoring of site contamination is currently being conducted according to the approved PCP administered by the Section. Both systems were dismantled in March 2014 and a report of these has been submitted.

The approved PCP and the groundwater Sampling and Analysis Plan specify annual sampling of monitoring wells MW-1, MW-2, MW-3, MW-3i, MW-4, MW-4i, MW-5, and MW-5i (Drawing 2). Water levels from the eight monitoring wells are to be collected semi-annually in March and September.

2 FIELD ACTIVITIES

2.1 Water Level Measurement

Upon arrival at the site, monitoring well caps were removed to allow water levels to equilibrate with the ambient atmospheric pressure. A new pair of protective/non-reactive gloves was donned at each well prior to water level measurement. Water levels were measured in each monitoring well beginning with the least contaminated well and progressing to the most contaminated well based on historical laboratory analytical data. Depth to groundwater was measured to the nearest 0.01 foot in each well with an electronic water level meter. The reference measuring point was a marked location at the top of each well casing. Total well depths were referenced from previous sampling events. Water level measurement information and construction details for each monitoring well are summarized in Table 1.

Groundwater contour maps for each of the two semi-annual events are included for review. Drawings 3 and 4 depict groundwater conditions and flow for the shallow water table. Drawings 5 and 6 depict groundwater conditions within the intermediate zone on both September 2015 and March 2016, respectively. The shallow water table wells for the September 2015 event indicate that groundwater flows toward the west/southwest at a gradient of approximately 0.003 foot/foot. The March 2016 shallow groundwater table flows toward the west/southwest at a gradient of approximately 0.0014 foot/foot. Groundwater flow within the intermediate wells was toward the west/southwest in September 2015 and in March 2016. The groundwater gradients were 0.003 foot/foot and 0.002 foot/foot, respectively.

2.2 Well Sampling Activities

At the March 2016 event, the measured depth to groundwater was subtracted from the total well depth to obtain the length of the water column in each monitoring well and calculate the amount of water in the well. A clean, bottom-loading polyethylene bailer was used to purge at least three well volumes of water from each well. The bailer was lowered slowly into the water column to prevent degassing during purging. During purging, pH, specific conductivity, and temperature of the purged water were measured after one, two, and three well volumes were removed. A new pair of protective/non-reactive gloves was donned at each well prior to purging.

Following the completion of purging, groundwater samples were collected with the same bailer used to purge each well. The bailer was lowered slowly into the water column to minimize degassing of the sample. Samples were collected at each well for analysis for the presence of volatile organic compounds (VOCs) using sampling bottles provided by the laboratory. The sample bottles contained pre-mixed preservative solutions. The samples were checked to ensure no air bubbles were visible in the filled bottle. Filled sample bottles were placed on ice in coolers and delivered to Environmental Conservation Laboratories, Inc. in Cary, North Carolina by contract carrier under proper chain-of-custody procedures. Monitoring well samples were analyzed for VOCs in accordance with EPA SW-846 Method 8260B.

3 ANALYTICAL RESULTS

Laboratory analytical results for the March 2016 groundwater sampling event are contained in Appendix A and are summarized in Table 2. Historical groundwater sampling data for each monitoring well is summarized in Table 3. As summarized, the samples collected from monitoring wells MW-1, MW-2, MW-3 and MW-3i did not exhibit volatile constituents in concentrations at or above the laboratory quantitation limits. This is consistent with the previous sampling event.

One primary VOC was detected in the ground water samples. Cis-1, 2-dichloroethene (cis-1,2-DCE) was detected in groundwater samples collected from MW-4 (86 micrograms/liter (µg/L)), MW-4i (1.0 µg/L), MW-5 (66 µg/L), and MW-5i (2.2 µg/L). However, only the water sample collected from MW-4 exhibited concentrations that exceeds the North Carolina Groundwater Quality Standard (NCGWQS) of 70 µg/L. Drawing 7 shows the isoconcentration lines for cis-1,2-DCE. Three other VOCs, 1,1 Dichloroethene, trans 1,2-DCE and tetrachloroethene were detected in the groundwater sample collected from MW-4 but the concentrations were reported at estimated values.

4 SUMMARY

Cis-1,2-DCE was detected at concentrations above its respective regulatory limits in water samples collected from monitoring well MW-4 and below the regulatory limits in monitoring wells MW-5, MW-4i and MW-5i. The concentrations showed an increase since the last sampling event. The groundwater flow direction, estimated from shallow water levels measured in wells in September 2015 and March 2016, is consistent with the direction of flow determined during previous monitoring events. The groundwater flow direction estimated for the intermediate depth monitoring wells is toward the west/southwest. In accordance with the February 2013 Groundwater Remediation System Shutdown Workplan, the remediation systems were dismantled in March 2014. It appears the groundwater concentrations continue to be reduced through natural attenuation and degradation processes. Based on the latest results, Pitt County proposes to collect groundwater samples in September 2016 and if similar results are reported the site should be closed.

5 LIMITATIONS

The opinions included in this report are based on the data collected on the days specified using the methods described. If additional data becomes available, we request the opportunity to review and modify the conclusions and recommendations included herein, if appropriate. This report is for the sole use of PCS, and is to be used in its entirety. Use by other parties will be at their sole risk and without liability to Mineral Springs Environmental, P.C.

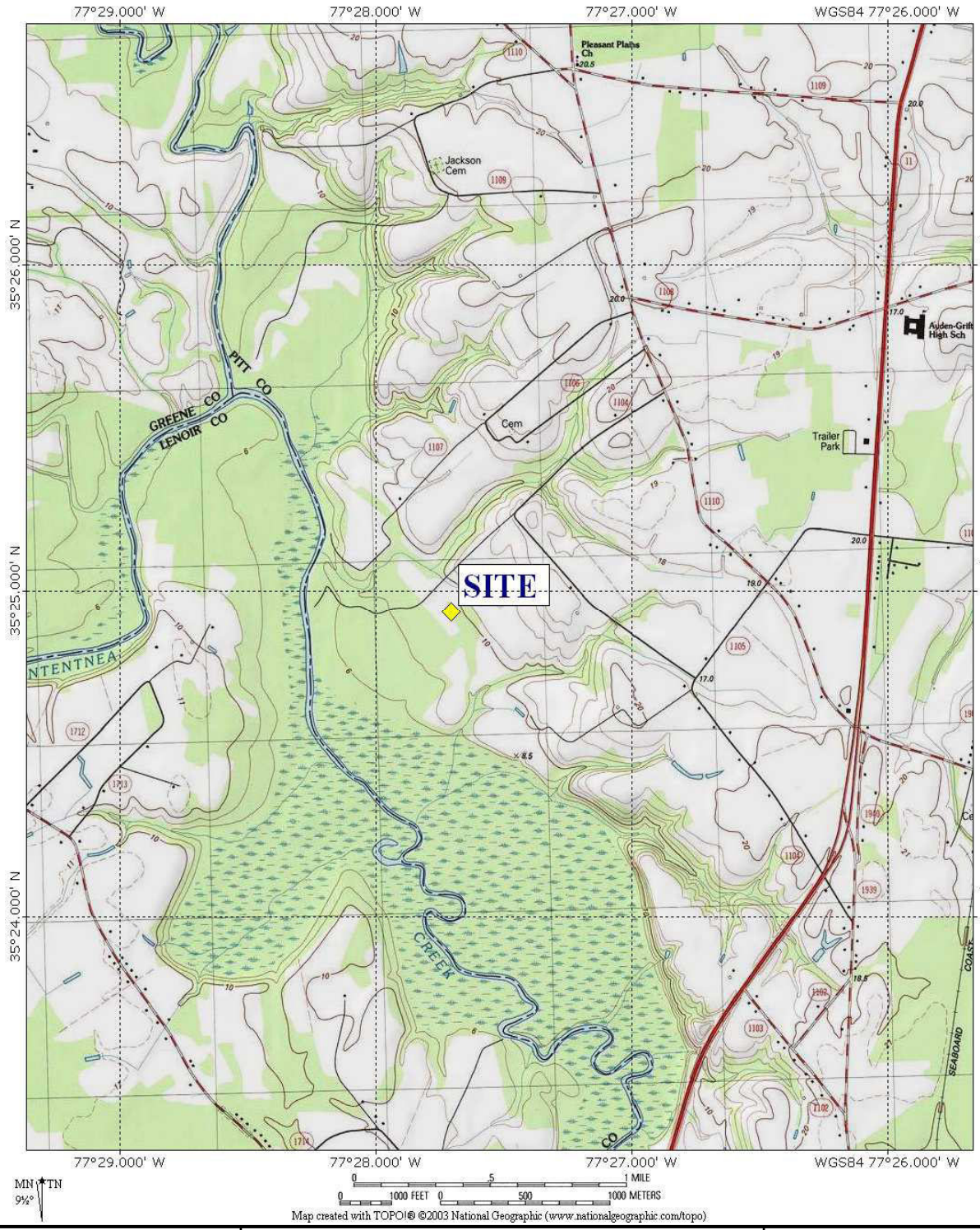
Prepared By:
Mineral Springs Environmental, P.C.

