Environmental
Resources
Management

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March 20, 2013
140261

Ms. Addie Walker
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

ERM

Subject: Site Assessment Report
Former Ducane Facility
118 West Main Street
Blackville, South Carolina
SC DHEC Site #01356

Dear Ms. Walker:

On behalf of Allied Air Enterprises, ERM is pleased to submit the attached Ground Water and Soil Assessment Report for the Former Ducane Facility in Blackville, South Carolina.

Based on the results of the assessment, ERM recommends evaluating remedial alternatives for elevated contaminate concentrations in the MW-1/MW-7 area as well as the MW-3 area. Historically, bioremediation has been successful at reducing the mass of contaminants at the site. Data from this assessment will be used to determine a bioremediation strategy. The proposed remedial strategy will be provided in a workplan to be submitted to your attention.

ERM appreciates your assistance with this project. Please contact me at (843) 416-5129 if you have any questions or comments.

Sincerely,

Eric White, P.E.
Project Manager

Attachments

cc: Mr. Mark Yohman – Lennox International

Allied Air Enterprises

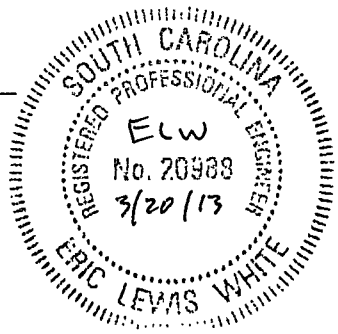
Ground Water and Soil Assessment Report

Site # 01356

Former Ducane Facility
Blackville, South Carolina

January 2013

Eric White, P.E
Project Manager



Jerry Prosser, P.G
Principal

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TABLE OF CONTENTS

1.0 INTRODUCTION

In response to letter correspondence received from the South Carolina Department of Health and Environmental Control (SCDHEC) dated November 3, 2010, January 25, 2011, and January 26, 2011, as well as telephone conversations with the SCDHEC, Environmental Resources Management (ERM) prepared a work plan to further investigate soil, surface water, and ground water conditions at the Allied Air Enterprises (Allied) facility, Site ID No. 01356, in Blackville, South Carolina. Following approval of the work plan by the SCDHEC, ERM attempted to gain access to offsite property to the south of the site. Access to the adjacent property was not obtained after dialog with the land owner by ERM as well as SCDHEC. Access issues created a delay in implementation of the work plan. The following report summarizes the activities performed at the site in September 2012. A topographic location map of the facility is shown in Figure 1.

2.0 SITE BACKGROUND

The site is approximately 105 acres with approximately 19 acres developed. A site layout map is provided as Figure 2. Main structures at the site include a production building approximately 375,000 square feet in size and a research and development building approximately 13,000 square feet in size. The site is currently owned by the City of Blackville and is currently being leased to NK Newlook Inc. who currently builds wooden commercial display cabinets at the facility.

Environmental assessments have identified the presence of contaminants in the surficial soils and shallow ground water across the site. The detected contaminants include chlorinated volatile organic compounds (CVOCs), including tetrachloroethene (PCE), trichloroethene (TCE), and associated degradation products. Petroleum hydrocarbons such as benzene, toluene, ethylbenzene, xylenes, (BTEX), and naphthalene also have been detected in ground water at the site.

A Corrective Action Plan (CAP) that proposed the use of in-situ chemical oxidation for ground water remediation was approved by SCDEHC in October 2001. Multiple chemical oxidation injections were performed at the site during the 2000's. In January 2011, SCDHEC asked for additional source soil and groundwater investigations to address possible data gaps in the areas surrounding MW-3 and MW-7.

2.1 SITE GEOLOGY AND HYDROGEOLOGY

The site is located within the Coastal Plain Physiographic province of South Carolina. The Coastal Plain stratigraphy beneath the site is approximately 1,000 feet thick. The crystalline basement complex beneath the Coastal Plain sediments is composed of

metamorphic and igneous rocks. The Coastal Plain sedimentary units directly above crystalline bedrock are of Late Cretaceous age. These sedimentary units consist of sand, silt, and clay and were deposited in predominantly deltaic and fluvial environments. Overlying the Late Cretaceous units are Tertiary-age sediments. These sediments vary in lithology as sand, silt, clay, and limestone, generally becoming progressively more calcareous in the southeast (downdip) direction. Deposition occurred in deltaic and shallow marine environments.

Nine or more aquifers are present in the Barnwell County area. Although all of the aquifers are utilized to some degree, those of the Middendorf and Black Creek Formations of Cretaceous age and the Santee Limestone and Congaree Formation of Tertiary age constitute the aquifers of principal use.

In addition, the site is located within a geomorphic feature known as a "Carolina Bay." A Carolina Bay is a large shallow oval depression in which ponds and marshes are often found. Clay layers often form in the bottom of these features. A generalized stratigraphic section of the shallow subsurface beneath the site, based on soil boring logs from the site, is presented below.

Generalized Local Stratigraphy

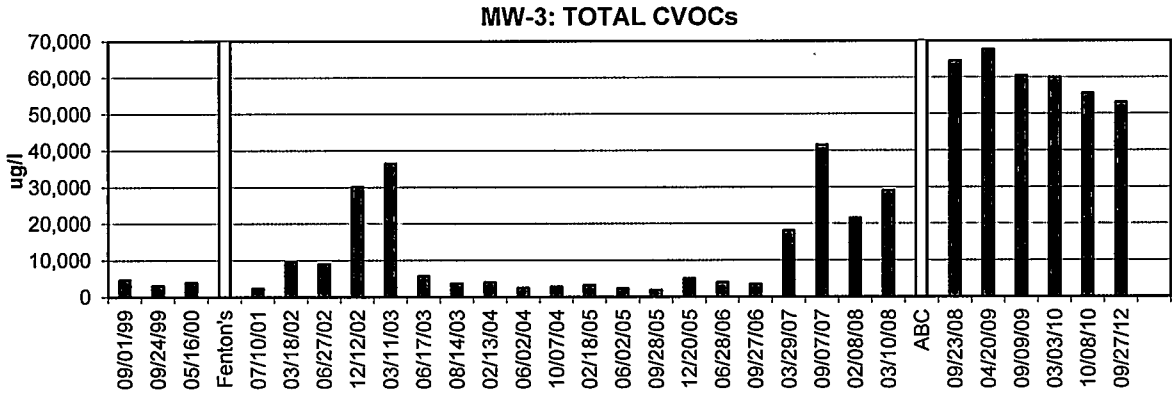
Depth	Description
0 to 8 feet BGL	Barnwell Formation - Surficial clay associated with sediment deposition within the Carolina Bay geomorphic feature. Generally 5 to 8 feet thick. Locally absent. Hydraulic conductivity of 10^{-7} cm/sec.
8 to >53 feet BGL	Barnwell Formation - Interbedded clayey sand, silty sand, silt, sand, and thin clay layers. The stratigraphy appears to generally become more sandy with depth. The surficial aquifer is hosted in this unit. Ground water velocity ranges from 19 to 49 feet/year.

There are 19 monitor wells located at the site. The depth to ground water at the site ranges from three to twelve feet below the ground surface. The water table occurs under semi-confined conditions. It is likely that infiltrating surface water is locally perched within the surficial clay unit. Well construction details are provided in Table 1. Ground water gauging data is summarized in Table 2. Ground water flows toward the north across the site as shown in Figures 3 and 4.

2.2 *SUMMARY OF SITE ASSESSMENT AND REMEDIAL ACTIVITIES*

Assessment and remedial activities have been performed at the Allied site since 1999. One pilot test and nine in-situ chemical oxidation/bio-remediation injections have been performed at the site. Chemical oxidation using Fenton's reagent and potassium permanganate were not found to be effective in reducing CVOC concentrations during the first two years of ground water remediation efforts. In general, CVOC concentrations rebounded following the potassium permanganate injections.

In-situ bioremediation began in July 2003. The most recent bioremediation event was conducted in April 2008 in the areas of MW-7, MW-3/3D, and MW-5 to promote additional mass reduction. Anaerobic BioChem (ABC), a bioremediation product, and ZVI were injected. Since in-situ bioremediation efforts began, PCE concentrations have been reduced in MW-7 from a high of 15,000 micrograms per liter (µg/L) to non-detectable concentrations in October 2010, and reduced in MW-5 from 2,710 µg/L in August 2004 to 70 µg/L in September 2012. For MW-3, PCE concentrations have reduced from 1,500 µg/L in April 2009 to non-detectable concentrations in September 2012; however, cis-1,2-dichloroethene concentrations have remained consistent at approximately 45,000 µg/L during that time period. CVOC trends for monitor well MW-3 are shown below.



The latest ground water monitoring event was performed at the site in September 2012. Ground water samples were collected from 16 monitoring wells at the site during the monitoring event. Well construction data and a ground water remediation summary are provided in Table 1. Historical ground water gauging data is provided in Appendix A.

VOCs were detected in five ground water monitor wells at the site. Eight VOCs were present in detectable concentrations. Five of the detected VOCs, including PCE, TCE, cis-1,2-DCE, vinyl chloride and 1,1,2-trichloroethane exceeded their respective maximum contaminant levels (MCLs). The highest concentrations of CVOCs were observed at monitor well MW-3. Analytical results for the September 2012 ground water sampling event are summarized in Table 3.

3.0 SOIL AND GROUND WATER ASSESSMENT

The following tasks were conducted in accordance with the work plan:

- Source Assessment - MW-3 Area;
- Monitor Well Installation - MW-3 Area;
- Monitor Well Installation - MW-7 Area;

- Surface Water Monitoring Event;
- Ground Water Monitoring Event; and a
- Receptor Survey.

Detailed descriptions of these tasks are provided in the following sections.

3.1 SOURCE ASSESSMENT - MW-3 AREA

The persistent high levels of VOCs in ground water in monitor well MW-3 may indicate the presence of residual VOC mass in the source area. In order to select and design additional remedial measures, characterization of the location and distribution of the residual VOC source mass in soil was performed. Assessment consisting of soil sampling by direct-push drilling sampling was performed at the Site.

12 soil boring locations in a grid pattern in and around MW-3 were installed. Figure 5 presents the location of the soil borings. Soil borings were advanced using a direct-push drilling methodology. The direct-push sampling method utilized a track-mounted hydraulic jack mechanism to drive a 2-inch diameter hollow steel probe into the ground to the desired depth. As the probe was driven, continuous soil cores approximately five feet in length were collected. The borings were advanced to 15 feet below the ground surface. Soil samples in both the unsaturated and saturated zones were field-screened in continuous 2-foot intervals by a photo-ionization detector (PID) for the presence of VOCs. The soil sample containing the highest PID reading was collected from each boring for laboratory analyses of VOCs by EPA Method 8260. Boring logs, PID results and Well Records are presented as Appendix B.

VOCs were detected in 10 soil sample locations at detectable concentrations. Vinyl Chloride was detected in the soil sample from SS-2 (1.41 mg/kg) which was above the EPA Region IV Residential Soil Regional Screening Levels (RSLs) of 0.060 mg/kg. No additional detected VOCs exceeded their respective EPA Region IV RSLs. Soil sample results are presented in Table 4.

3.2 MONITOR WELL INSTALLATION - MW-3 AREA

In order to address potential data gaps in the MW-3 area, one 2-inch PVC Type II ground water well (MW-15) was installed to the east of MW-3. The well location is presented on Figure 2. The new well was constructed using hollow stem augers to drill to a depth of 19 feet below ground surface. The well was constructed with 9 feet of PVC casing and 10 feet of PVC (0.010 slot) screen. Type II sand was used around the screen and brought to 2 feet above the screen followed by a 3-foot bentonite seal. The remaining borehole space was grouted to the surface. The well was finished as a stick-up well with a 2 by 2-foot concrete pad. Following the well installation, the location of

the well and the casing elevation were surveyed. Boring logs are provided as Appendix B.

3.3 MONITOR WELL INSTALLATION - MW-7 AREA

In order to address potential data gaps in the MW-7 area, one 2-inch PVC Type II ground water well (MW-6R) was installed to replace MW-6 which had been previously damaged. The well location is presented on Figure 2. The new well was constructed using hollow stem augers to drill to a depth of 15 feet below ground surface. The well was constructed with 5 feet of PVC casing and 10 feet of PVC (0.010 slot) screen. Type II sand was used around the screen and brought to 2 feet above the screen followed by a 3-foot bentonite seal. The remaining borehole space was grouted to the surface. The well was finished as a flush-mount well with a 2 by 2-foot concrete pad. Following the well installation, the location of the well and the casing elevation were surveyed. Boring logs are provided as Appendix B.

Additional wells, outlined in the work plan, to the southeast and southwest of MW-7 could not be installed due to access restrictions with the adjacent landowner.

3.4 SURFACE WATER MONITORING

Surface water sampling was proposed in two separate areas to further evaluate surface water conditions at the Allied site. Only two surface water samples were collected due to low water conditions during the site visit. SW-2 was collected along the edge of the swamp to the west of the production building and SW-3 was collected along a ditch to the northeast of MW-3. All surface water samples were analyzed for VOCs by EPA Method 8260. Surface water sample locations are presented on Figure 2.

3.5 SURFACE WATER SAMPLING RESULTS

Surface water quality data was collected in September 2012 from two of four surface water locations. Due to low water conditions the additional locations were dry during the sampling event. Laboratory data results detected no CVOCs in any of the surface water samples collected during the sampling event.

3.6 GROUND WATER MONITORING

ERM conducted ground water monitoring, including water level gauging, field parameter measurements, and sampling of 16 monitor wells for laboratory analyses of VOCs by EPA Method 8260. All wells were sampled utilizing a peristaltic pump and polyethylene tubing in conjunction with an YSI 556 water quality meter with a flow-through cell to purge each monitor well until field measurements (pH, temperature, specific conductance, dissolved oxygen, and turbidity) have stabilized. Stabilization of

the ground water during purging is defined as three consecutive readings taken at five-minute intervals that fall within specific limits.

In response to the SCDHEC's request, the analyses of indicator parameters sulfate, sulfite, nitrate, nitrite, iron, and oxidation-reduction potential (ORP) were also analyzed for contaminated shallow ground water wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, and the proposed monitor wells MW-6R and MW-15. The indicator parameter results will be used to evaluate remedial strategy at the site. Indicator parameters are shown as Table 6.

3.7 GROUND WATER SAMPLING RESULTS

Ground water quality data was collected in September 2012. Monitor well MW-12 and MW-13 were not accessible during the monitoring event due to deep water ponding in the area of the wells. MW-9 was not accessible due to adjacent landowner access restrictions. Laboratory analytical results are summarized in Table 3. Field measurements are provided in Table 5. Ground water contaminant concentrations that currently exceed South Carolina regulatory standards are summarized in Table 3.

The locations of ground water containing concentrations of VOCs above the MCLs are shown in Figure 6. The vertical extent of affected ground water is shown in cross-sections presented in Figures 7 and 8. VOC concentration versus time graphs for selected wells are presented as Figure 9. A summary of historical ground water quality data is provided in Appendix A. Historical ground water data is presented in Appendix C and the laboratory analytical report for the current analytical data is presented in Appendix D.

4.0 RECEPTOR SURVEY

An updated sensitive receptor survey was completed to provide a current analysis of potential receptors at the site. The survey included an inventory of any person, structure, surface water body, basement, utility, sensitive habitat, and/or water supply well (public or privately owned, potable or non-potable) that are or may be affected by a release within 1,000 feet of the Allied facility. Adjacent properties were also evaluated for the existence of environmentally sensitive areas.