Kirk B. Pollard, L.G.
President

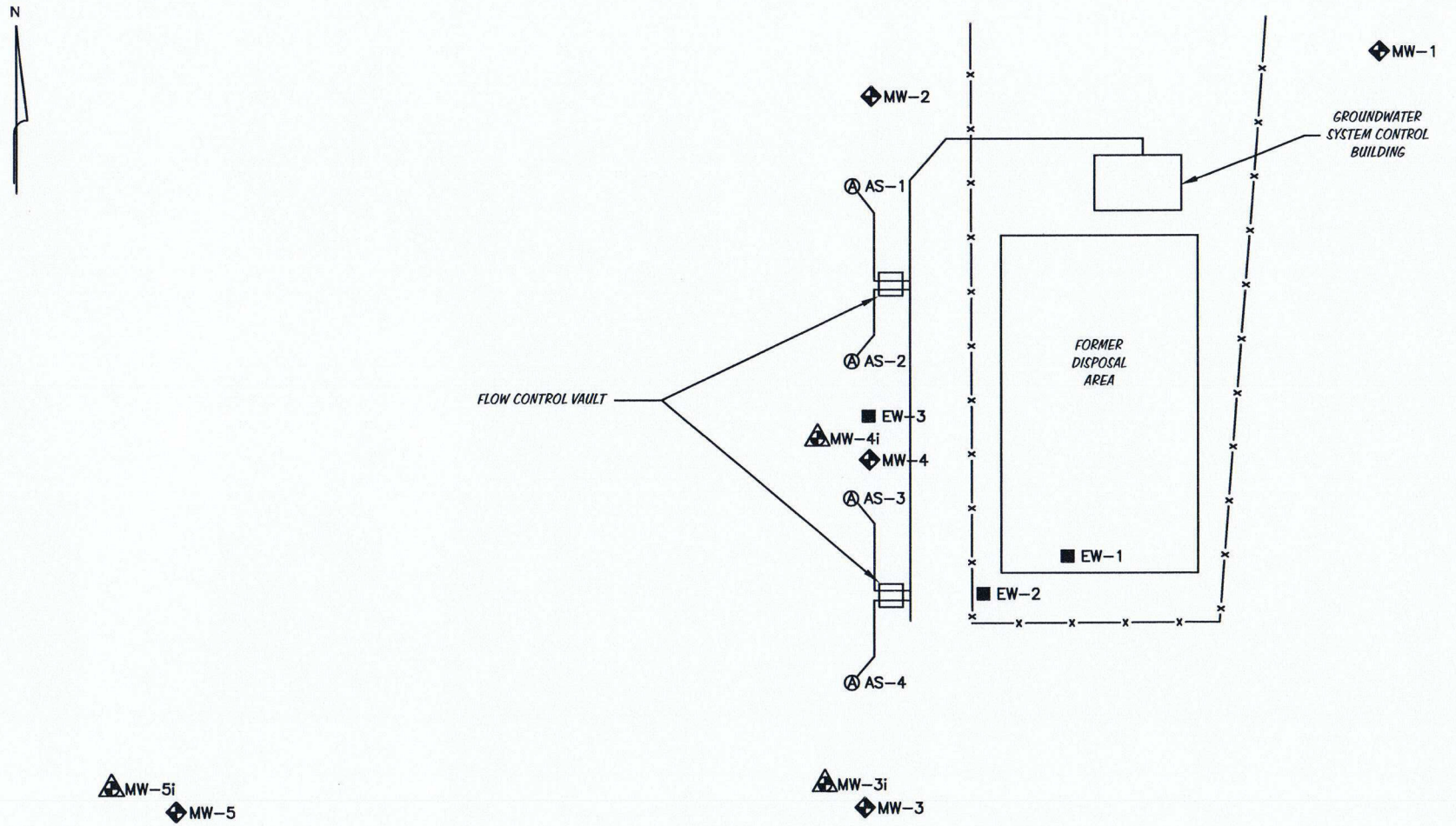
NORTH CAROLINA LICENSED SEAL 1323 GEOLOGIST KIRK B. POLLARD

DRAWINGS

MINERAL SPRINGS environmental, p.c.



Date: May 2005	TOPOGRAPHIC SITE MAP AYDEN DISPOSAL SITE PITT COUNTY SCHOOLS AYDEN, NORTH CAROLINA	MINERAL SPRINGS environmental, p.c.
Job No.: MSE 106		
File: 106/Pitt Co. Topo		
By: KR		DRAWING NO. 1



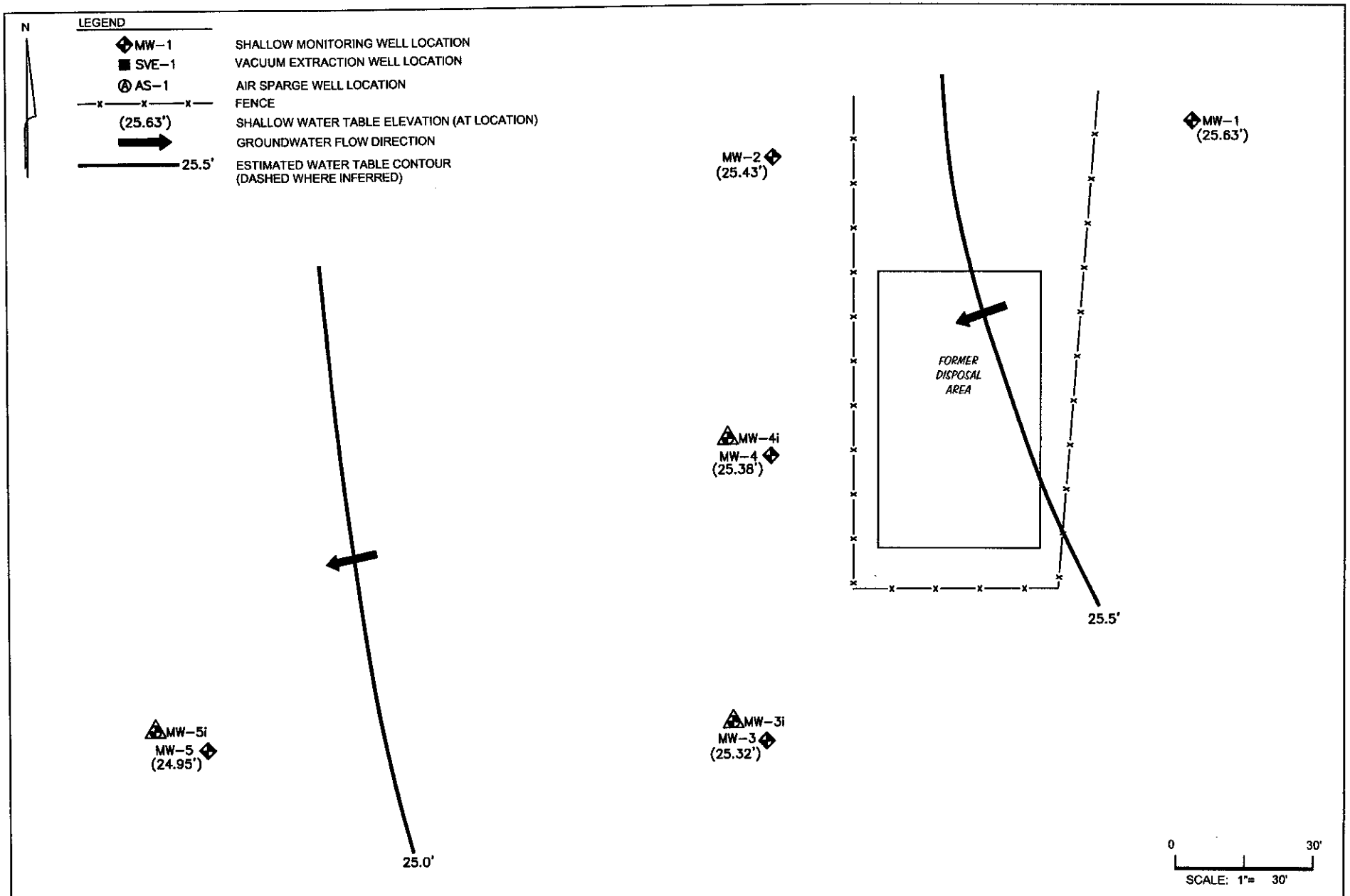
LEGEND

MW-1	SHALLOW MONITORING WELL LOCATION
MW-1i	INTERMEDIATE MONITORING WELL LOCATION
SVE-1	VACUUM EXTRACTION WELL LOCATION
AS-1	AIR SPARGE WELL LOCATION
—x—x—x—	FENCE

0 30'
SCALE: 1"= 30'

CAD DATE: MAY 2006	SITE MAP AYDEN DISPOSAL SITE- PITT COUNTY SCHOOLS AYDEN, NORTH CAROLINA
PROJECT NO: MSE106	
CAD FILE: MSE-106-017	
DRAWN BY: LOT	
APPROVAL:	
REFERENCE:	DRAWING NO: 2

MINERAL SPRINGS environmental, p.c.



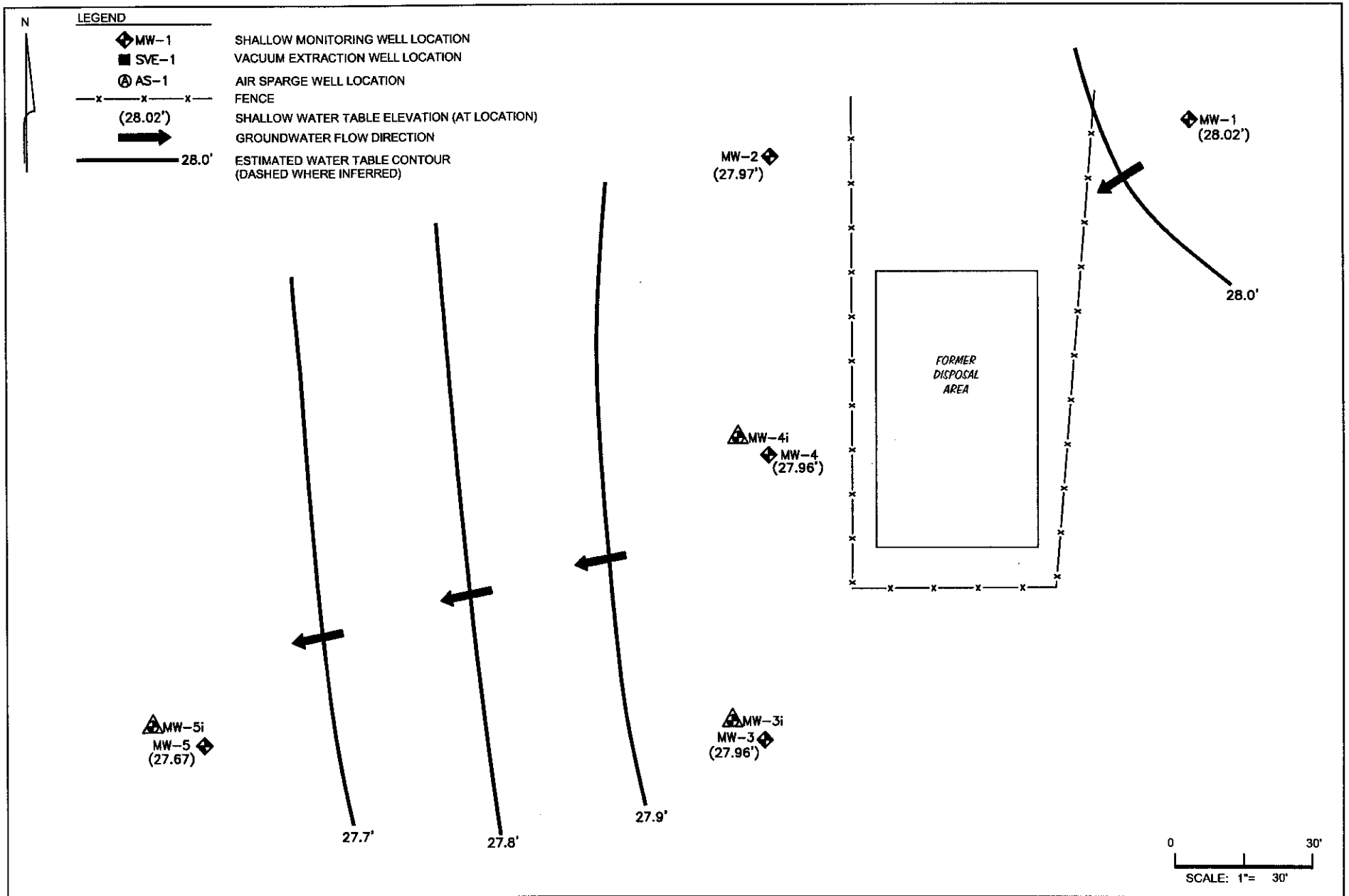
CAD DATE:	APRIL 2016
PROJECT NO:	MSE106
CAD FILE:	MSE-106-072
DRAWN BY:	BAM
APPROVAL:	

SHALLOW WATER TABLE
CONTOUR MAP (9/28/15)
AYDEN DISPOSAL SITE-
PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA

MINERAL SPRINGS environmental, p.c.

REFERENCE: MSE FIELD NOTES.