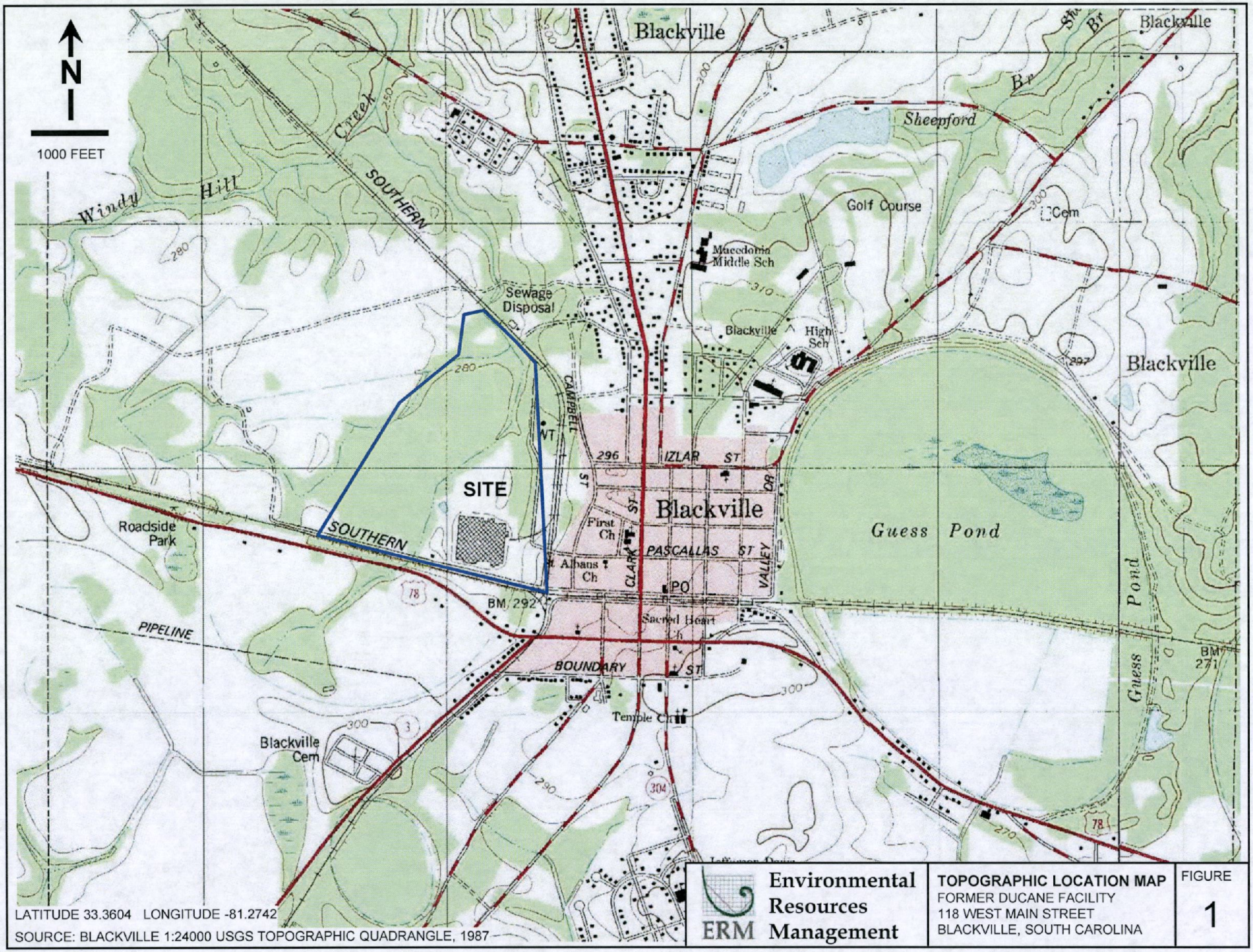
The receptor survey indicated no potable or non-potable use of ground water in the survey area. There is very limited potential for direct exposure from groundwater contamination to the swamp land surrounding the tributary to Windy Hill Creek.

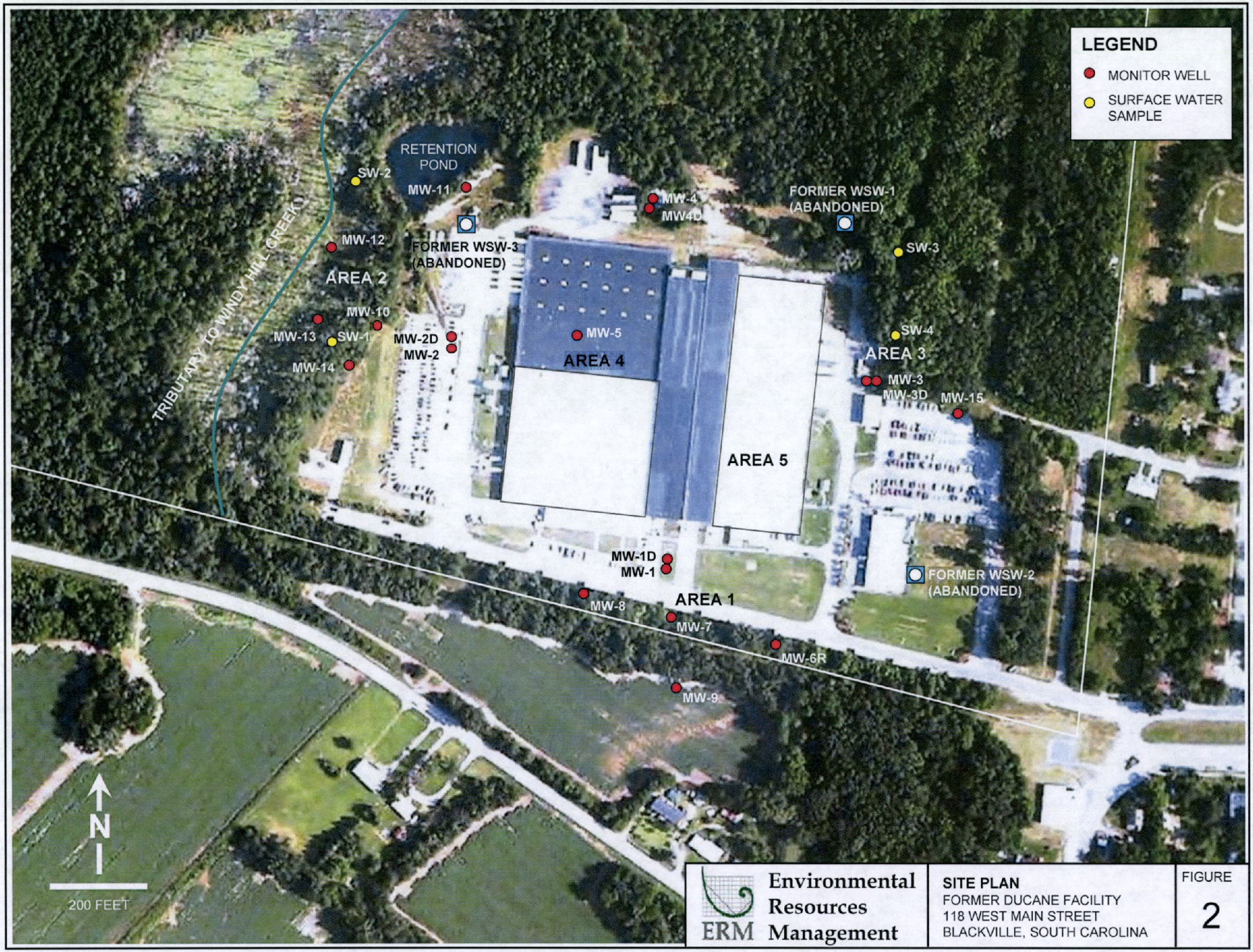
5.0 DISCUSSION AND CONCLUSIONS

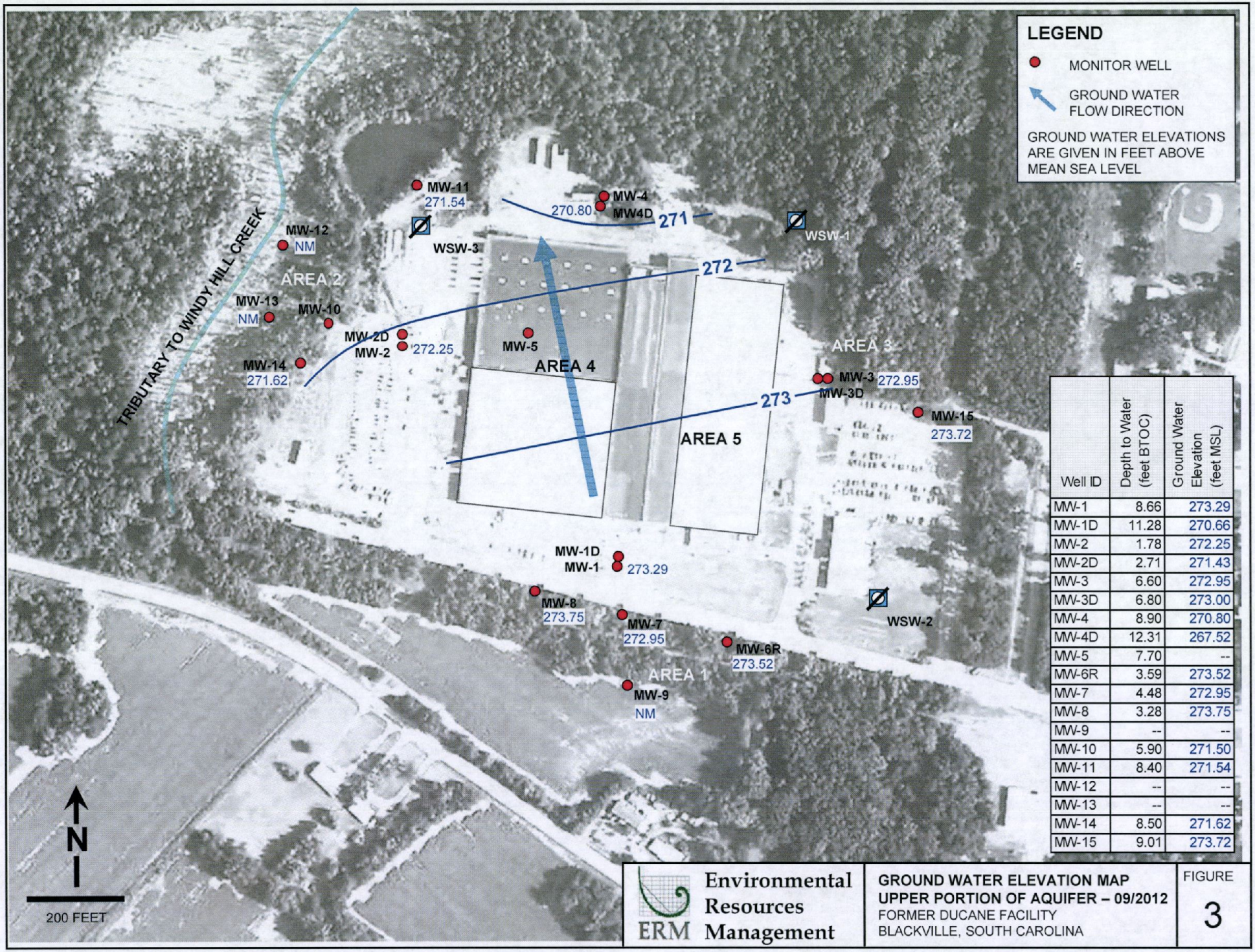
The September 2012 soil and ground water monitoring results indicate the following:

- Ground water contaminant concentrations continue to decline with time in each of the identified source areas except the MW-3 source area.
- Contaminant concentrations in MW-3 appear to have stabilized since the September 2008 monitoring event.
- No contaminants were detected in the deep aquifer(s) in the September 2012 ground water quality data.
- There is no evidence of further migration of the contaminant plume.
- Ground water flow direction has become more consistent across the site with the closure of the cooling pond. Ground water flows from the southeast to the northwest towards a tributary of Windy Hill Creek.
- Newly installed monitor wells MW-6R and MW-15 reported no concentrations of VOCs during the September 2012 sampling event.
- VOCs were detected in shallow surface soil samples surrounding MW-3/MW-3D. Vinyl Chloride was detected in the soil sample from SS-2 which was above the EPA Region IV Residential Soil RSLs. No additional detected VOCs exceeded their respective EPA Region IV RSLs.

ERM recommends assessing remedial alternatives for elevated CVOC concentration in the MW-1/MW-7 area as well as the MW-3 area. Historically, bioremediation has been successful at reducing the mass of CVOC contamination. Data from the most recent sampling event will be used to determine a bioremediation strategy to address elevated CVOCs.


N
1000 FEET
Blackville
Windy Hill
SOUTHERN
Creek
Sheepford
Golf Course
Cem
Macedonia Middle Sch
Sewage Disposal
Blackville High Sch
CAMPBELL
ST
SITE
Roadside Park
SOUTHERN
IZLAR ST
PASCALLAS ST
First Ch
St Albans Ch
CLARK
VALLEY
PO
BM 292
PIPELINE
Sacred Heart Ch
BOUNDARY ST
Temple Ch
Blackville Cem
Guess Pond
Guess Pond
BM 271
Br
Blackville
LATITUDE 33.3604 LONGITUDE -81.2742
SOURCE: BLACKVILLE 1:24000 USGS TOPOGRAPHIC QUADRANGLE, 1987
ERM
Environmental Resources Management
TOPOGRAPHIC LOCATION MAP
FORMER DUCANE FACILITY
118 WEST MAIN STREET
BLACKVILLE, SOUTH CAROLINA
FIGURE
1


LEGEND
MONITOR WELL
SURFACE WATER SAMPLE
RETENTION POND
SW-2
MW-11
MW-4
MW4D
FORMER WSW-1 (ABANDONED)
SW-3
MW-12
FORMER WSW-3 (ABANDONED)
AREA 2
TRIBUTARY TO WINDY HILL CREEK
MW-10
MW-13
SW-1
MW-14
MW-2D
MW-2
MW-5
AREA 4
SW-4
AREA 3
MW-3
MW-3D
MW-15
AREA 5
MW-1D
MW-1
FORMER WSW-2 (ABANDONED)
MW-8
AREA 1
MW-7
MW-6R
MW-9
N
200 FEET
Environmental Resources Management
ERM
SITE PLAN
FORMER DUCANE FACILITY
118 WEST MAIN STREET
BLACKVILLE, SOUTH CAROLINA
FIGURE
2



Well ID	Depth to Water (feet BTOC)	Ground Water Elevation (feet MSL)
MW-1	8.66	273.29
MW-1D	11.28	270.66
MW-2	1.78	272.25
MW-2D	2.71	271.43
MW-3	6.60	272.95
MW-3D	6.80	273.00
MW-4	8.90	270.80
MW-4D	12.31	267.52
MW-5	7.70	--
MW-6R	3.59	273.52
MW-7	4.48	272.95
MW-8	3.28	273.75
MW-9	--	--
MW-10	5.90	271.50
MW-11	8.40	271.54
MW-12	--	--
MW-13	--	--
MW-14	8.50	271.62
MW-15	9.01	273.72

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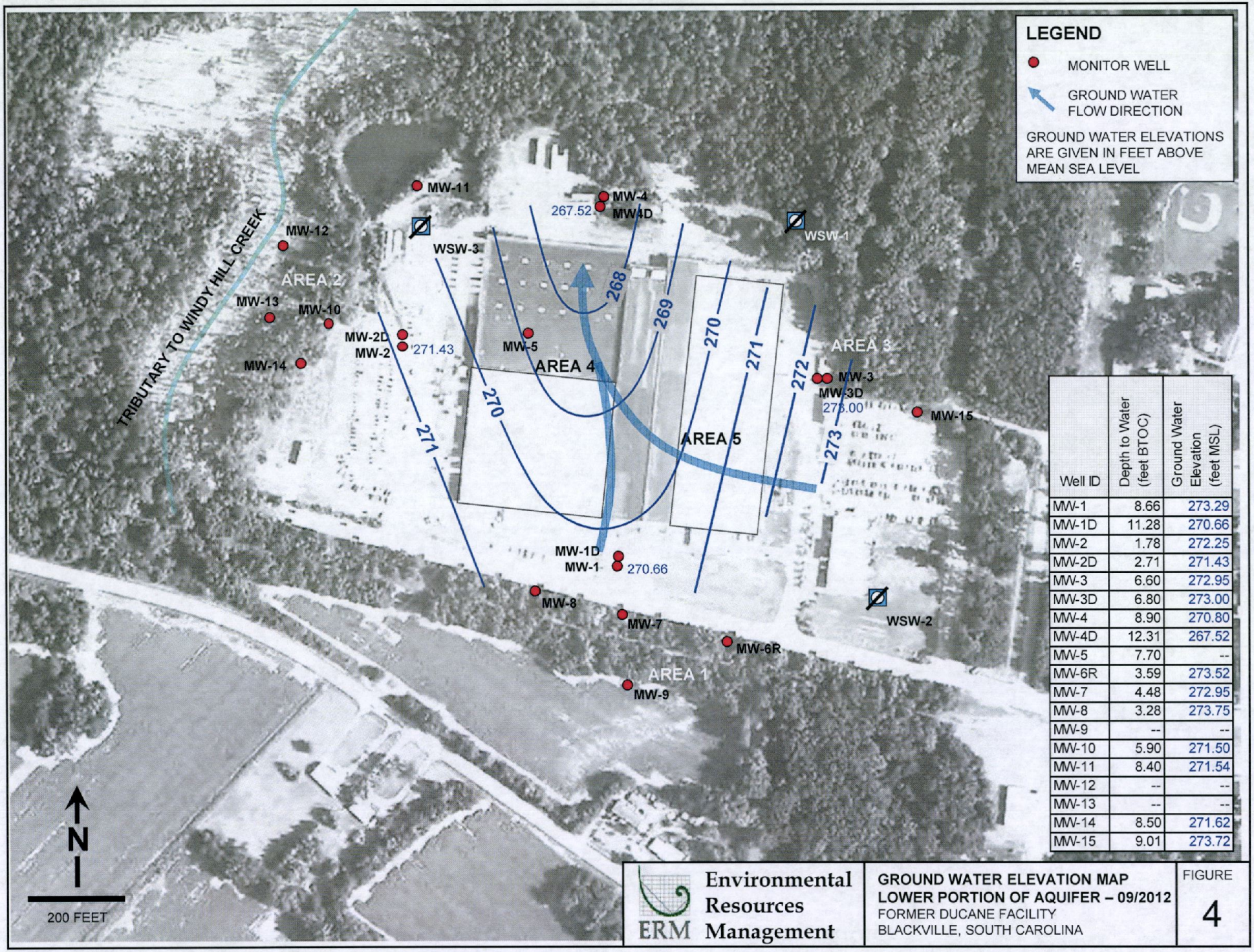
GROUND WATER ELEVATION MAP
UPPER PORTION OF AQUIFER – 09/2012
FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE
3