DRAWING NO: 3



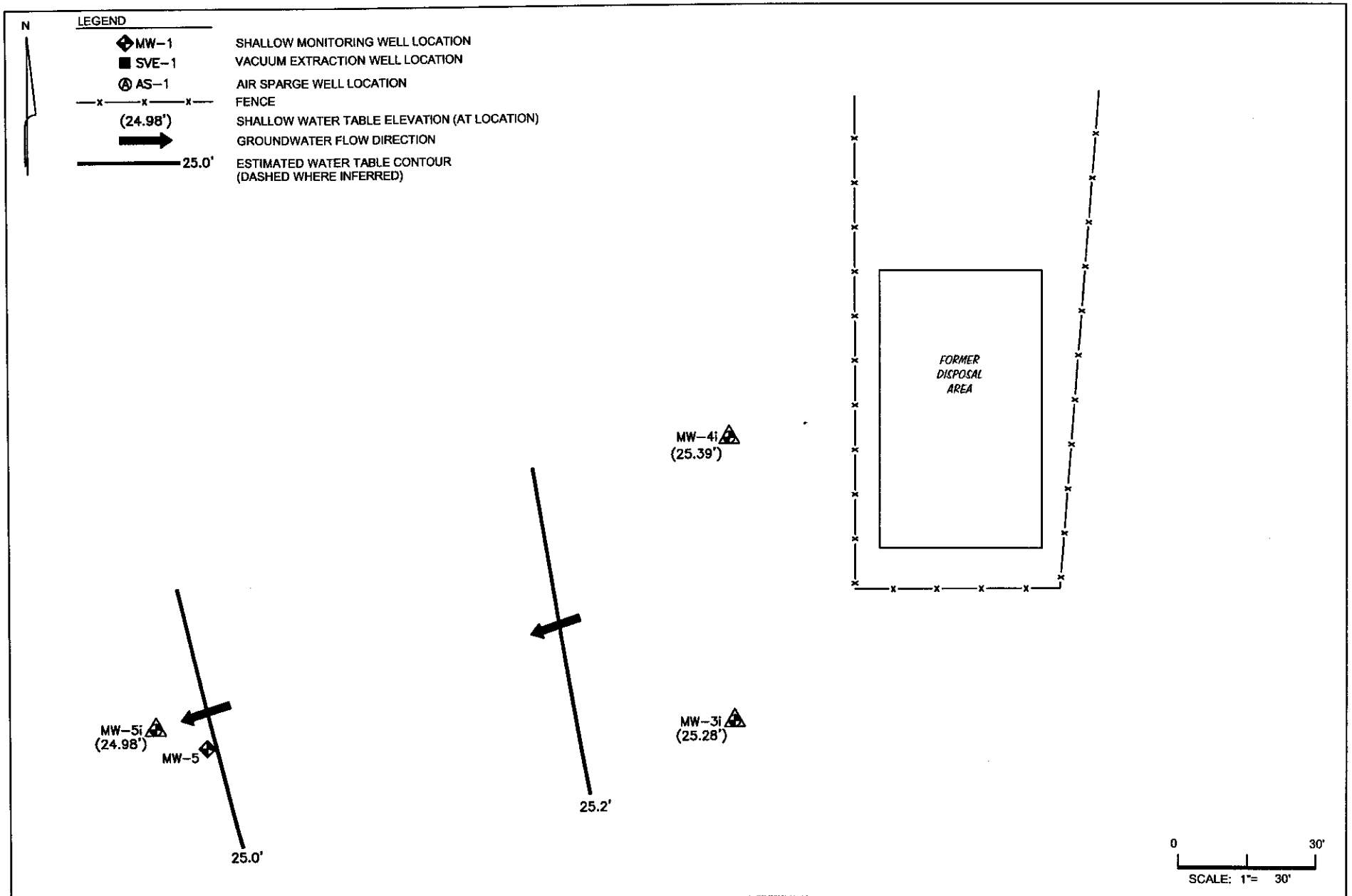
CAD DATE:	APRIL 2016
PROJECT NO:	MSE106
CAD FILE:	MSE-106-073
DRAWN BY:	BAM
APPROVAL:	

SHALLOW WATER TABLE CONTOUR MAP (3/18/16)
AYDEN DISPOSAL SITE-
PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA

MINERAL SPRINGS environmental, p.c.

REFERENCE: MSE FIELD NOTES.

DRAWING NO: 4



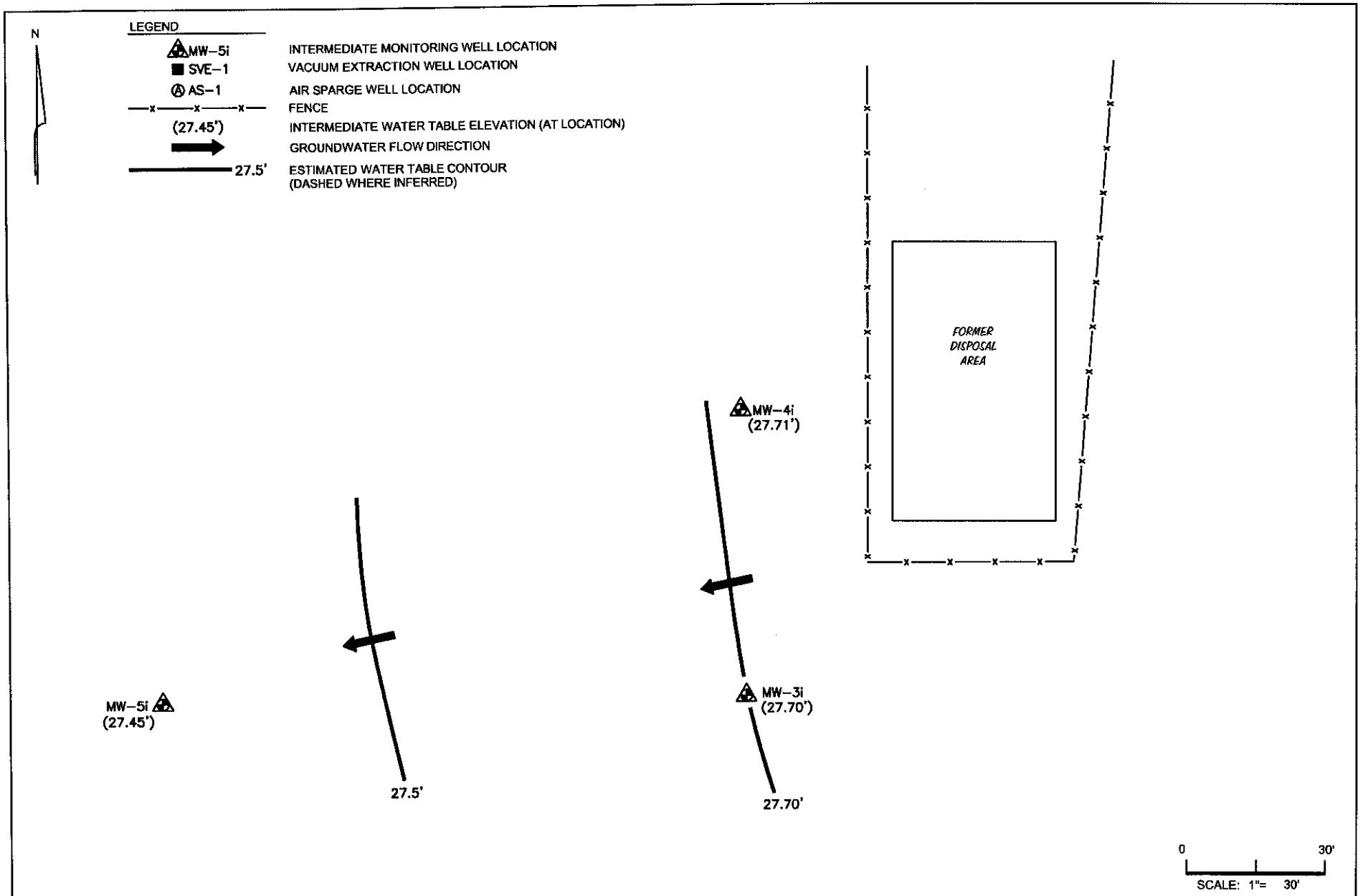
CAD DATE:	APRIL 2016
PROJECT NO:	MSE106
CAD FILE:	MSE-106-074
DRAWN BY:	BAM
APPROVAL:	

INTERMEDIATE WATER TABLE
CONTOUR MAP (9/28/15)
AYDEN DISPOSAL SITE-
PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA

MINERAL SPRINGS environmental, p.c.

REFERENCE: MSE FIELD NOTES.

DRAWING NO: 5



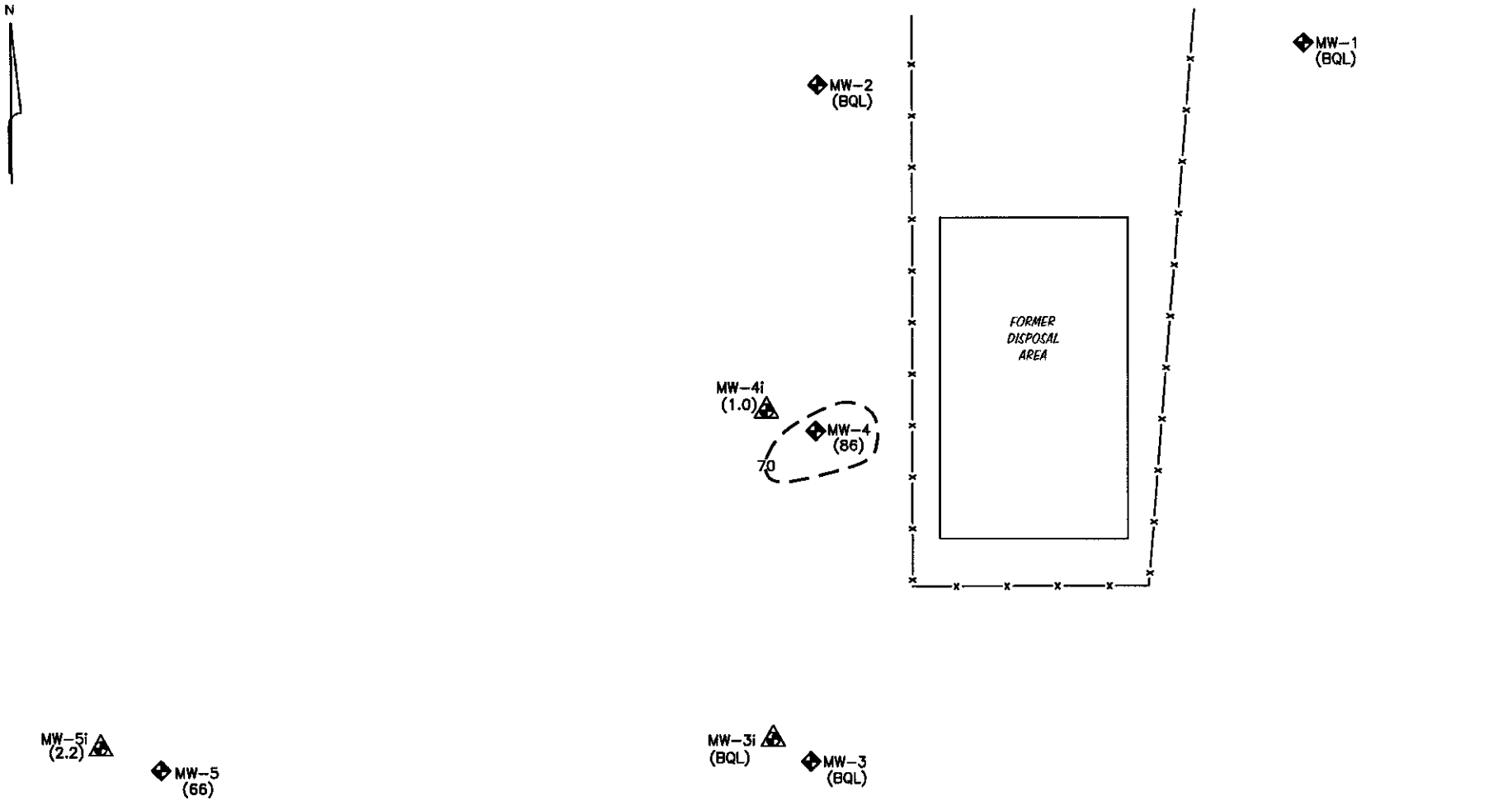
CAD DATE:	APRIL 2016
PROJECT NO:	MSE106
CAD FILE:	MSE-106-075
DRAWN BY:	BAM
APPROVAL:	

INTERMEDIATE WATER TABLE
CONTOUR MAP (3/18/16)
AYDEN DISPOSAL SITE-
PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA

MINERAL SPRINGS environmental, p.c.

REFERENCE:

DRAWING NO: 6



LEGEND

MW-1	SHALLOW MONITORING WELL LOCATION
MW-1i	INTERMEDIATE MONITORING WELL LOCATION
SVE-1	VACUUM EXTRACTION WELL LOCATION
AS-1	AIR SPARGE WELL LOCATION
—x—x—x—	FENCE
(BQL)	BELOW QUANTITATION LIMIT
(86)	CIS 1,2 DCE CONCENTRATION (AT LOCATION) (ug/L)

0 30'
SCALE: 1"= 30'

CAD DATE:	APRIL 2016
PROJECT NO:	MSE106
CAD FILE:	MSE-106-076
DRAWN BY:	BAM
APPROVAL:	

CIS 1,2-DICHLOROETHENE
ISOCONCENTRATION MAP (3/18/16)
AYDEN DISPOSAL SITE-
PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA

MINERAL SPRINGS environmental, p.c.

REFERENCE: MSE FIELD NOTES.

DRAWING NO: 7

TABLES

MINERAL SPRINGS environmental, p.c.

TABLE 1
GROUNDWATER ELEVATION DATA
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Well No.	Well Depth (ft TOC)	Screen Interval (ft BLS)	Top of Casing Elevation (ft MSL)	Depth to Groundwater (ft TOC)		Groundwater Elevation (ft MSL)	
				9/28/2015	3/18/2016	9/28/2015	3/18/2016
MW-1	16.32	4.1 - 14.1	35.05	9.42	7.03	25.63	28.02
MW-2	16.57	4.4 - 14.4	34.57	9.14	6.60	25.43	27.97
MW-3	15.98	4 - 14	33.57	8.25	5.61	25.32	27.96
MW-3i	41.66	28 - 39	34.58	9.30	6.88	25.28	27.70
MW-4	17.14	5 - 15	34.14	8.76	6.18	25.38	27.96
MW-4i	41.28	27 - 39	34.88	9.49	7.17	25.39	27.71
MW-5	17.20	5 - 15	32.17	7.22	4.50	24.95	27.67
MW-5i	42.65	30.5 - 40.5	31.89	6.91	4.44	24.98	27.45

Notes:

ft MSL = feet above mean sea level

ft TOC = feet below top of casing

ft BLS = feet below land surface

TABLE 2
CONCENTRATION OF SELECTED CONSTITUENTS IN GROUNDWATER
MARCH 2016 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Constituent	Analytical Result (ug/L)								NCGWQS (ug/L)
	MW-1	MW-2	MW-3	MW-3i	MW-4	MW-4i	MW-5	MW-5i	
1,1-Dichloroethane	BQL	BQL	BQL	BQL	0.67J	BQL	BQL	BQL	700
cis-1,2-Dichloroethene	BQL	BQL	BQL	BQL	**86**	1.00	66	2.2	70
trans 1,2-dichloroethene	BQL	BQL	BQL	BQL	0.92J	BQL	BQL	BQL	100
Trichloroethene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.8
Tetrachloroethene	BQL	BQL	BQL	BQL	0.92J	BQL	BQL	BQL	0.7

Notes:
ug/L - micrograms per liter
J- Detected below the quantitation limit
NCGWQS - North Carolina Groundwater Quality Standard
BOLD = Exceedance of regulatory limit

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-1)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