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MW-3D	6.80	273.00
MW-4	8.90	270.80
MW-4D	12.31	267.52
MW-5	7.70	--
MW-6R	3.59	273.52
MW-7	4.48	272.95
MW-8	3.28	273.75
MW-9	--	--
MW-10	5.90	271.50
MW-11	8.40	271.54
MW-12	--	--
MW-13	--	--
MW-14	8.50	271.62
MW-15	9.01	273.72

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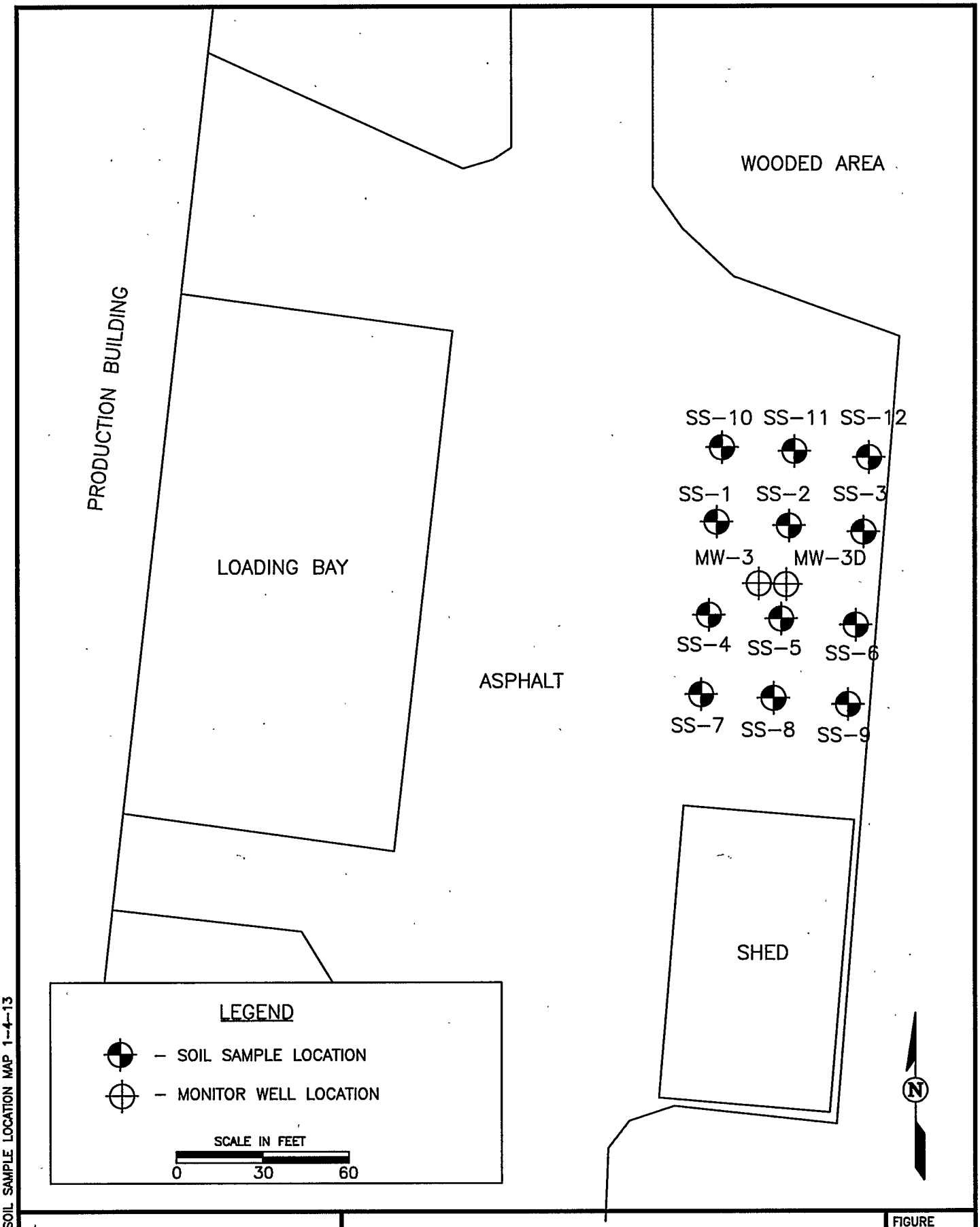
GROUND WATER ELEVATION MAP
LOWER PORTION OF AQUIFER – 09/2012
FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE
4



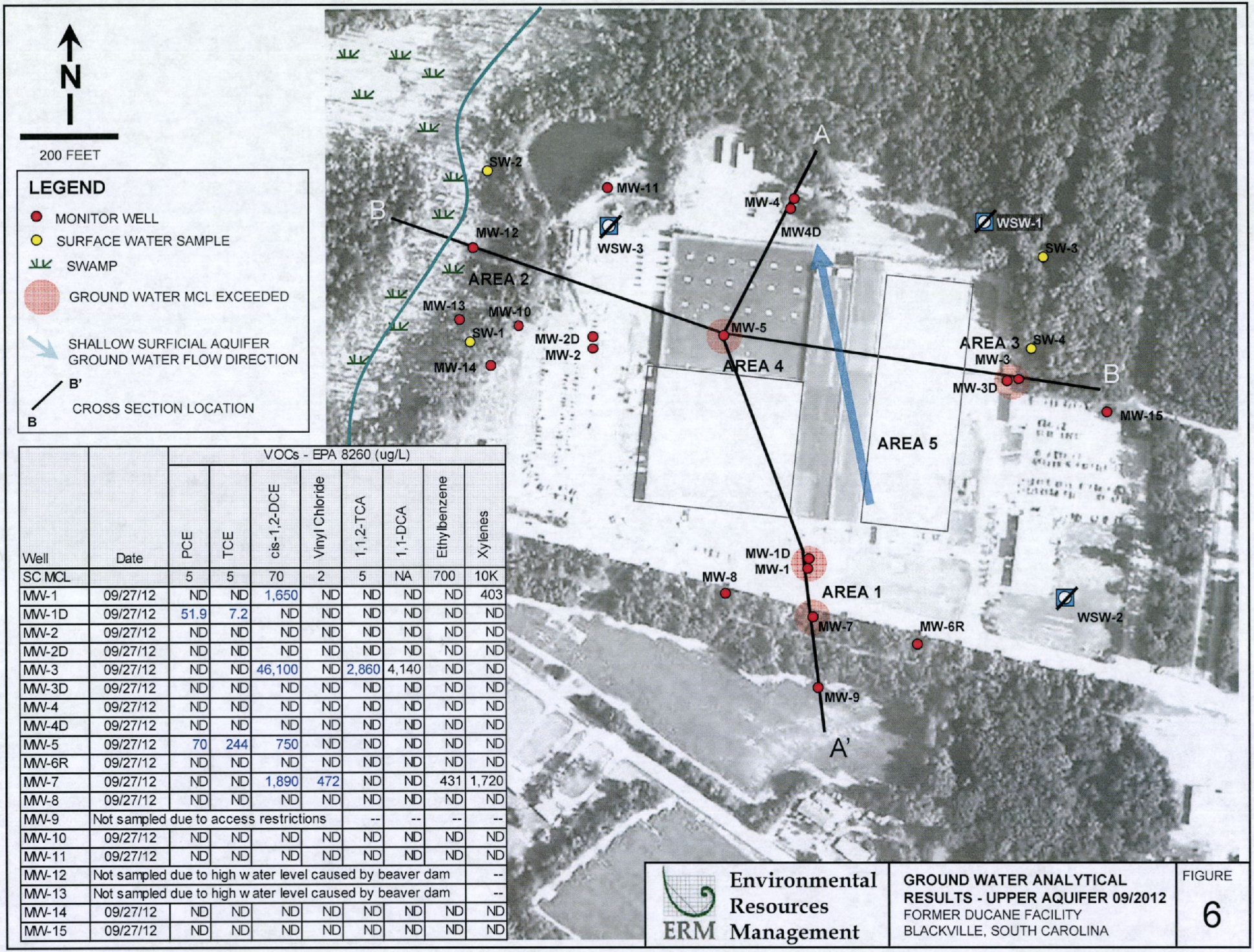
ALLIED AIR – SOIL SAMPLE LOCATION MAP 1-4-13

ERM Environmental Resources Management

SOIL SAMPLE LOCATION MAP

FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE 5



Well	Date	VOCs - EPA 8260 (ug/L) PCE	TCE	cis-1,2-DCE	Vinyl Chloride	1,1,2-TCA	1,1-DCA	Ethylbenzene	Xylenes
SC MCL		5	5	70	2	5	NA	700	10K
MW-1	09/27/12	ND	ND	1,650	ND	ND	ND	ND	403
MW-1D	09/27/12	51.9	7.2	ND	ND	ND	ND	ND	ND
MW-2	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-2D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	09/27/12	ND	ND	46,100	ND	2,860	4,140	ND	ND
MW-3D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-4D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	09/27/12	70	244	750	ND	ND	ND	ND	ND
MW-6R	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	09/27/12	ND	ND	1,890	472	ND	ND	431	1,720
MW-8	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-9	Not sampled due to access restrictions					--	--	--	--
MW-10	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-11	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Not sampled due to high water level caused by beaver dam								--
MW-13	Not sampled due to high water level caused by beaver dam								--
MW-14	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND

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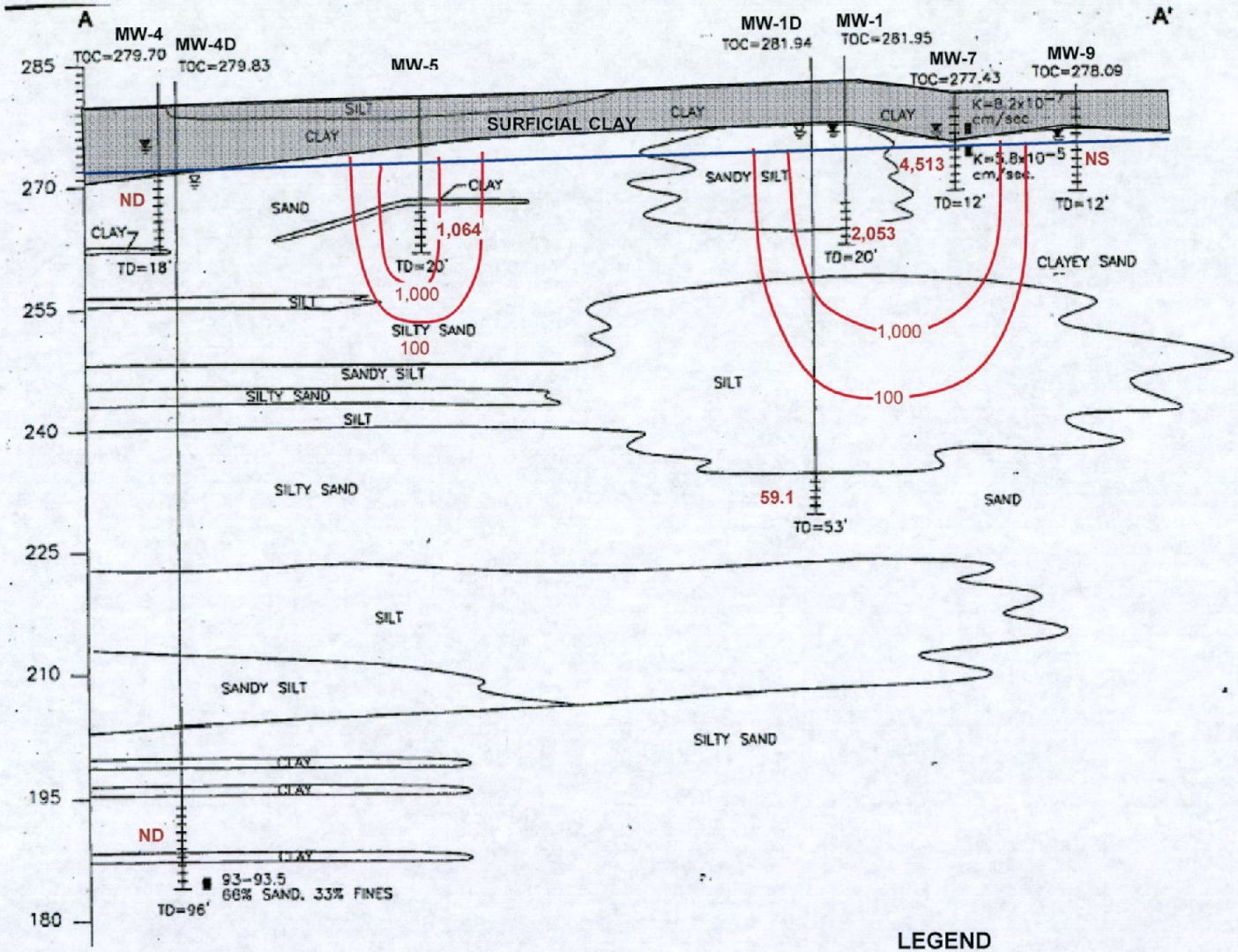
GROUND WATER ANALYTICAL RESULTS - UPPER AQUIFER 09/2012
FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE
6



LEGEND

100 — ISOCONCENTRATION CONTOUR LINE (ug/l VOCs)

HORZ. 0 150 300
VERT. 0 15 30
SCALE APPROX. FEET

SOURCE: SITE ASSESSMENT REPORT, 8/7/2000, QORE PROPERTY SCIENCES

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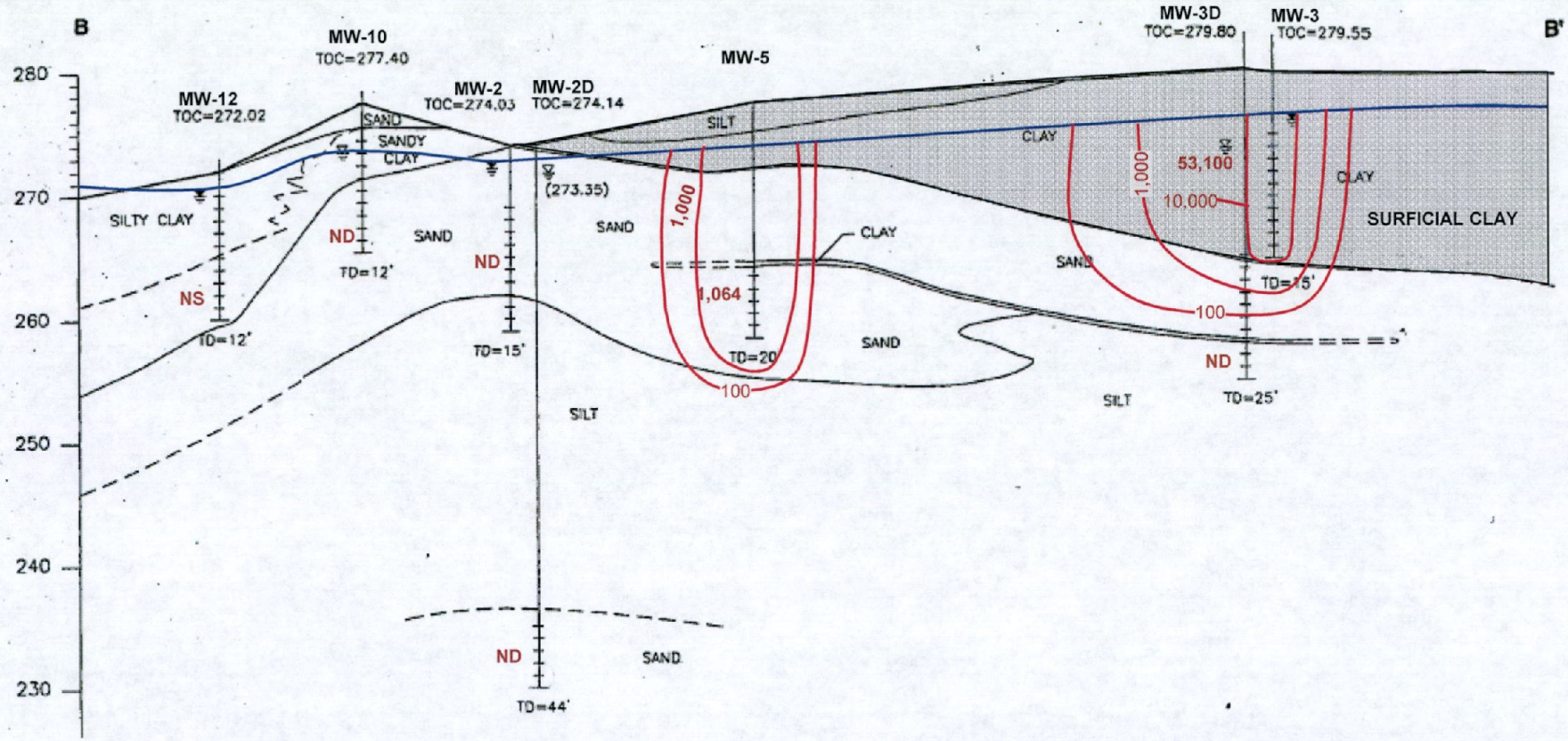
TOTAL CVOCs HYDROGEOLOGIC CROSS SECTION A-A' – 09/2012
FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE 7