PARAMETER	1991				1992			1993		1995		1996		1997	1998	
	2/13	5/17	9/9	12/17	3/31	7/22	10/9	1/13	7/20	1/10	6/14	6/4	12/16	9/4	3/27	9/21
Volatiles (µg/L)																
Acetone	BDL	BDL	BDL	BDL	BDL	40	BDL	BDL	BDL	24	7.8J	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	120	BDL	BDL	BDL	5.5J	7.4J	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	BDL
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	31	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.5J	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	2J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																
bis (2-Ethylhexyl) phthalate	BDL	BDL	3J	BDL	BDL	3J	BDL	BDL	3J	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	BDL	BDL	4J	BDL	4JB	3JB	1J	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-1 Cont.)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/25	11/11	6/15	9/26	3/19	6/29	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL	1.48	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.88	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.42 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.84 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
[redacted]																						
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-2)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1991				1992			1993		1995		1996		1997
	2/13	5/17	9/9	12/17	3/31	7/22	10/9	1/13	7/20	1/10	6/14	6/4	12/16	9/4
Volatiles (µg/L)														
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL	BDL
Benzene	BDL	BDL	BDL	2J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.9J	12	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.5J	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	9	4J	3J	BDL	5J	8	BDL	2.2J	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.9J	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)														
bis (2-Ethylhexyl) phthalate	BDL	BDL	4J	BDL	BDL	2J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	2JB	2JB	BDL	6J	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-2 Continued)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1998		1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/27	9/21	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																								
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	1.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.57	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	5	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	0.33J	BDL	0.36J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.73 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																								
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-3)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1991				1992			1993		1995		1996		1997
	2/13	5/17	9/9	12/17	3/31	7/22	10/9	1/13	7/20	1/10	6/14	6/4	12/16	9/4
Volatiles (µg/L)														
Acetone	BDL	BDL	BDL	BDL	BDL	850	BDL	BDL	BDL	9.7J	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	3600	BDL	BDL	BDL	BDL	BDL	6.7	BDL	BDL
Trans-1,2-Dichlorothene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	25	14	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL	BDL
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	6	23	9	4J	BDL	BDL	BDL	BDL	BDL	3.9J	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)														
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	4J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	2JB	3JB	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-3 Continued)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1998		1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/27	9/21	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																								
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	300	16	8	BDL	BDL	BDL	BDL	BDL	BDL	0.93J	0.53 J	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trans-1,2-Dichlorothene	-	-	-	-	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethybenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.48 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																								
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL	Below Laboratory Practical Quantitation Limit
µg/L	Micrograms per Liter
NA	Not Analyzed for this Constituent
J	Estimated Concentration - Below Calibration Range
B	Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-3i)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1992			1993		1994		1995		1996	
		7/22	10/9	1/13	7/20	1/25	6/14	1/10	6/14	6/4	12/16
Volatiles (µg/L)											
Acetone	BDL	19	BDL	2J	BDL	BDL	BDL	BDL	7.3J	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.6J	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8J	BDL	BDL
cis-1,2-Dichloroethene	BDL	3J	BDL	BDL	BDL	BDL	BDL	BDL	200	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.3J	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	BDL	BDL	BDL	BDL	2J	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	7	BDL	BDL	12	BDL	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	4J	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	19.4	BDL	BDL
Semi-Volatiles (µg/L)											
bis (2-Ethylhexyl) phthalate	BDL	3J	2J	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL
Di-n-butylphthalate	BDL	1JB	2JB	BDL	2J	BDL	5JB	BDL	BDL	BDL	BDL

Note:
BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-3i Continued)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1997	1998		1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	9/4	3/27	9/21	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	0.57	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,100	BDL	BDL	BDL	2.26	1.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.75 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.48	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																									
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:
BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-4)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1992			1993		1994		1995		1996		1997
	3/31	7/22	10/9	1/14	7/20	1/25	6/14	1/10	6/14	6/4	12/16	9/4
Volatiles (µg/L)												
Acetone	BDL	BDL	BDL	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	26	BDL	BDL	BDL	BDL	22J	2J	58J	BDL	42	28	BDL
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	770	3200	670	350	2000	590	110	2700	2000	2807.8	2606.4	3,700
Trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	49	230	BDL	6J	81J	12J	BDL	BDL	41J	7.3	BDL	BDL
Isopropyl Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	10J	BDL	BDL	BDL	BDL	BDL	8	BDL	63J	8.8	BDL	BDL
Toluene	10J	35J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	20J	3J	BDL	BDL	44	12	BDL
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	420	1800	62	28	370	8J	1J	BDL	100J	5.6	BDL	BDL
Semi-Volatiles (µg/L)												
bis (2-Ethylhexyl) phthalate	BDL	4J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	2JB	3JB	4J	BDL	4J	3JB	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-4)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1998			1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013	2015	2016
	3/27	9/21*	9/21**	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/13	3/18	3/18
Volatiles (µg/L)																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	0.5J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	30E	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	3.4	4.8	BDL	1	1.2	0.81J	0.69J	2.2J	0.67J
1,1-Dichloroethene	BDL	0.6J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	1,600	1,000J	1,000	2,000	110	1,800	2,700	4,700	4200	1,100	4,200	400	730	832	1,960	2,240	285	213	121	98	190	150	110	480	86
Trans-1,2-Dichloroethene	BDL	33	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.7	3.7	BDL	6	17	9	4	BDL	0.45J
Ethylbenzene	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropyl Benzene	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18.4J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	160J	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	16	130	12.4J	BDL	7.2	2.4	20.5	18.1	15	5.6	0.97J	0.92J	BDL	0.92J
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	81	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.6J	BDL	BDL	BDL	BDL	3.7	BDL	1.9	1.3	0.44J	BDL	BDL	BDL
Vinyl Chloride	BDL	0.8J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																									
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:
BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-4i)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1992			1993		1994		1995		1996		1997	1998	
	3/31	7/22	10/9	1/14	7/20	1/25	6/14	1/10	6/14	6/4	2/16-1	9/4	3/27	9/21
Volatiles (µg/L)														
Acetone	BDL	40	BDL	BDL	BDL	BDL	2J	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.6J	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	22	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.2J	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	2J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	3J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)														
bis (2-Ethylhexyl) phthalate	BDL	3J	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	1JB	4JB	BDL	BDL	3J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-4i)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	0.77	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	13	21	25	43	20	38	30	26	19	4.64	14.7	10.6	86	16.1	13.9	11.3	7.5	3.8	4.1	3.9	3.4	1
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.61 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																						
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	180	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL	Below Laboratory Practical Quantitation Limit
µg/L	Micrograms per Liter
NA	Not Analyzed for this Constituent
J	Estimated Concentration - Below Calibration Range
B	Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-5)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1992	1993		1994		1995		1996		1997	1998		
	10/27	1/15	7/20	1/25	6/14	1/10	6/14	6/4	12/16	9/4	3/27	9/21*	9-21**
Volatiles (µg/L)													
Acetone	BDL	82	BDL	BDL	12	BDL	8J	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	4J	BDL	28	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	9J	BDL	BDL	BDL	2J	9.5J	BDL	15	6.4	BDL	BDL	7	BDL
cis-1,2-Dichloroethene	390	340	17	7	70	370	80	560	330	680	520	410J	320
Trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7	BDL
Ethylbenzene	40	13	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl-tertiary-butyl ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	10	17	30	BDL	13	BDL	BDL	BDL	6	BDL
Toluene	6J	2JB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	2J	5	11J	BDL	13	12	BDL	BDL	24	BDL
Xylenes	270	78	5J	BDL	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)													
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	2JB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butylphthalate	BDL	BDL	BDL	4JB	2JB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-5 Continued)
MARCH 2009 ANNUAL GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	BDL	BDL	150	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.40J	BDL	BDL	BDL
cis-1,2-Dichloroethene	420	72	430	600	2400	1500	1300	2000	1300	574	460	720	135	135	170	0.810J	3.1	41	74	34	300	66
Trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18.4J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl-tertiary-butyl ether	BDL	BDL	BDL	230	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.650J	0.88J	0.41J	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.6J	10.4J	BDL	BDL	BDL	BDL	BDL	BDL	0.40J	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																						
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-5i)
MARCH 2009 GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1992	1993		1994		1995		1996		1997	1998	
	10/27	1/15	7/20	1/25	6/14	1/10	6/14	6/4	12/16	9/4	3/27	9/21
Volatiles (µg/L)												
Acetone	BDL	BDL	BDL	BDL	6J	6.1J	44	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	37	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	97	BDL
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	1J	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	3J	3J	2J	3J	7	15	57	19	46	BDL	13	8
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	2.4J	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	3J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	3J	BDL	BDL	1J	BDL	4.8J	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)												
bis (2-Ethylhexyl) phthalate	4J	BDL	BDL	BDL	36B	BDL	BDL	BDL	13	BDL	BDL	BDL
Di-n-butylphthalate	19B	2J	1J	2J	2JB	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

TABLE 3
GROUNDWATER HISTORICAL ANALYTICAL RESULTS (MW-5i) Continued
MARCH 2009 GROUNDWATER MONITORING REPORT
AYDEN DISPOSAL SITE - PITT COUNTY SCHOOLS
AYDEN, NORTH CAROLINA
MSE JOB NO. 106

Parameter	1999		2000		2001		2002		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	3/25	11/11	6/15	9/26	3/19	9/26	3/27	9/25	3/25	3/1	3/9	3/16	3/5	3/13	3/31	3/9	3/14	3/5	3/13	3/21	3/18	3/18
Volatiles (µg/L)																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	1.75	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	12	7	9	9	10	4	8	43	5	33.7	8.93	28.4	58	4.97	1.95	2.32	3.5	1.6	5.8	2	1.8	2.2
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.28J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.340J	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38J	0.9J	0.3 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Semi-Volatiles (µg/L)																						
bis (2-Ethylhexyl) phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

BDL Below Laboratory Practical Quantitation Limit
µg/L Micrograms per Liter
NA Not Analyzed for this Constituent
J Estimated Concentration - Below Calibration Range
B Constituent Detected in Blank

APPENDICES

MINERAL SPRINGS environmental, p.c.