LEGEND

100 — ISOCONCENTRATION CONTOUR LINE (ug/l VOCs)

HORZ. 0 150 300
VERT. 0 15 30
SCALE APPROX. FEET

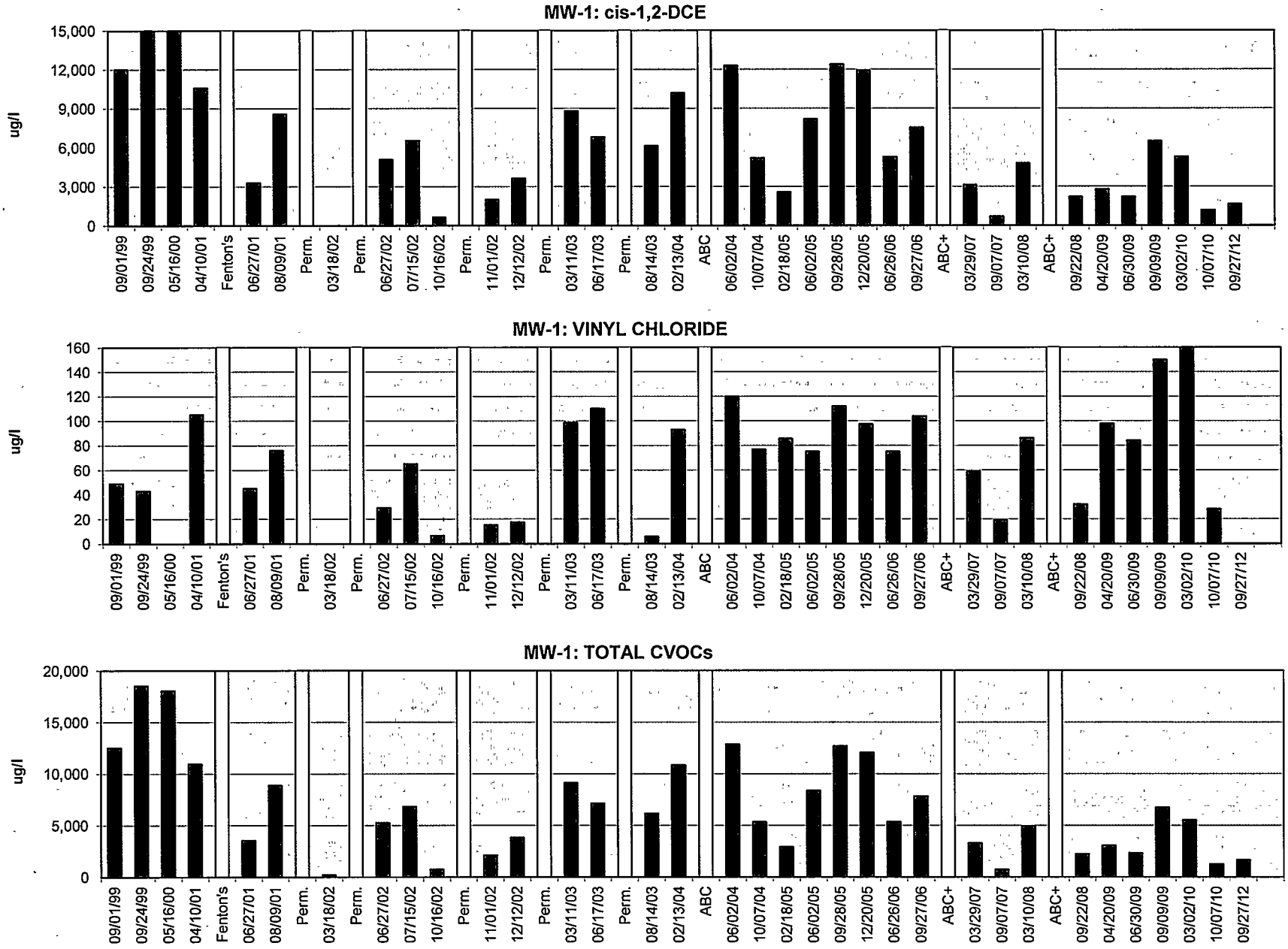
SOURCE: SITE ASSESSMENT REPORT, 8/7/2000, QORE PROPERTY SCIENCES

Environmental Resources Management

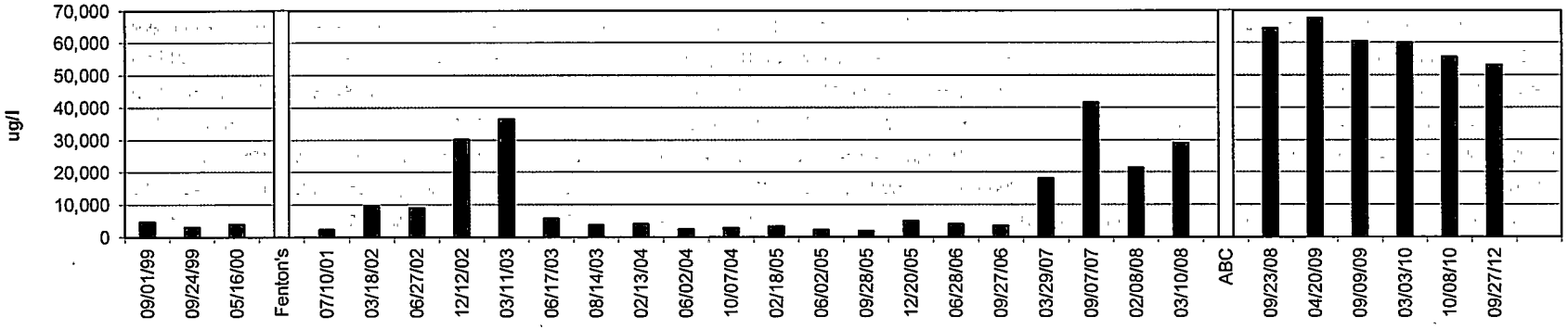
TOTAL CVOCs HYDROGEOLOGIC CROSS SECTION B-B'' - 09/2012
FORMER DUCANE FACILITY
BLACKVILLE, SOUTH CAROLINA

FIGURE
8

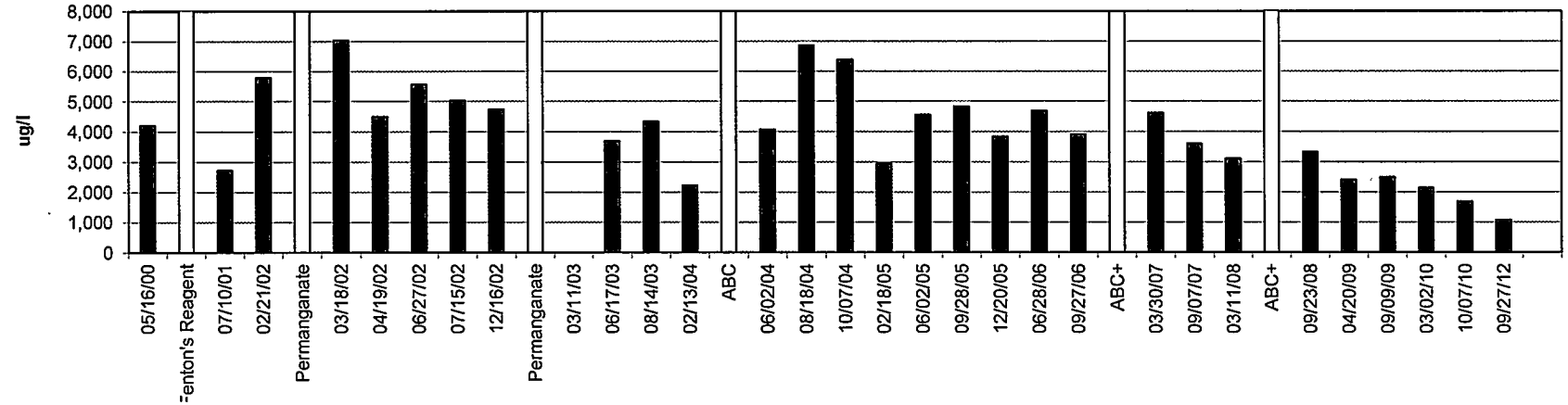
FIGURE 9. SOURCE AREA VOC CONCENTRATIONS VS. TIME



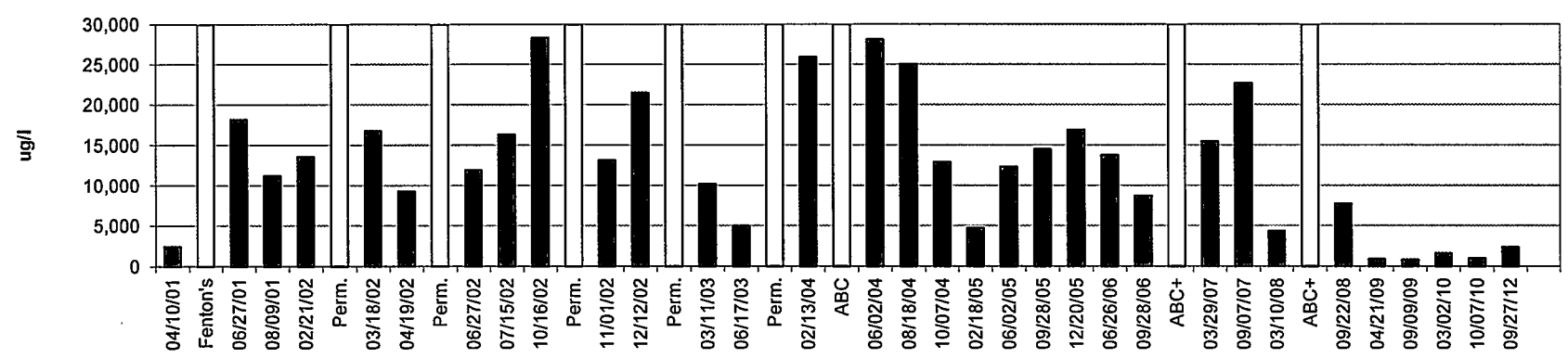
MW-3: TOTAL CVOCs



MW-5: TOTAL CVOCs



MW-7: TOTAL CVOCs



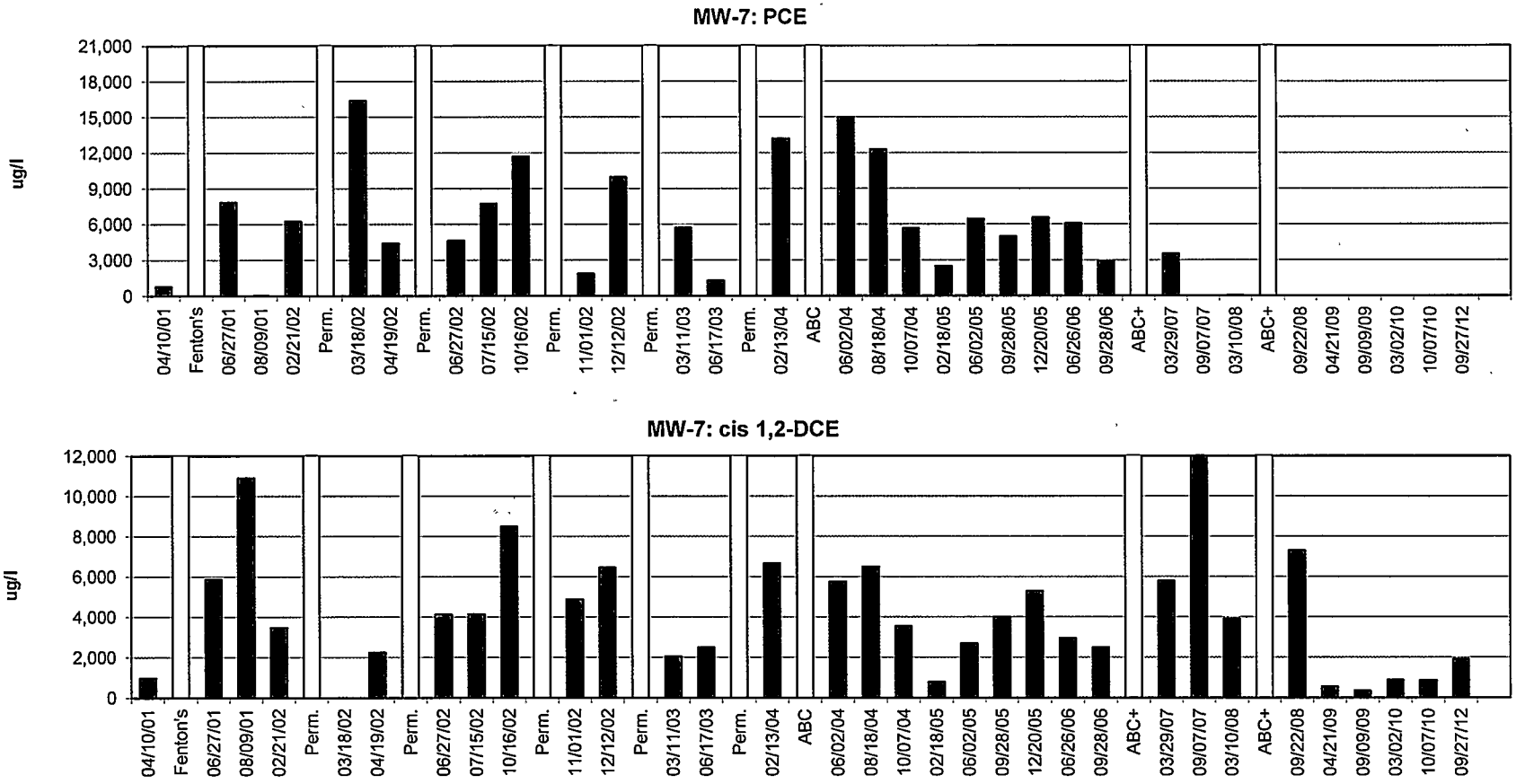

MW-7: PCE
ug/l
21,000
18,000
15,000
12,000
9,000
6,000
3,000
0
04/10/01
Fenton's
06/27/01
08/09/01
02/21/02
Perm.
03/18/02
04/19/02
Perm.
06/27/02
07/15/02
10/16/02
Perm.
11/01/02
12/12/02
Perm.
03/11/03
06/17/03
Perm.
02/13/04
ABC
06/02/04
08/18/04
10/07/04
02/18/05
06/02/05
09/28/05
12/20/05
06/26/06
09/28/06
ABC+
03/29/07
09/07/07
03/10/08
ABC+
09/22/08
04/21/09
09/09/09
03/02/10
10/07/10
09/27/12
MW-7: cis 1,2-DCE
ug/l
12,000
10,000
8,000
6,000
4,000
2,000
0
04/10/01
Fenton's
06/27/01
08/09/01
02/21/02
Perm.
03/18/02
04/19/02
Perm.
06/27/02
07/15/02
10/16/02
Perm.
11/01/02
12/12/02
Perm.
03/11/03
06/17/03
Perm.
02/13/04
ABC
06/02/04
08/18/04
10/07/04
02/18/05
06/02/05
09/28/05
12/20/05
06/26/06
09/28/06
ABC+
03/29/07
09/07/07
03/10/08
ABC+
09/22/08
04/21/09
09/09/09
03/02/10
10/07/10
09/27/12

TABLE 1. MONITOR WELL CONSTRUCTION - FORMER DUCANE FACILITY

Well	Date Installed	Date Abandoned	TOC Elevation (msl)	Surface Grade (msl)	Well Bore Diameter (in)	Well Casing Diam. (in)	Screen Interval (feet)	Total Depth (ft BGL)	Contamination Level - Total CVOCs (9/12, ug/l)	Screened Stratigraphy						
										Surficial Clay Layer	Interbedded Sand, Silt and Clay					
											Sand	Silty Sand	Clayey Sand	Sandy Silt	Silt	Thin Clay layers
Monitor Wells																
MW-1	9/1999		281.95	--	--	2	5-20	20	1,650							
MW-1D	9/1999		281.94	--	--	2	48-53	53	59.1							
MW-2	9/1999		274.03	--	--	2	5-15	15	ND							
MW-2D	9/1999		274.14	--	--	2	39-44	44	ND							
MW-3	9/1999		279.55	--	--	2	5-15	15	53,100							
MW-3D	9/1999		279.80	--	--	2	20-25	25	ND							
MW-4	9/1999		279.70	--	--	2	8-18	18	ND							
MW-4D	06/25/01		279.83	--	--	2	86-96	96	ND							
MW-5	05/12/00		NA	--	--	2	15-20	20	1,064							
MW-6	03/20/01	1/2003	277.40	--	3.5	1	2-12	12								
MW-6R	09/24/12		277.11		4.25	2	5-15	15	ND							
MW-7	03/20/01		277.93	--	3.5	1	2-12	12	2,362							
MW-8	03/20/01		277.03	--	3.5	1	2-12	12	ND							
MW-9	03/20/01		278.07	--	3.5	1	2-12	12	NS							
MW-10	03/20/01		277.04	--	3.5	1	2-12	12	ND							
MW-11	03/20/01		279.94	--	3.5	1	2-12	12	ND							
MW-12	03/20/01		272.02	--	3.5	1	2-12	12	NS							
MW-13	10/14/02		275.41	--	3.5	1	3-10	10	NS							
MW-14	10/14/02		280.12	--	3.5	1	2-12	12	ND							
MW-15	09/24/12		282.73		4.25	2	9-19	19	ND							
Industrial Supply Wells																
WS-1	NA	09/28/12	NA	--				400	NA							
WS-2	NA	09/28/12	NA	--			140-180	180	NA							
WS-3	NA	09/28/12	NA	--				285	NA							

All wells are constructed of Sched. 40 PVC

K: 8.2E-07 5.8E-05

Total CVOCs

- >= 10,000 ug/l
- 1,000 ug/l to 9,999 ug/l
- 100 ug/l to 999 ug/l
- 10 ug/l to 99 ug/l
- <10 ug/l

Hydraulic conductivity data	K (ft/day)	V (ft/yr)
Upper Portion of Aquifer		
MW-1	23.32	
MW-3	1.32	
MW-4	9.59	
Geomtric Mean	6.65	49
Lower Portion of Aquifer		
MW-1D	2.73	
MW-3D	5.31	
Geomtric Mean	3.81	19

Source: Site Assessment Report, 8/7/2000, Qore Property Sciences

V = (Ki)/n

V = Groundwater velocity
i = Hydraulic gradient
n = effective porosity

i - Upper = 0.006 ft/ft
i - Lower = 0.004 ft/ft
n = 30%

GROUND WATER REMEDIATION SUMMARY

Well	Date	Injectant	Source Area Monitor Wells						
			Area 1		Area 2		Area 3	Area 4	Area 5
			MW-1/1D	MW-7	MW-2/2D	MW-10	MW-3/3D	MW-5	No permanent monitor wells
Pilot Test	5/11-6/16/2001	Fenton's Reagent (H2O2/H2SO4)							
Injection 1	2/20-2/25/2002	K-Permanganate							
Injection 2	5/17-6/4/2002	K-Permanganate							
Injection 3	10/16-10/18/2002	K-Permanganate							
Injection 4	12/26-12/30/2002	K-Permanganate							
Injection 5A	7/9/2003	K-Permanganate							
Injection 5B	7/10-7/12/2003	Sodium lactate and ethyl lactate							
Injection 6	4/28-4/29/2004	Anaerobic BioChem (ABC)							
Injection 7	11/27-11/30/2006	Anaerobic BioChem Plus (ABC Plus)							
Injection 8	4/14-22/2008	Anaerobic BioChem Plus (ABC Plus)							

ABC = sodium lactate, ethyl lactate, linoleic acid, dipotassium phosphate and vitamin B12

ABC Plus = ABC compound plus the addition of zero valent iron

Source Area Descriptions	
Area 1	Materials receiving area. Potential off-site source associated with the railroad.
Area 2	West loading dock
Area 3	Drum storage area
Area 4	Former paint system location
Area 5	Current paint system

TABLE 2. GROUND WATER ELEVATION DATA

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet BTOC)	Ground Water Elevation (feet MSL)
MW-1	281.95	09/26/12	8.66	273.29
MW-1D	281.94	09/26/12	11.28	270.66
MW-2	274.03	09/26/12	1.78	272.25
MW-2D	274.14	09/26/12	2.71	271.43
MW-3	279.55	09/26/12	6.60	272.95
MW-3D	279.80	09/26/12	6.80	273.00
MW-4	279.70	09/26/12	8.90	270.80
MW-4D	279.83	09/26/12	12.31	267.52
MW-5	--	09/26/12	7.70	--
MW-6R	277.11	09/26/12	3.59	273.52
MW-7	277.93	09/26/12	4.48	272.95
MW-8	277.03	09/26/12	3.28	273.75
MW-9	278.07	09/26/12	--	--
MW-10	277.40	09/26/12	5.90	271.50
MW-11	279.94	09/26/12	8.40	271.54
MW-12	272.02	09/26/12	--	--
MW-13	275.41	09/26/12	--	--
MW-14	280.12	09/26/12	8.50	271.62
MW-15	282.73	09/26/12	9.01	273.72

TABLE 3. GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2012

Well	Date	VOCs - EPA 8260 (ug/L)							
		PCE	TCE	cis-1,2-DCE	Vinyl Chloride	1,1,2-TCA	1,1-DCA	Ethylbenzene	Xylenes
SC MCL		5	5	70	2	5	NA	700	10K
MW-1	09/27/12	ND	ND	1,650	ND	ND	ND	ND	403
MW-1D	09/27/12	51.9	7.2	ND	ND	ND	ND	ND	ND
MW-2	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-2D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	09/27/12	ND	ND	46,100	ND	2,860	4,140	ND	ND
MW-3D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-4D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	09/27/12	70	244	750	ND	ND	ND	ND	ND
MW-6R	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	09/27/12	ND	ND	1,890	472	ND	ND	431	1,720
MW-8	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-9	Not sampled due to access restrictions								
MW-10	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-11	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Not sampled due to high water level								
MW-13	Not sampled due to high water level								
MW-14	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND
QA/QC Samples									
MW-1 DUP	09/27/12	ND	ND	1,680	ND	ND	ND	101	433

Notes:

ND - Not detected

NA - Standard not established

Only detected compounds are shown in table

Results shown in blue font exceed regulatory standard

TABLE 4. SOIL ANALYTICAL RESULTS - SEPTEMBER 2012 - MW-3/MW-3D AREA, FORMER DUCANE FACILITY, BLACKVILLE, SC

Soil Sample Location	Sampling Date	Depth (ft below ground surface)	Detected VOCs (mg/kg)												
			1,1-Dichloroethane	1,2-Dichloroethene	1,2,4- Trimethylbenzene	1,3,5- Trimethylbenzene	2-Butanone	4-Isopropyltoluene	Acetone	Ethylbenzene	Napthalene	n-Propylbenzene	Toluene	Vinyl Chloride	Xylene
Residential Soil RSL			3.3	700	62	780	NE	NE	61,000	5.4	3.6	3,400	5,000	0.060	630
Industrial Soil RSL			17	9,200	260	10,000	NE	NE	630,000	27	18.0	21,000	45,000	1.7	2,700
Risked-based - Ground Water RSL			0.00069	0.097	0.021	0.52	NE	NE	4.5	0.0017	0.00047	2.5	1.6	0.0000056	0.2
MCL-based - Ground Water RSL			NE	NE	NE	NE	NE	NE	NE	0.78	NE	NE	0.7	0.00069	9.8
SS-1	9/25/12	2-4	ND	ND	4.09	ND	ND	ND	ND	ND	0.808	0.524	ND	ND	ND
SS-2*	9/25/12	6-8	ND	6.24	ND	ND	ND	ND	ND	0.878	ND	ND	ND	1.41	3.47
SS-3*	9/25/12	14-16	ND	0.479	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SS-4	9/25/12	2-4	ND	ND	0.0106	ND	0.012	0.0269	0.0443	0.0124	ND	ND	0.0292	0.0257	0.0458
SS-5	9/25/12	2-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0114	ND	ND
SS-6*	9/25/12	8-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SS-7*	9/25/12	6-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00854	ND	ND
SS-8	9/25/12	0-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SS-9	9/25/12	2-4	ND	ND	0.429	ND	ND	ND	ND	ND	1.03	ND	ND	ND	ND
SS-10	9/25/12	2-4	0.00707	ND	ND	ND	ND	ND	0.034	ND	ND	ND	ND	ND	0.00503
SS-11	9/25/12	0-2	ND	ND	14.5	ND	ND	ND	ND	ND	3.47	0.626	ND	ND	ND
SS-12	9/25/12	0-2	ND	ND	1.22	1.59	ND	ND	ND	ND	1.44	ND	ND	ND	1.37

mg/kg = micrograms per kilogram * = Saturated soil sample, ND = Not Detected NE = Not Established RSL = Region IV Regional Screening Level
Blue font indicates above Residential Soil RSL

TABLE 5. GROUND WATER FIELD MEASUREMENTS - FORMER DUCANE FACILITY

Well	Date	pH (S.U.)	Temp (°C)	Conductivity (µmho/cm)	D.O. (mg/L)
MW-1	06/30/09	3.95	23.1	0.201	0.9
	09/09/09	5.17	25.5	0.159	1.0
	03/02/10	5.71	16.5	0.098	<0.1
	10/07/10	4.66	26.4	0.104	<0.1
	09/26/12	4.80	24.1	0.068	<0.1
MW-1D	06/30/09	4.77	22.8	0.015	3.6
	09/09/09	4.94	24.2	0.028	1.8
	03/02/10	5.15	19.1	0.016	0.26
	10/07/10	5.49	24.2	0.035	5.58
	09/27/12	4.55	22.0	0.019	<0.1
MW-2	04/20/09	Not sampled			
	09/09/09	Not sampled			
	03/02/10	3.55	12.3	0.073	0.36
	10/07/10	4.29	26.9	0.052	0.64
	09/27/12	3.52	25.4	0.049	<0.1
MW-2D	04/20/09	4.71	21.5	0.019	1.4
	09/09/09	4.76	25.8	0.021	0.1
	03/02/10	4.44	15.5	0.032	0.8
	10/07/10	4.92	26.4	0.045	1.3
	02/27/12	5.59	23.5	0.016	<0.1
MW-3	04/20/09	7.80	22.6	0.238	<0.1
	09/09/09	3.96	24.9	0.285	<0.1
	03/03/10	6.39	12.9	0.353	<0.1
	10/08/10	4.28	22.7	0.403	1.0
	09/27/12	4.25	27.0	0.310	0.8
MW-3D	04/20/09	4.23	23.4	0.054	5.0
	09/09/09	4.57	22.6	0.114	1.6
	03/03/10	3.52	16.6	1.040	4.4
	10/08/10	4.46	21.4	0.084	1.8
	09/27/12	4.29	23.2	0.085	<0.1
MW-4	04/20/09	4.12	17.7	0.035	0.3
	09/09/09	3.67	22.7	0.034	<0.1
	03/02/10	3.71	14.7	0.047	1.7
	10/07/10	4.70	21.1	0.047	0.4
	09/27/12	3.94	21.1	0.044	<0.1
MW-4D	04/20/09	6.74	18.5	0.026	3.4
	09/09/09	5.27	20.8	0.031	3.0
	03/02/10	4.32	15.4	0.039	2.7
	10/07/10	4.80	20.4	0.033	2.0
	09/27/12	5.17	20.3	0.008	0.1
MW-5	04/20/09	7.40	23.0	0.082	<0.1
	09/09/09	4.52	26.3	0.130	0.1
	03/02/10	5.93	23.0	0.076	<0.1
	10/07/10	5.12	24.4	0.114	0.4
	09/27/12	4.01	22.99	0.07	<0.1

Well	Date	pH (S.U.)	Temp (°C)	Conductivity (µmho/cm)	D.O. (mg/L)
MW-6R	09/27/12	3.49	22.14	0.092	<0.1
MW-7	04/21/09	8.47	16.8	0.099	<0.1
	09/09/09	6.57	26.5	0.707	5.9
	03/02/10	7.92	13.1	0.212	<0.1
	10/07/10	5.95	23.6	0.171	0.8
	09/27/12	6.20	23.6	0.146	4.0
MW-8	04/21/09	4.88	18.9	0.061	0.2
	09/09/09	4.60	26.4	0.059	1.5
	03/03/10	4.95	9.3	0.081	0.3
	10/08/10	5.01	22.8	0.067	0.6
	09/27/12	5.20	22.4	0.046	0.7
MW-9	04/21/09	6.69	19.3	0.069	2.0
	09/10/09	4.61	21.7	0.128	0.1
	03/03/10	4.07	14.5	0.097	1.2
	10/08/10	4.54	21.0	0.100	1.2
	09/27/12	Not sampled			
MW-10	04/21/09	7.53	16.1	0.069	<0.1
	09/10/09	5.43	24.5	0.084	0.5
	03/02/10	6.73	12.5	0.089	<0.1
	10/07/10	5.73	22.2	0.117	0.4
	09/27/12	5.25	22.8	0.076	<0.1
MW-11	04/20/09	Not sampled		--	--
	09/09/09	7.1	24.5	0.712	0.14
	03/02/10	Not sampled			
	10/07/10	Not sampled			
	09/27/12	Not enough water for readings			
MW-12	04/20/09	Not sampled			
	09/09/09	Not sampled			
	03/02/10	Not sampled			
	10/07/10	Not sampled			
	09/27/12	Not sampled			
MW-13	04/20/09	Not sampled			
	09/09/09	Not sampled			
	03/02/10	Not sampled			
	10/07/10	Not sampled			
	09/27/12	Not sampled			
MW-14	04/20/09	Not sampled			
	09/10/09	5.77	22.7	0.117	0.5
	03/02/10	Not sampled			
	10/07/10	Not sampled			
	09/27/12	5.61	22.79	0.43	3.37
MW-15	09/27/12	5.62	23.5	0.169	<0.1

TABLE 6. GROUND WATER INDICATOR PARAMETERS - FORMER DUCANE FACILITY

Well	Date	Indicator Parameters					
		Sulfate (mg/L)	Sulfite (mg/L)	Nitrate (mg/L-N)	Nitrite (mg/L-N)	Iron (Fe2+) (mg/L)	ORP (mV)
SC MCL		NA	NA	10	1	NA	NA
MW-1	09/27/12	ND	ND	ND	0.012	1.6	-9
MW-2	09/27/12	ND	ND	0.468	ND	0	334
MW-3	09/27/12	ND	ND	ND	ND	4.2	-35
MW-4	09/27/12	ND	ND	ND	ND	1.9	220
MW-5	09/27/12	ND	ND	ND	ND	3.1	238
MW-6R	09/27/12	ND	ND	0.965	ND	0.2	376
MW-7	09/27/12	ND	ND	ND	ND	2.5	-64
MW-15	09/27/12	20.2	ND	ND	ND	2.5	-103