APPENDIX A

GROUNDWATER LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

Wednesday, March 30, 2016
Mineral Springs Environmental (MI017)
Attn: Kirk Pollard
4600 Mineral Springs Lane
Raleigh, NC 27616

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Pitt Co.
ENCO Workorder(s): CZ03914

Dear Kirk Pollard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, March 21, 2016.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Bill Scott

Project Manager

Enclosure(s)

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1 **Lab ID: CZ03914-01** **Sampled: 03/18/16 10:05** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 14:38

Client ID: MW-2 **Lab ID: CZ03914-02** **Sampled: 03/18/16 11:00** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 15:07

Client ID: MW-3 **Lab ID: CZ03914-03** **Sampled: 03/18/16 15:00** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 15:37

Client ID: MW-3i **Lab ID: CZ03914-04** **Sampled: 03/18/16 14:10** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 16:06

Client ID: MW-4 **Lab ID: CZ03914-05RE1** **Sampled: 03/18/16 11:50** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/24/16 08:54	03/24/16 17:36

Client ID: MW-4i **Lab ID: CZ03914-06** **Sampled: 03/18/16 12:50** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 17:05

Client ID: MW-5 **Lab ID: CZ03914-07RE1** **Sampled: 03/18/16 17:20** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/24/16 08:54	03/24/16 18:06

Client ID: MW-5i **Lab ID: CZ03914-08** **Sampled: 03/18/16 16:15** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 18:05

Client ID: Trip Blank **Lab ID: CZ03914-09** **Sampled: 03/18/16 10:05** **Received: 03/21/16 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/01/16	03/21/16 15:52	03/22/16 13:38

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

SAMPLE DETECTION SUMMARY

Client ID: MW-4 **Lab ID: CZ03914-05RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	0.67	J	0.13	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	86		0.15	1.0	ug/L	EPA 8260B	
Tetrachloroethene	0.92	J	0.17	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.45	J	0.21	1.0	ug/L	EPA 8260B	

Client ID: MW-4i **Lab ID: CZ03914-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.0		0.15	1.0	ug/L	EPA 8260B	

Client ID: MW-5 **Lab ID: CZ03914-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	66		0.15	1.0	ug/L	EPA 8260B	

Client ID: MW-5i **Lab ID: CZ03914-08**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	2.2		0.15	1.0	ug/L	EPA 8260B	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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ANALYTICAL RESULTS

Description: MW-1 | **Lab Sample ID:** CZ03914-01 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 10:05 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	

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ANALYTICAL RESULTS

Description: MW-1 | **Lab Sample ID:** CZ03914-01 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 10:05 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 14:38	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 14:38*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 14:38*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 14:38*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-2 | **Lab Sample ID:** CZ03914-02 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 11:00 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	

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ANALYTICAL RESULTS

Description: MW-2 | **Lab Sample ID:** CZ03914-02 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 11:00 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 15:07	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 15:07*	*MSZ*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 15:07*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 15:07*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-3 | **Lab Sample ID:** CZ03914-03 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 15:00 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	

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ANALYTICAL RESULTS

Description: MW-3 | **Lab Sample ID:** CZ03914-03 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 15:00 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 15:37	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 15:37*	*MSZ*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 15:37*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 15:37*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-3i | **Lab Sample ID:** CZ03914-04 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 14:10 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	

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ANALYTICAL RESULTS

Description: MW-3i
Matrix: Water
Project: Pitt Co.

Lab Sample ID: CZ03914-04
Sampled: 03/18/16 14:10
Sampled By: Jimmy Hair

Received: 03/21/16 10:00
Work Order: CZ03914

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 16:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 16:06*	*MSZ*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 16:06*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 16:06*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-4 | **Lab Sample ID:** CZ03914-05 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 11:50 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1-Dichloroethane [75-34-3]^	**0.67**	J	ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**86**		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	

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ANALYTICAL RESULTS

Description: MW-4 | **Lab Sample ID:** CZ03914-05 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 11:50 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Tetrachloroethene [127-18-4]^	**0.92**	J	ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	**0.45**	J	ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C24028	EPA 8260B	03/24/16 17:36	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-136*	*6C24028*	*EPA 8260B*	*03/24/16 17:36*	*MSZ*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*67-129*	*6C24028*	*EPA 8260B*	*03/24/16 17:36*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*59-134*	*6C24028*	*EPA 8260B*	*03/24/16 17:36*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-4i | **Lab Sample ID:** CZ03914-06 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 12:50 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**1.0**		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	

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ANALYTICAL RESULTS

Description: MW-4i | **Lab Sample ID:** CZ03914-06 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 12:50 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 17:05	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 17:05*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 17:05*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 17:05*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-5 | **Lab Sample ID:** CZ03914-07 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 17:20 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**66**		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	

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ANALYTICAL RESULTS

Description: MW-5 | **Lab Sample ID:** CZ03914-07 | **Received:** 03/21/16 10:00

Matrix: Water | **Sampled:** 03/18/16 17:20 | **Work Order:** CZ03914

Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C24028	EPA 8260B	03/24/16 18:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-136*	*6C24028*	*EPA 8260B*	*03/24/16 18:06*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*105 %*	*67-129*	*6C24028*	*EPA 8260B*	*03/24/16 18:06*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*59-134*	*6C24028*	*EPA 8260B*	*03/24/16 18:06*	*MSZ*	

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ANALYTICAL RESULTS

Description: MW-5i | **Lab Sample ID:** CZ03914-08 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 16:15 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	**2.2**		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	

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ANALYTICAL RESULTS

Description: MW-5i | **Lab Sample ID:** CZ03914-08 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 16:15 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** Jimmy Hair