ORP - Oxidation-Reduction Potential

NA - Standard not established

Appendix A
Ground Water Gauging Data
Summary

APPENDIX A. GROUND WATER ELEVATION DATA - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-1	281.95	05/16/00	8.14	273.81
MW-1	281.95	04/10/01	6.25	275.70
MW-1	281.95	08/09/01	7.98	273.97
MW-1	281.95	03/18/02	7.15	274.80
MW-1	281.95	06/27/02	8.91	273.04
MW-1	281.95	12/12/02	7.10	274.85
MW-1	281.95	01/15/03	6.98	274.97
MW-1	281.95	03/11/03	5.95	276.00
MW-1	281.95	06/15/03	5.61	276.34
MW-1	281.95	08/14/03	6.08	275.87
MW-1	281.95	02/13/04	5.75	276.20
MW-1	281.95	06/02/04	7.82	274.13
MW-1	281.95	10/07/04	8.11	273.84
MW-1	281.95	02/18/05	6.36	275.59
MW-1	281.95	09/27/06	7.67	274.28
MW-1	281.95	03/29/07	6.73	275.22
MW-1	281.95	09/06/07	7.68	274.27
MW-1	281.95	12/20/07	6.71	275.24
MW-1	281.95	01/09/08	6.30	275.65
MW-1	281.95	03/10/08	5.97	275.98
MW-1	281.95	09/22/08	8.40	273.55
MW-1	281.95	04/20/09	8.27	273.68
MW-1	281.95	09/09/09	9.19	272.76
MW-1	281.95	03/02/10	5.95	276.00
MW-1	281.95	10/07/10	7.01	274.94
MW-1	281.95	09/26/12	8.66	273.29
MW-2	274.03	05/16/00	1.98	272.05
MW-2	274.03	07/10/01	0.98	273.05
MW-2	274.03	03/18/02	0.60	273.43
MW-2	274.03	06/27/02	3.35	270.68
MW-2	274.03	12/12/02	0.47	273.56
MW-2	274.03	01/15/03	0.79	273.24
MW-2	274.03	03/11/03	0.01	274.02
MW-2	274.03	06/15/03	0.01	274.02
MW-2	274.03	08/14/03	0.00	274.03
MW-2	274.03	02/13/04	0.00	274.03
MW-2	274.03	06/02/04	0.92	273.11
MW-2	274.03	10/07/04	0.17	273.86
MW-2	274.03	02/18/05	0.00	274.03
MW-2	274.03	09/27/06	2.39	271.64
MW-2	274.03	03/29/07	artesian	
MW-2	274.03	09/06/07	NA	--
MW-2	274.03	12/20/07	-0.09	274.12
MW-2	274.03	01/09/08	-0.35	274.38
MW-2	274.03	03/10/08	artesian	
MW-2	274.03	09/22/08	0.76	273.27
MW-2	274.03	04/20/09	-0.46	274.49
MW-2	274.03	09/09/09	0.40	273.63
MW-2	274.03	03/02/10	-0.60	274.63
MW-2	274.03	10/07/10	0.01	274.02
MW-2	274.03	09/26/12	1.18	272.85

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-1D	281.94	05/16/00	10.63	271.31
MW-1D	281.94	04/10/01	8.61	273.33
MW-1D	281.94	08/09/01	--	--
MW-1D	281.94	03/18/02	10.09	271.85
MW-1D	281.94	06/27/02	12.88	269.06
MW-1D	281.94	12/12/02	10.30	271.64
MW-1D	281.94	01/15/03	9.73	272.21
MW-1D	281.94	03/11/03	8.65	273.29
MW-1D	281.94	06/15/03	7.93	274.01
MW-1D	281.94	08/14/03	8.35	273.59
MW-1D	281.94	02/13/04	8.09	273.85
MW-1D	281.94	06/02/04	10.70	271.24
MW-1D	281.94	10/07/04	9.55	272.39
MW-1D	281.94	02/18/05	8.73	273.21
MW-1D	281.94	09/27/06	10.21	271.73
MW-1D	281.94	03/29/07	9.10	272.84
MW-1D	281.94	09/06/07	10.49	271.45
MW-1D	281.94	12/20/07	10.31	271.63
MW-1D	281.94	01/09/08	9.13	272.81
MW-1D	281.94	03/10/08	8.36	273.58
MW-1D	281.94	09/22/08	11.12	270.82
MW-1D	281.94	04/20/09	6.06	275.88
MW-1D	281.94	09/09/09	11.65	270.29
MW-1D	281.94	03/02/10	8.04	273.90
MW-1D	281.94	10/07/10	9.63	272.31
MW-1D	281.94	09/26/12	11.28	270.66
MW-2D	274.14	05/16/00	3.57	270.57
MW-2D	274.14	07/10/01	3.10	271.04
MW-2D	274.14	03/18/02	2.38	271.76
MW-2D	274.14	06/27/02	1.50	272.64
MW-2D	274.14	12/12/02	1.85	272.29
MW-2D	274.14	01/15/03	1.89	272.25
MW-2D	274.14	03/11/03	1.78	272.36
MW-2D	274.14	06/15/03	0.38	273.76
MW-2D	274.14	08/14/03	0.80	273.34
MW-2D	274.14	02/13/04	1.24	272.90
MW-2D	274.14	06/02/04	2.06	272.08
MW-2D	274.14	10/07/04	2.10	272.04
MW-2D	274.14	02/18/05	1.60	272.54
MW-2D	274.14	09/27/06	0.40	273.74
MW-2D	274.14	03/29/07	0.87	273.27
MW-2D	274.14	09/06/07	1.60	272.54
MW-2D	274.14	12/20/07	3.98	270.16
MW-2D	274.14	01/09/08	1.21	272.93
MW-2D	274.14	03/10/08	0.45	273.69
MW-2D	274.14	09/22/08	2.45	271.69
MW-2D	274.14	04/20/09	1.05	273.09
MW-2D	274.14	09/09/09	1.80	272.34
MW-2D	274.14	03/02/10	0.90	273.24
MW-2D	274.14	10/07/10	1.16	272.98
MW-2D	274.14	09/26/12	2.71	271.43

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-5	--	05/16/00	7.68	--
MW-5	--	04/10/01	--	--
MW-5	--	07/10/01	6.51	--
MW-5	--	03/18/02	6.48	--
MW-5	--	06/27/02	8.00	--
MW-5	--	12/12/02	6.11	--
MW-5	--	01/15/03	6.55	--
MW-5	--	03/11/03	5.52	--
MW-5	--	06/15/03	5.00	--
MW-5	--	08/14/03	5.43	--
MW-5	--	02/13/04	5.26	--
MW-5	--	06/02/04	6.87	--
MW-5	--	10/07/04	6.20	--
MW-5	--	02/18/05	5.66	--
MW-5	--	09/27/06	6.40	--
MW-5	--	03/29/07	5.42	--
MW-5	--	09/06/07	6.27	--
MW-5	--	12/20/07	--	--
MW-5	--	01/09/08	--	--
MW-5	--	03/10/08	3.23	--
MW-5	--	09/22/08	8.05	--
MW-5	--	04/20/09	5.32	--
MW-5	--	09/09/09	7.30	--
MW-5	--	03/02/10	5.30	--
MW-5	--	10/07/10	5.98	--
MW-5	--	09/26/12	7.70	--
MW-6	277.40	04/10/01	1.60	275.80
MW-6	277.40	07/10/01	2.07	275.33
MW-6	277.40	03/18/02	2.71	274.69
MW-6	277.40	06/27/02	4.02	273.38
MW-6	277.40	12/12/02	0.37	277.03
MW-6	Monitor Well Destroyed			
MW-6R	277.11	09/27/12	3.59	273.52

APPENDIX A. GROUND WATER ELEVATION DATA - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-3	279.55	05/16/00	5.89	273.66
MW-3	279.55	07/10/01	5.28	274.27
MW-3	279.55	03/18/02	5.70	273.85
MW-3	279.55	06/27/02	7.25	272.3
MW-3	279.55	12/12/02	5.69	273.86
MW-3	279.55	01/15/03	5.57	273.98
MW-3	279.55	03/11/03	4.59	274.96
MW-3	279.55	06/15/03	3.68	275.87
MW-3	279.55	08/14/03	4.10	275.45
MW-3	279.55	02/13/04	4.08	275.47
MW-3	279.55	06/02/04	5.51	274.04
MW-3	279.55	10/07/04	5.00	274.55
MW-3	279.55	02/18/05	4.97	274.58
MW-3	279.55	09/27/06	5.45	274.10
MW-3	279.55	03/29/07	4.89	274.66
MW-3	279.55	09/06/07	5.66	273.89
MW-3	279.55	12/20/07	5.61	273.94
MW-3	279.55	01/09/08	5.09	274.46
MW-3	279.55	03/10/08	4.50	275.05
MW-3	279.55	09/22/08	7.50	272.05
MW-3	279.55	04/20/09	4.23	275.32
MW-3	279.55	09/09/09	6.28	273.27
MW-3	279.55	03/02/10	4.11	275.44
MW-3	279.55	10/07/10	5.21	274.34
MW-3	279.55	09/26/12	6.60	272.95
MW-4	279.70	05/16/00	10.50	269.20
MW-4	279.70	07/10/01	6.89	272.81
MW-4	279.70	03/18/02	6.38	273.32
MW-4	279.70	06/27/02	10.57	269.13
MW-4	279.70	12/12/02	5.99	273.71
MW-4	279.70	01/15/03	6.30	273.40
MW-4	279.70	03/11/03	5.02	274.68
MW-4	279.70	06/15/03	4.11	275.59
MW-4	279.70	08/14/03	6.01	273.69
MW-4	279.70	02/13/04	3.74	275.96
MW-4	279.70	06/02/04	9.39	270.31
MW-4	279.70	10/07/04	6.95	272.75
MW-4	279.70	02/18/05	8.80	270.90
MW-4	279.70	09/27/06	7.73	271.97
MW-4	279.70	03/29/07	4.98	274.72
MW-4	279.70	09/06/07	7.08	272.62
MW-4	279.70	12/20/07	5.48	274.22
MW-4	279.70	01/09/08	5.35	274.35
MW-4	279.70	03/10/08	5.00	274.70
MW-4	279.70	09/22/08	8.56	271.14
MW-4	279.70	04/20/09	5.43	274.27
MW-4	279.70	09/09/09	9.06	270.64
MW-4	279.70	03/02/10	5.40	274.30
MW-4	279.70	10/07/10	6.51	273.19
MW-4	279.70	09/26/12	8.90	270.80

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-3D	279.80	05/16/00	6.19	273.61
MW-3D	279.80	08/09/01	5.63	274.17
MW-3D	279.80	03/18/02	6.03	273.77
MW-3D	279.80	06/27/02	7.46	272.34
MW-3D	279.80	12/12/02	6.00	273.80
MW-3D	279.80	01/15/03	5.84	273.96
MW-3D	279.80	03/11/03	4.90	274.90
MW-3D	279.80	06/15/03	3.92	275.88
MW-3D	279.80	08/14/03	4.30	275.50
MW-3D	279.80	02/13/04	4.45	275.35
MW-3D	279.80	06/02/04	5.79	274.01
MW-3D	279.80	10/07/04	5.32	274.48
MW-3D	279.80	02/18/05	5.21	274.59
MW-3D	279.80	09/27/06	5.70	274.10
MW-3D	279.80	03/29/07	5.12	274.68
MW-3D	279.80	09/06/07	5.91	273.89
MW-3D	279.80	12/20/07	5.94	273.86
MW-3D	279.80	01/09/08	5.40	274.40
MW-3D	279.80	03/10/08	4.89	274.91
MW-3D	279.80	09/22/08	6.50	273.30
MW-3D	279.80	04/20/09	4.77	275.03
MW-3D	279.80	09/09/09	6.41	273.39
MW-3D	279.80	03/02/10	4.38	275.42
MW-3D	279.80	10/07/10	5.44	274.36
MW-3D	279.80	09/26/12	6.80	273.00
MW-4D	279.83	05/16/00	--	--
MW-4D	279.83	07/10/01	--	--
MW-4D	279.83	03/18/02	11.62	268.21
MW-4D	279.83	06/27/02	14.88	264.95
MW-4D	279.83	12/12/02	11.84	267.99
MW-4D	279.83	01/15/03	11.24	268.59
MW-4D	279.83	03/11/03	10.05	269.78
MW-4D	279.83	06/15/03	8.94	270.89
MW-4D	279.83	08/14/03	8.96	270.87
MW-4D	279.83	02/13/04	9.60	270.23
MW-4D	279.83	06/02/04	12.01	267.82
MW-4D	279.83	10/07/04	10.85	268.98
MW-4D	279.83	02/18/05	10.07	269.76
MW-4D	279.83	09/27/06	11.17	268.66
MW-4D	279.83	03/29/07	9.91	269.92
MW-4D	279.83	09/06/07	11.59	268.24
MW-4D	279.83	12/20/07	12.06	267.77
MW-4D	279.83	01/09/08	10.69	269.14
MW-4D	279.83	03/10/08	9.52	270.31
MW-4D	279.83	09/22/08	12.80	267.03
MW-4D	279.83	04/20/09	9.28	270.55
MW-4D	279.83	09/09/09	11.36	268.47
MW-4D	279.83	03/02/10	8.90	270.93
MW-4D	279.83	10/07/10	10.80	269.03
MW-4D	279.83	09/26/12	12.31	267.52

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-7	277.43	04/10/01	1.45	275.98
MW-7	277.43	06/27/01	2.40	275.03
MW-7	277.43	03/18/02	2.38	275.05
MW-7	277.43	06/27/02	4.34	273.09
MW-7	277.43	12/12/02	2.66	274.77
MW-7	277.43	01/15/03	2.18	275.25
MW-7	277.43	03/11/03	1.41	276.02
MW-7	277.43	06/15/03	1.00	276.43
MW-7	277.43	08/14/03	1.36	276.07
MW-7	277.43	02/13/04	1.10	276.33
MW-7	277.43	06/02/04	2.88	274.55
MW-7	277.43	10/07/04	2.45	274.98
MW-7	277.43	02/18/05	2.52	274.91
MW-7	277.43	09/27/06	3.15	274.28
MW-7	277.43	03/29/07	3.30	274.13
MW-7	277.43	09/06/07	1.76	275.67
MW-7	277.43	12/20/07	--	--
MW-7	277.43	01/09/08	--	--
MW-7	277.43	03/10/08	1.17	276.26
MW-7	277.43	09/22/08	2.73	274.70
MW-7	277.43	04/20/09	1.29	276.14
MW-7	277.43	09/09/09	4.71	272.72
MW-7	277.43	03/02/10	1.83	275.6
MW-7	277.43	10/07/10	2.37	275.06
MW-7	277.11*	09/26/12	4.48	272.63
MW-8	277.03	04/10/01	0.83	276.20
MW-8	277.03	06/27/01	1.25	275.78
MW-8	277.03	03/18/02	2.39	274.64
MW-8	277.03	06/27/02	3.86	273.17
MW-8	277.03	12/12/02	1.76	275.27
MW-8	277.03	01/15/03	1.39	275.64
MW-8	277.03	03/11/03	0.85	276.18
MW-8	277.03	06/15/03	0.50	276.53
MW-8	277.03	08/14/03	1.00	276.03
MW-8	277.03	02/13/04	0.25	276.78
MW-8	277.03	06/02/04	2.52	274.51
MW-8	277.03	10/07/04	1.70	275.33
MW-8	277.03	02/18/05	0.57	276.46
MW-8	277.03	09/27/06	2.55	274.48
MW-8	277.03	03/29/07	0.98	276.05
MW-8	277.03	09/06/07	2.21	274.82
MW-8	277.03	12/20/07	--	--
MW-8	277.03	01/09/08	--	--
MW-8	277.03	03/10/08	0.63	276.40
MW-8	277.03	09/22/08	3.24	273.79
MW-8	277.03	04/20/09	0.33	276.70
MW-8	277.03	09/09/09	4.35	272.68
MW-8	277.03	03/02/10	0.01	277.02
MW-8	277.03	10/07/10	1.59	275.44
MW-8	277.03	09/26/12	3.28	273.75

APPENDIX A. GROUND WATER ELEVATION DATA - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-9	278.07	06/27/01	4.12	273.95
MW-9	278.07	03/18/02	4.35	273.72
MW-9	278.07	06/27/02	6.43	271.64
MW-9	278.07	12/12/02	3.51	274.56
MW-9	278.07	01/15/03	4.09	273.98
MW-9	278.07	03/11/03	2.99	275.08
MW-9	278.07	06/15/03	2.82	275.25
MW-9	278.07	08/14/03	3.29	274.78
MW-9	278.07	02/13/04	2.85	275.22
MW-9	278.07	06/02/04	5.21	272.86
MW-9	278.07	10/07/04	4.30	273.77
MW-9	278.07	02/18/05	3.43	274.64
MW-9	278.07	09/27/06	5.11	272.96
MW-9	278.07	03/29/07	3.89	274.18
MW-9	278.07	09/06/07	5.20	272.87
MW-9	278.07	03/10/08	2.99	275.08
MW-9	278.07	09/22/08	6.01	272.06
MW-9	278.07	04/20/09	3.26	274.81
MW-9	278.07	09/09/09	6.33	271.74
MW-9	278.07	03/02/10	3.10	274.97
MW-9	278.07	10/07/10	4.45	273.62
MW-9	278.07	09/26/12	--	--
MW-12	272.02	07/10/01	4.22	267.80
MW-12	272.02	03/18/02	2.15	269.87
MW-12	272.02	06/27/02	2.13	269.89
MW-12	272.02	12/12/02	2.04	269.98
MW-12	272.02	01/15/03	2.09	269.93
MW-12	272.02	03/11/03	1.99	270.03
MW-12	272.02	06/15/03	1.73	270.29
MW-12	272.02	08/14/03	1.65	270.37
MW-12	272.02	02/13/04	1.59	270.43
MW-12	272.02	06/02/04	1.85	270.17
MW-12	272.02	10/07/04	1.60	270.42
MW-12	272.02	02/18/05	1.41	270.61
MW-12	272.02	09/27/06	1.35	270.67
MW-15	282.73	09/26/12	9.01	273.72

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-10	277.40	07/10/01	5.34	272.06
MW-10	277.40	03/18/02	4.86	272.54
MW-10	277.40	06/27/02	5.37	272.03
MW-10	277.40	12/12/02	4.74	272.66
MW-10	277.40	01/15/03	4.82	272.58
MW-10	277.40	03/11/03	4.51	272.89
MW-10	277.40	06/15/03	4.23	273.17
MW-10	277.40	08/14/03	4.47	272.93
MW-10	277.40	02/13/04	4.15	273.25
MW-10	277.40	06/02/04	5.00	272.40
MW-10	277.40	10/07/04	4.45	272.95
MW-10	277.40	02/18/05	4.20	273.20
MW-10	277.40	09/27/06	4.42	272.98
MW-10	277.40	03/29/07	3.87	273.53
MW-10	277.40	09/06/07	3.90	273.50
MW-10	277.40	03/10/08	3.70	273.70
MW-10	277.40	09/22/08	4.71	272.69
MW-10	277.40	04/20/09	3.81	273.59
MW-10	277.40	09/09/09	4.02	273.38
MW-10	277.40	03/02/10	3.81	273.59
MW-10	277.40	10/07/10	3.95	273.45
MW-10	277.40	09/26/12	5.90	271.50
MW-13	275.41	07/10/01	--	--
MW-13	275.41	03/18/02	--	--
MW-13	275.41	06/27/02	--	--
MW-13	275.41	12/12/02	2.91	272.50
MW-13	275.41	01/15/03	2.94	272.47
MW-13	275.41	03/11/03	2.82	272.59
MW-13	275.41	06/15/03	2.61	272.80
MW-13	275.41	08/14/03	2.58	272.83
MW-13	275.41	02/13/04	2.49	272.92
MW-13	275.41	06/02/04	2.73	272.68
MW-13	275.41	10/07/04	2.43	272.98
MW-13	275.41	02/18/05	2.33	273.08

Well ID	Top of Casing Elevation (feet above sea level)	Date Measured	Depth to Water (feet)	Ground Water Elevation (feet above sea level)
MW-11	279.94	07/10/01	5.53	274.41
MW-11	279.94	03/18/02	4.08	275.86
MW-11	279.94	06/27/02	4.28	275.66
MW-11	279.94	12/12/02	4.10	275.84
MW-11	279.94	01/15/03	4.82	275.12
MW-11	279.94	03/11/03	3.91	276.03
MW-11	279.94	06/15/03	3.85	276.09
MW-11	279.94	08/14/03	4.07	275.87
MW-11	279.94	02/13/04	3.76	276.18
MW-11	279.94	06/02/04	4.07	275.87
MW-11	279.94	10/07/04	4.11	275.83
MW-11	279.94	02/18/05	3.97	275.97
MW-11	279.94	09/27/06	4.46	275.48
MW-11	279.94	03/29/07	4.11	275.83
MW-11	279.94	09/06/07	4.56	275.38
MW-11	279.94	03/10/08	5.62	274.32
MW-11	279.94	09/22/08	--	--
MW-11	279.94	04/20/09	4.50	275.44
MW-11	279.94	09/09/09	5.19	274.75
MW-11	279.94	03/02/10	4.64	275.30
MW-11	279.94	10/07/10	4.80	275.14
MW-11	279.94	09/26/12	8.40	271.54
MW-14	280.12	12/12/02	7.44	272.68
MW-14	280.12	01/15/03	7.51	272.61
MW-14	280.12	03/11/03	7.15	272.97
MW-14	280.12	06/15/03	6.80	273.32
MW-14	280.12	08/14/03	7.15	272.97
MW-14	280.12	02/13/04	6.62	273.50
MW-14	280.12	06/02/04	7.66	272.46
MW-14	280.12	10/07/04	7.10	273.02
MW-14	280.12	02/18/05	6.79	273.33
MW-14	280.12	09/27/06	7.15	272.97
MW-14	280.12	03/29/07	6.55	273.57
MW-14	280.12	09/06/07	7.13	272.99
MW-14	280.12	03/10/08	6.26	273.86
MW-14	280.12	09/22/08	7.29	272.83
MW-14	280.12	04/20/09	6.48	273.64
MW-14	280.12	09/09/09	7.81	272.31
MW-14	280.12	03/02/10	6.44	273.68
MW-14	280.12	10/07/10	6.69	273.43
MW-14	280.12	09/26/12	8.50	271.62

Appendix B
Boring Logs and Water Well Records

ERM 498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **MW-15** ERM PROJECT # 0140261 SHEET 1 OF 1

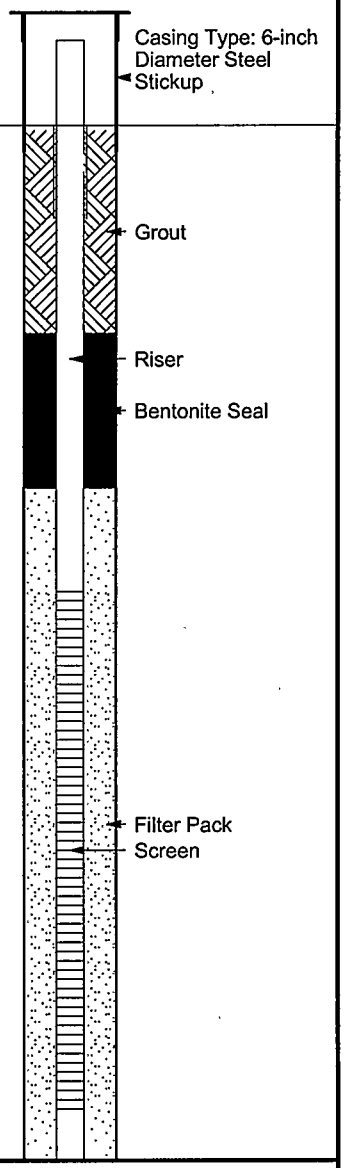
DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/24/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/24/2012

GEOGRAPHIC COORDINATES
()
NORTHING
EASTING
ELEVATION

WELL CONSTRUCTION	Riser	Screen	WELL DEVELOPMENT
Material:	*Schedule 40 PVC*	*Schedule 40 PVC, 0.010-slot*	Method: *Overpumping*
Diameter (ID):	*2-inch*	*2-inch*	Duration: *hours*
Coupling:	*Threaded*	*Threaded*	Gals. Purged:

Well Permit #:

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG
		SANDY CLAY (CL) medium dense, brownish tan		CL	
6		SANDY CLAY (CL) very stiff, gray	6	CL	
10		GRAVELLY CLAY (CL) coarse grained GRAVEL; stiff, gray, [Quartx cyrstals in matrix]	10	CL	
16		CLAYEY SAND (SC) coarse grained GRAVEL; medium stiff, gray	16	SC	



REMARKS:

WELL INSTALLATION NOTES:

ERM 498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **MW-6R** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/24/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/24/2012

GEOGRAPHIC COORDINATES
()
NORTHING
EASTING
ELEVATION

WELL CONSTRUCTION

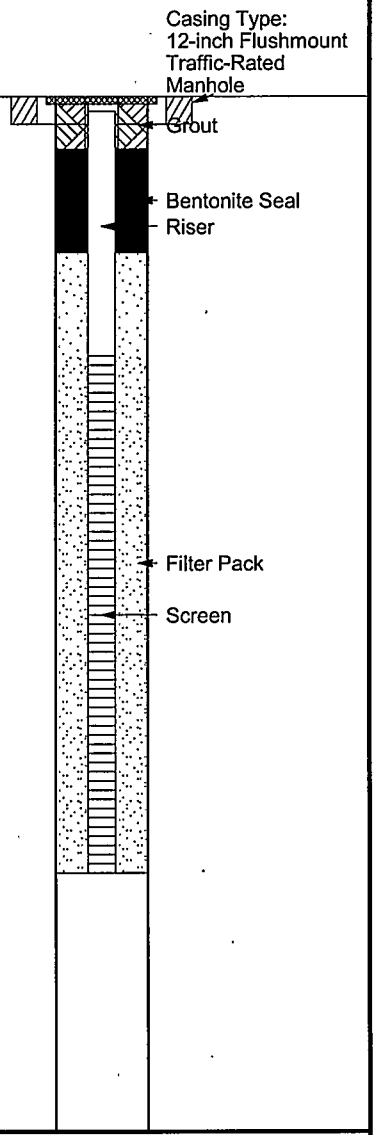
	Riser	Screen
Material:	*Schedule 40 PVC*	*Schedule 40 PVC, 0.010-slot*
Diameter (ID):	*2-inch*	*2-inch*
Coupling:	*Threaded*	*Threaded*

Well Permit #:

WELL DEVELOPMENT
Method: *Overpumping*
Duration: *hours*
Gals. Purged:

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG
		SILTY CLAY (CL-ML) medium dense, brownish black		CL-ML	
4		SANDY CLAY (CL) soft, tannish brown	4	CL	
7		SAND (SW) coarse grained GRAVEL; loose, tannish brown	7	SW	
15			15		

WELL CONSTRUCTION



REMARKS:

WELL INSTALLATION NOTES:

WELL CONSTRUCTION ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT: Allied Air
Allied Air-Blackville

BORING # **SS-01**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		CLAYEY SAND (SC) medium grained GRAVEL; tannish brown						6.6	
2				SC			60/60	13	SS-1 2-4 [(2-4ft) (1)]
4								6.5	
6		SANDY CLAY (CL) medium grained GRAVEL; gray	6						
				CL			60/60	1.5	
8								1.5	
10								1.7	
12		SANDY CLAY (CL) coarse grained GRAVEL; stiff, grayish tan	12				60/60	1.2	
14				CL				1	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM	498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-02** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) loose, brownish black						0	
2							60/60	6.3	
4				CL					
6								11.5	
							60/60	161	SS-2 6-8 [(6-8ft) (1)]
8		SANDY CLAY (CL) stiff, tannish gray	8					52	
10				CL				45	
12							60/60	95	
14		CLAYEY SAND (SC) coarse grained GRAVEL; tannish gray	14	SC				115	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM	498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-03** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH / ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
0	SANDY CLAY (CL) loose, brownish black						0	
2						60/60	0	
4			CL					
6							13	
8		8				60/60	12	
	SANDY CLAY (CL) stiff, tannish gray						14	
10								
12			CL				10	
						60/60	6.5	
14	CLAYEY SAND (SC) coarse grained GRAVEL; tannish gray	14	SC				129	SS-3 14-16 [(14-15ft) (1)]
		15						
16								
18								

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM
498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT:
Allied Air
Allied Air-Blackville

BORING # **SS-04**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/24/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/24/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) medium stiff, reddish brown		CL				32	
2			2				60/60		
		SANDY CLAY (CL) stiff, brownish tan						188	SS-4 2-4 [(2-4ft) (1)]
4				CL					
								30	
6			6						
		SANDY CLAY (CL) medium stiff, brownish gray		CL			60/60	23	
8			8						
		SANDY CLAY (CL) stiff, grayish tan						24	
10									
								17	
12				CL			60/60		
								21	
14									
								22	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT:
Allied Air
Allied Air-Blackville

BORING # **SS-05**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/24/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/24/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) loose, brownish tan						0	
2				CL			60/60	104	SS-5 2-4 [(2-4ft) (1)]
4		SANDY CLAY (CL) medium stiff, brownish tan	4					0.2	
6				CL					
8		SANDY CLAY (CL) stiff, gray	8				60/60	0.2	
								0.9	
10									
12				CL				0	
							60/60	1	
14								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

☐ Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM	498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-06** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/24/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/24/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SILTY CLAY (CL-ML) loose, brownish black						0	
2				CL-ML			60/60	0	
4		SANDY CLAY (CL) loose, brownish gray	4						
				CL				0	
6		SANDY CLAY (CL) stiff, gray	6						
								0	
8							60/60		
				CL				0	SS-6 8-10 [(8-10ft) (1)]
10									
								0	
12		CLAYEY SAND (SC) loose, tannish gray	12						
								0	
				SC			60/60		
14								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM
498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT:
Allied Air
Allied Air-Blackville

BORING # **SS-07**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH (ELEVATION)	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
0	SANDY CLAY (CL) soft, brownish tan						0.4	
2			CL			60/60	0.2	
4							0	
6	CLAYEY SAND (SC) loose, brown	6	SC				1.8	SS-7 6-8 [(6-8ft) (1)]
8	CLAYEY SAND (SC) stiff, grayish tan	8	SC			60/60	0	
10	SAND (SW) very loose, grayish tan	10	SW				0	
12	CLAYEY SAND (SC) medium dense, grayish tan	12	SC			60/60	0	
14							0	
15		15						
16								
18								

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM	498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-08** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) loose, tannish brown						4.2	SS-8 0-2 [(0-2ft) (1)]
2							60/60	1.5	
4				CL					
								1.2	
6			6						
		SANDY CLAY (CL) coarse grained SAND; stiff, grayish tan					60/60	0.9	
8								0	
10				CL				0	
12							60/60	0	
14								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT: Allied Air
Allied Air-Blackville

BORING # **SS-09**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	SANDY CLAY (CL) soft, brownish tan						0	
2						60/60	22	SS-9 2-4 [(2-4ft) (1)]
4			CL				15	
6						60/60	0	
8	SANDY CLAY (CL) stiff, gray	8	CL				0	
10	SAND (SW) loose, gray	10					0	
12			SW			60/60	0	
14	SANDY CLAY (CL) medium stiff, gray	14	CL				15	
		15						
16								
18								

REMARKS:
Near MW-3

Direct push geoprobe sample

LAB ANALYSIS:
1 = VOLATILE ORGANICS

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM 498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-10** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) soft, brownish tan						0.1	
2				CL			60/60	0.3	SS-10 2-4 [(2-4ft) (1)]
4									
								0.3	
6		CLAYEY SAND (SC) loose, brown	6	SC			60/60	0	
8		CLAYEY SAND (SC) stiff, grayish tan	8	SC				0	
10		SAND (SW) very loose, grayish tan	10	SW				0	
12		CLAYEY SAND (SC) medium dense, grayish tan	12	SC			60/60	0	
14								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

☐ Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

498 Wando Park Blvd
Mt. Pleasant, SC 29407
P: 843-856-4270

PROJECT: Allied Air
Allied Air-Blackville

BORING # **SS-11**
ERM PROJECT # 0140261
SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		CLAYEY SAND (SC) medium grained GRAVEL; tannish brown						63	SS-11 0-2 [(0-1ft) (1)]
2							60/60		
				SC				1.2	
4									
								1	
6		SANDY CLAY (CL) medium grained GRAVEL; gray	6						
							60/60	0	
8									
				CL				0	
10									
								0	
12		SANDY CLAY (CL) coarse grained GRAVEL; stiff, grayish tan	12						
							60/60	0	
14				CL					
								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

ERM	498 Wando Park Blvd Mt. Pleasant, SC 29407 P: 843-856-4270	PROJECT: Allied Air Allied Air-Blackville	BORING # **SS-12** ERM PROJECT # 0140261 SHEET 1 OF 1

DRILLING CONTRACTOR	Probe Tech Concord, NC	ERM REPRESENTATIVE	C. Stang
DRILLING FOREMAN	M. Tynan	OFFICE LOCATION	Charleston, SC
DRILLING METHOD	Direct Push	DATE: START	09/25/2012
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	09/25/2012
HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	2 in
EASTING		DEPTH TO WATER (INITIAL) ▼	
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA: SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		SANDY CLAY (CL) soft, brownish tan						123	SS-12 0-2 [(0-2ft) (1)]
2				CL			60/60	14	
4								32	
6		SANDY CLAY (CL) medium stiff, gray	6	CL			60/60	3.8	
8		SANDY CLAY (CL) stiff, gray	8					9.1	
10				CL			60/60	0	
12								0	
14								0	
			15						
16									
18									

REMARKS:
Near MW-3

LAB ANALYSIS:
1 = VOLATILE ORGANICS

☐ Direct push geoprobe sample

BORING LOG ALLIED AIR-BLACKVILLE.GPJ ERM DATA TEMPLATE.GDT 12/20/12

Appendix C
Ground Water Analytical
Results Summary

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Carbon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropaltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-1	09/01/99	78.5	60.2	22.5	12,000	40.6	49.1	ND	ND	1.06	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	14.1	ND	21.7	178	31.2	17.3	ND	ND	685	1,380	5,820	11.9	ND	12,517
MW-1	09/24/99	15.8	24.6	25.7	18,000	60.1	43.1	ND	ND	9.2	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	3.8	18	ND	38.3	215	54.9	23.8	ND	2.2	1,050	1,950	8,260	22.6	ND	18,537
MW-1	05/16/00	ND	29.4	68.4	17,600	361	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.7	979	1,890	7,820	ND	27.1	18,059
MW-1	04/10/01	16.4	24.1	27.4	10,600	46.4	105	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.31	ND	ND	ND	ND	ND	13.3	ND	24.9	54.3	34.3	ND	ND	1.28	436	1,050	4,260	14.5	ND	10,948
MW-1	Fenton's							May 11-June 16, 2001																													
MW-1	06/27/01	2.6	19.7	10.1	3,310	78	45	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	3.6	ND	12.6	41.8	14.2	ND	ND	ND	372	412	3,360	32.8	ND	3,539
MW-1	08/09/01	5.6	8.9	ND	8,580	54	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	10.8	ND	ND	118.0	25.4	ND	ND	1.1	396	854	2,720	10.3	ND	8,880
MW-1	Perm.							February 20-25, 2002																													
MW-1	03/18/02	4.6	8.0	12.4	>6,900	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND	ND	5.4	ND	10.7	72.7	74.3	ND	ND	ND	317	635	2,680	7.3	ND	215
MW-1	Perm.							May 17-20 and June 4, 2002 (IP-17 & 19)																													
MW-1	06/27/02	4.5	4.6	11.5	5,090	24	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	ND	10.1	71.5	13.4	ND	ND	ND	ND	ND	ND	ND	ND	5,265
MW-1	07/15/02	4.8	7.3	13.1	6,550	63	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	1.6	8.6	ND	14.8	87.8	18.9	ND	ND	1.2	344	813	3,349	9.4	ND	6,837
MW-1	10/16/02	11.8	14.1	1.0	647	10	7	ND	ND	ND	ND	ND	ND	ND	11.8	ND	ND	ND	ND	ND	ND	ND	13.8	ND	2.8	6.4	2.7	ND	ND	ND	89	1,900	9,870	1.8	ND	728
MW-1	Perm.							October 16-18, 2002. Area 1 only																													
MW-1	11/01/02	17.5	13.4	6.6	2,010	12	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	4.5	2.5	ND	ND	1.4	106	1,380	7,230	ND	ND	2,089
MW-1	12/12/02	4.1	5.4	19.1	3,630	80	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	3.4	ND	5.3	35.2	8.0	ND	ND	ND	201	613	2,454	2.1	ND	3,809
MW-1	Perm.							December 26-30, 2002 Areas 1 & 5																													
MW-1	03/11/03	4.4	5.0	20.1	8,820	48	99	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	8.3	ND	ND	90.5	19.4	ND	ND	ND	265	875	3,130	8.7	ND	9,116
MW-1	06/17/03	2.2	3.6	16.3	6,810	47	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.4	8.3	ND	13.8	91.8	18.4	ND	ND	ND	239	938	4,040	5.8	ND	7,124
MW-1	Perm.							July 9, 2003. Area 1 only.																													
MW-1	08/14/03	ND	ND	1.3	6,130	14.5	5.77	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	441	2,193	ND	ND	6,153
MW-1	02/13/04	5.96	4.23	21.3	10,200	153	92.8	ND	ND	ND	ND	ND	ND	ND	ND	153	1.93	ND	ND	ND	ND	1.98	1.78	13.0	3.30	1.96	136	29.6	ND	9.44	1.21	355	1040	4,970	11.9	ND	10,829
MW-1	ABC							Anaerobic BioChem (ABC) - May 1, 2004 at MW-1, 5, 7																													
MW-1	06/02/04	1.10	1.80	25.1	12,300	127	120	ND	ND	ND		ND	ND	ND	ND	ND	2.20	ND	ND	ND	ND	3.20	ND	15.0	1.10	24.8	176	34.6	ND	ND	1.3	766	1,910	9,220	13.9	ND	12,832
MW-1	10/07/04	ND	1.50	17.5	5,200	49.3	76.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	422	680	3,220	14.2	ND	5,345
MW-1	02/18/05	18.1	9.10	16.0	2,580	50.5	85.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.30	1.20	8.10	ND	13.8	92.2	19.8	ND	ND	ND	238	764	3,530	9.00	ND	2,897
MW-1	06/02/05	<5	<5	15.0	8,200	57.5	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	264	820	3,940	<25	ND	8,348
MW-1	09/28/05	--	--	17.8	12,400	133	112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	524	1380	6,580	11.90	ND	12,663
MW-1	12/20/05	0.94	2.37	15.6	11,900	28	97.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	394	1300	5,830	5.39	ND	12,044
MW-1	06/26/06	ND	ND	ND	5,280	ND	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	520	2,430	ND	ND	5,355
MW-1	09/27/06	ND	1.49	17.8	7,530	31.8	104	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99-I	ND	ND	ND	ND	ND	1.90	9.29	2.54	13.9	91.6	19.4	ND	ND	0.59-I	209	922	3,910	6.95	ND	7,824
MW-1	ABC+							ABC Plus injection - 11/30/06																													
MW-1	03/29/07	8.6	13.9	13.5	3,120	14.1	58.9	14.3	ND	ND	ND	ND	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.8	ND	ND	ND	ND	25.7	159	736	ND	ND	3,264
MW-1	09/07/07	ND	ND	ND	700	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	5.2	ND	ND	719
MW-1	03/10/08	ND	ND	ND	4,800	22	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	64	460	1,900	ND	ND	4,944
MW-1	ABC+							ABC Plus injection 4/08																													
MW-1	09/22/08	ND	ND	ND	2,200	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	94	460	ND	ND	2,232
MW-1*	04/20/09	ND	ND	ND	2,800	15	98	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	18	270	1,000	ND	ND	3,055
MW-1	06/30/09	ND	ND	5.3	2,200	12	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	18	3.9	ND	ND	ND	11	220	900	3.1	ND	2,326
MW-1	09/09/09	ND	ND	ND	6,500	28	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	69	550	2300	ND	ND	6,718
MW-1	03/02/10	ND	ND	ND	5,300	21	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	20	450	1900	ND	ND	5,521
MW-1	10/07/10	ND	ND	2.0	1,200	5.6	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	2.5	45	160	ND	ND	1,238
MW-1	09/27/12	ND	ND	ND	1,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	403	ND	ND	1,650
MW-1D	09/01/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	05/16/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.53	0.0
MW-1D	04/10/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	Fenton's Reagent			May 11-June 16, 2001																																	
MW-1D	06/27/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	Permanganate		February 20-25, 2002																																		
MW-1D	03/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	Permanganate		May 17-20 and June 4, 2002 (IP-17 & 19)																																		
MW-1D	06/27/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-1D	Permanganate	October 16-18, 2002. Area 1 only																																			
MW-1D	12/12/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	Injection 4	Permanganate - December 26-30, 2002 Areas 1 & 5																																			
MW-1D	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	Permanganate	July 9, 2003. Area 1 only.																																			
MW-1D	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-1D	ABC	Anaerobic BioChem (ABC) - May 1, 2004 at MW-1, 5, 7																																			
MW-1D	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-1D	10/07/04	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	1.9
MW-1D	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	ND	–	0.0
MW-1D	06/02/05	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
MW-1D	09/28/05	1.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
MW-1D	12/20/05	1.91	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3
MW-1D	06/26/06	1.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8
MW-1D	09/27/06	3.18	0.66-I	ND	0.86-I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.01-J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2
MW-1D	03/29/07	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.15
MW-1D	09/06/07	8.2	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.7
MW-1D	03/10/08	6.9	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1
MW-1D	09/22/08	15.0	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.9
MW-1D*	04/20/09	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
MW-1D	06/30/09	9.1	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.4
MW-1D	09/09/09	14.0	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.4
MW-1D	03/02/10	31.0	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.6
MW-1D	10/07/10	4.8	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8
MW-1D	09/27/12	51.9	7.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.1
MW-2	09/01/99	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9
MW-2	09/24/99	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	4.1
MW-2	05/16/00	7.97	1.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.58	10.0
MW-2	Fenton's	May 11-June 16, 2001																																			
MW-2	07/10/01	7.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.77	ND	ND	ND	4.28	1.98	ND	ND	ND	ND	ND	ND	1.84	ND	19.1
MW-2	Perm.	February 20-25, 2002																																			
MW-2	03/18/02	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2
MW-2	06/27/02	5.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1
MW-2	12/16/02	8.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8
MW-2	03/11/03	3.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8
MW-2	06/17/03	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0
MW-2	Na Lactate	and ethyl lactate - July 10-12, 2003 Area 2 only																																			
MW-2	08/14/03	3.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6
MW-2	02/13/04	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0
MW-2	06/02/04	3.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	3.6
MW-2	10/07/04	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	4.4
MW-2	02/18/05	4.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	4.2
MW-2	06/02/05	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5
MW-2	09/28/05	2.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7
MW-2	12/20/05	2.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3
MW-2	06/26/06	1.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
MW-2	03/02/10	1.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
MW-2	10/07/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	05/16/00	2.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5		2.6
MW-2	Fenton's Reagent	May 11-June 16, 2001																																			

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropaltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-2D	Permanganate	February 20-25, 2002																																			
MW-2D	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	Sodium lactate and ethyl lactate - July 10-12, 2003 Area 2 only																																				
MW-2D	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-2D	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-2D	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	12/20/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	06/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	03/29/07	8.2	32.7	ND	37.6	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35	3.95	15.2	ND	ND	79.1
MW-2D	09/06/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	03/11/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	09/22/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	04/20/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	09/09/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	03/02/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	10/07/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-2D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3	09/01/99	4,700	34.2	ND	11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	1,480	ND	ND	4,746
MW-3	09/24/99	2,040	60.4	40.2	660	14	63	ND	ND	ND	ND	ND	ND	19.5	19.6	127	7.8	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.8	ND	ND	3,064
MW-3	05/16/00	ND	ND	247	2,540	40	325	ND	ND	ND	ND	ND	ND	383	ND	460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.87	21.4	68.8	1.84	ND	3,995
MW-3	Fenton's	May 11-June 16, 2001																																			
MW-3	07/10/01	297	86.6	167	1,570	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	133	11.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.34	9.95	61.9	ND	ND	2,343
MW-3	03/18/02	125	2,180	1,220	>13,800	123	1,420	ND	ND	ND	ND	ND	ND	1,740	727	1,900	57.3	ND	50.7	ND	ND	ND	ND	ND	ND	ND	ND	4.2	2.4	ND	19.6	ND	121	386	1,530	21.4	ND	9,569
MW-3	06/27/02	37.8	183	306	6,800	81.5	242	ND	ND	ND	ND	ND	ND	451	231	729	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.6	119	327.1	ND	ND	9,088
MW-3	12/12/02	147	1,610	2,560	20,600	240	1,260	ND	ND	ND	ND	ND	ND	451	231	3,040	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	228	900	3,828	ND	ND	30,165
MW-3	03/11/03	709	3,870	2,740	17,700	190	1,810	ND	ND	ND	ND	ND	ND	4,600	1670	3,060	68.5	ND	51.7	ND	ND	ND	ND	ND	ND	ND	ND	10.1	1.1	ND	ND	ND	253	669	2,912	36.2	ND	36,480
MW-3	06/17/03	107	84	411	4,120	42.5	329	ND	ND	ND	ND	ND	ND	588	12.9	ND	ND	ND	5.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	38	213	5.98	ND	5,700
MW-3	08/14/03	40.9	50.9	176	2,760	88.4	136	ND	ND	ND	ND	ND	ND	145	105	214	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.46	12.6	60	ND	ND	3,734
MW-3	02/13/04	273	185	480	1,600	53.2	195	ND	ND	ND	ND	ND	316	316	144	486	ND	ND	3.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.91	ND	ND	1.29	8.38	3.20	ND	4,055
MW-3	06/02/04	144	86.8	175	1,600	21.7	96.1	ND	ND	ND	ND	ND	ND	78.2	ND	264	5.7	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.40	ND	ND	ND	ND	ND	--	2,477
MW-3	10/07/04	251	197	270	1,920	35.3	154	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	ND	--	2,827
MW-3	02/18/05	277	181	189	2,060	31.3	98.7	ND	ND	ND	ND	ND	ND	102	89.6	208	7.3	ND	3.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	2.6	12.8	ND	--	3,253
MW-3	06/02/05	455	139	122	1,440	18.2	52.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	43.2	<5	ND	2,226
MW-3	09/28/05	228	122	132	1,280	14.6	45.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,822
MW-3	12/20/05	763	521	186	3,500	18.8	62.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.77	4.86	43.2	ND	ND	5,052
MW-3	06/28/06	108	185	195	2,840	34.6	154	ND	ND	ND	ND	ND	ND	50.0	73.0	339	11.9	ND	5.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.8	ND	ND	3,996
MW-3	09/27/06	187	77.0	164	2,450	35.7	259	ND	ND	ND	ND	ND	21.7	27.7	ND	235	12.3	ND	11.1-J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.92	13.0	71.9	0.480-I	ND	3,469
MW-3	03/29/07	35	484	954	13,100	140	817	51.1	ND	ND	111	ND	ND	734	407	1200	32.2	ND	18.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.7	ND	68.4	339	1,400	11.2	ND	18,113
MW-3	09/07/07	ND	2,400	2,300	29,000	220	1,400	ND	ND	ND	ND	ND	ND	2600	1200	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	220	820	3,300	ND	ND	41,520
MW-3	02/08/08	290	650	1,100	15,000	120	780	ND	ND	ND	ND	ND	ND	1300	690	1500	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	110	410	1,600	ND	ND	21,491
MW-3	03/10/08	ND	1,000	1,700	21,000	170	1,100	ND	ND	ND	ND	ND	ND	1,700	650	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	580	2,300	ND	ND	29,120
MW-3	ABC	Anaerobic BioChem Plus (ABC Plus) - April 14-22 2008 at MW- 7, MW-3/3D, and MW-5																																			
MW-3	09/23/08	760	2,900	3,000	46,000	300	1,600	ND	ND	ND	ND	ND	ND	2,900	3,200	3,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	1,200	4,500	ND	ND	64,560
MW-3	04/20/09	1,500	5,600	3,800	42,000	370	1,700	ND	ND	ND	ND	ND	ND	4,400	4,200	4,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	520	1,300	4,800	ND	ND	67,670
MW-3	09/09/09	320	1,400	2,500	45,000	320	710	ND	ND	ND	ND	ND	ND	2,400	3,800	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	920	3,600	ND	ND	60,450
MW-3	03/03/10	290	1,000	2,400	45,000	270	1,700	ND	ND	ND	ND	ND	ND	2,400	3,100	3,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	1,100	4,600	ND	ND	59,960
MW-3	10/08/10	380	1,600	2,100	41,000	320	2,200	ND	ND	ND	ND	ND	ND	1,400	2,700	3,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	350	920	3,600	ND	ND	55,600
MW-3	09/27/12	ND	ND	ND	46,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,860	4,140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53,100

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-3D	Fenton's	May 11-June 16, 2001																																				
MW-3D	07/10/01	1.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
MW-3D	03/18/02	1.5	2.7	1.5	10.8	ND	ND	ND	ND	ND	ND	ND	ND	1.8	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.9
MW-3D	03/11/03	ND	ND	ND	3.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4
MW-3D	06/17/03	