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 18:05	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 18:05*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 18:05*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 18:05*	*MSZ*	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ03914-09 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 10:05 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1,1-Trichloroethane [71-55-6]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1,2-Trichloroethane [79-00-5]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1-Dichloroethane [75-34-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1-Dichloroethene [75-35-4]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,1-Dichloropropene [563-58-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2,3-Trichlorobenzene [87-61-6]^	ND		ug/L	1	0.012	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2,3-Trichloropropane [96-18-4]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2,4-Trichlorobenzene [120-82-1]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2,4-Trimethylbenzene [95-63-6]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2-Dibromoethane [106-93-4]^	ND		ug/L	1	0.66	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2-Dichlorobenzene [95-50-1]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2-Dichloroethane [107-06-2]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,2-Dichloropropane [78-87-5]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,3,5-Trimethylbenzene [108-67-8]^	ND		ug/L	1	0.30	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,3-Dichlorobenzene [541-73-1]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,3-Dichloropropane [142-28-9]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
1,4-Dichlorobenzene [106-46-7]^	ND		ug/L	1	0.19	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
2,2-Dichloropropane [594-20-7]^	ND		ug/L	1	0.28	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
2-Butanone [78-93-3]^	ND		ug/L	1	1.3	5.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
2-Chloroethyl Vinyl Ether [110-75-8]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
2-Chlorotoluene [95-49-8]^	ND		ug/L	1	0.081	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
2-Hexanone [591-78-6]^	ND		ug/L	1	0.88	5.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
4-Chlorotoluene [106-43-4]^	ND		ug/L	1	0.068	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
4-Isopropyltoluene [99-87-6]^	ND		ug/L	1	0.085	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
4-Methyl-2-pentanone [108-10-1]^	ND		ug/L	1	1.1	5.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Benzene [71-43-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Bromobenzene [108-86-1]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Bromochloromethane [74-97-5]^	ND		ug/L	1	0.48	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Bromodichloromethane [75-27-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Bromoform [75-25-2]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Bromomethane [74-83-9]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Carbon disulfide [75-15-0]^	ND		ug/L	1	1.5	5.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Carbon tetrachloride [56-23-5]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Chlorobenzene [108-90-7]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Chloroethane [75-00-3]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Chloroform [67-66-3]^	ND		ug/L	1	0.18	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Chloromethane [74-87-3]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
cis-1,2-Dichloroethene [156-59-2]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
cis-1,3-Dichloropropene [10061-01-5]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Dibromochloromethane [124-48-1]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Dibromomethane [74-95-3]^	ND		ug/L	1	0.27	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Dichlorodifluoromethane [75-71-8]^	ND		ug/L	1	0.20	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Ethylbenzene [100-41-4]^	ND		ug/L	1	0.13	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Hexachlorobutadiene [87-68-3]^	ND		ug/L	1	0.22	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	

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ANALYTICAL RESULTS

Description: Trip Blank | **Lab Sample ID:** CZ03914-09 | **Received:** 03/21/16 10:00
Matrix: Water | **Sampled:** 03/18/16 10:05 | **Work Order:** CZ03914
Project: Pitt Co. | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3]^	ND		ug/L	1	0.054	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Isopropylbenzene [98-82-8]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
m,p-Xylenes [108-38-3/106-42-3]^	ND		ug/L	1	0.17	2.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Methylene chloride [75-09-2]^	ND		ug/L	1	0.23	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Methyl-tert-Butyl Ether [1634-04-4]^	ND		ug/L	1	0.16	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Naphthalene [91-20-3]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
n-Butyl Benzene [104-51-8]^	ND		ug/L	1	0.058	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
n-Propyl Benzene [103-65-1]^	ND		ug/L	1	0.12	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
o-Xylene [95-47-6]^	ND		ug/L	1	0.065	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
sec-Butylbenzene [135-98-8]^	ND		ug/L	1	0.10	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Styrene [100-42-5]^	ND		ug/L	1	0.11	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
tert-Butylbenzene [98-06-6]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Tetrachloroethene [127-18-4]^	ND		ug/L	1	0.17	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Toluene [108-88-3]^	ND		ug/L	1	0.14	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
trans-1,2-Dichloroethene [156-60-5]^	ND		ug/L	1	0.21	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
trans-1,3-Dichloropropene [10061-02-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Trichloroethene [79-01-6]^	ND		ug/L	1	0.15	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Trichlorofluoromethane [75-69-4]^	ND		ug/L	1	0.24	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Vinyl chloride [75-01-4]^	ND		ug/L	1	0.32	1.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	
Xylenes (Total) [1330-20-7]^	ND		ug/L	1	0.45	3.0	6C21025	EPA 8260B	03/22/16 13:38	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-136*	*6C21025*	*EPA 8260B*	*03/22/16 13:38*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*67-129*	*6C21025*	*EPA 8260B*	*03/22/16 13:38*	*MSZ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*59-134*	*6C21025*	*EPA 8260B*	*03/22/16 13:38*	*MSZ*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C21025 - EPA 5030B_MS

Blank (6C21025-BLK1) Prepared: 03/21/2016 15:52 Analyzed: 03/22/2016 11:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.1	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Hexachlorobutadiene	0.22	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C21025 - EPA 5030B_MS - Continued

Blank (6C21025-BLK1) Continued Prepared: 03/21/2016 15:52 Analyzed: 03/22/2016 11:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*91*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*59-134*			

LCS (6C21025-BS1) Prepared: 03/21/2016 15:52 Analyzed: 03/22/2016 11:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		104	75-133			
Benzene	21		1.0	ug/L	20.0		103	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	21		1.0	ug/L	20.0		104	74-119			
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*53-136*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*59-134*			

Matrix Spike (6C21025-MS1) Prepared: 03/21/2016 15:52 Analyzed: 03/22/2016 12:09

Source: CZ03979-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	99	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	102	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	93	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	105	74-119			
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-136*			
Dibromofluoromethane	*52*			*ug/L*	*50.0*		*104*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*59-134*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C21025 - EPA 5030B_MS - Continued

Matrix Spike Dup (6C21025-MSD1) Prepared: 03/21/2016 15:52 Analyzed: 03/22/2016 12:39

Source: CZ03979-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	98	75-133	1	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	98	81-134	4	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117	2	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-118	1	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	99	74-119	6	22	
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*48*			*ug/L*	*50.0*		*97*	*59-134*			

Batch 6C24028 - EPA 5030B_MS

Blank (6C24028-BLK1) Prepared: 03/24/2016 08:54 Analyzed: 03/24/2016 12:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.1	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C24028 - EPA 5030B_MS - Continued

Blank (6C24028-BLK1) Continued Prepared: 03/24/2016 08:54 Analyzed: 03/24/2016 12:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Hexachlorobutadiene	0.22	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*103*	*67-129*			
Toluene-d8	*50*			*ug/L*	*50.0*		*99*	*59-134*			

LCS (6C24028-BS1) Prepared: 03/24/2016 08:54 Analyzed: 03/24/2016 13:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			
Trichloroethene	21		1.0	ug/L	20.0		103	74-119			
4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*53-136*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*105*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*59-134*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 6C24028 - EPA 5030B_MS - Continued

Matrix Spike (6C24028-MS1) Prepared: 03/24/2016 08:54 Analyzed: 03/24/2016 13:58

Source: CZ04187-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	104	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	105	74-119			
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*53-136*			
Dibromofluoromethane	*53*			*ug/L*	*50.0*		*105*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*59-134*			

Matrix Spike Dup (6C24028-MSD1) Prepared: 03/24/2016 08:54 Analyzed: 03/24/2016 14:30

Source: CZ04187-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	99	75-133	6	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	102	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	93	83-117	0.9	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	90	71-118	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	99	74-119	6	22	
4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*53-136*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*67-129*			
Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*59-134*			

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
ND	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
P	Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.

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ENCO

ENVIRONMENTAL CONSERVATION LABORATORIES · CHAIN OF CUSTODY RECORD

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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Client Name: Mineral Springs Environmental (MI017)	Project Number: [none]
Address: 4600 Mineral Springs Lane	Project Name/Desc: Pitt Co.
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919)261-8186 Fax:	Reporting Contact: Kirk Pollard
Sampler(s) Name, Affiliation (Print): Jimmy Hair	Billing Contact: Kirk Pollard
Sampler(s) Signature: Jimmy Hair	Site Location / Time Zone:

Requested Analyses: 8260B,8260B Extended

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: CZ03914

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B,8260B Extended	Sample Comments
	MW-1	3-18-16	1005	G	WA	3	X	
	MW-2		1100		WA	3	X	
	MW-3		1500		WA	3	X	
	MW-3i		1410		WA	3	X	
	MW-4		1150		WA	3	X	
	MW-4i		1250		WA	3	X	
	MW-5		1720		WA	3	X	
	MW-5i		1615		WA	3	X	
	Trip Blank				WA	2	X	
					WA	3	X	

<-- Total # of Containers

Sample Kit Prepared By: AC	Date/Time	Relinquished By: Jimmy Hair	Date/Time: 3/21/16	Received By: [illegible]	Date/Time: 3/21/16 9:00
Comments/Special Reporting Requirements		Relinquished By: [illegible]	Date/Time: 3-21-16 10:00	Received By: [illegible]	Date/Time: 3-21-16 10:00
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-264		3.0°	Condition Upon Receipt: ✓ Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist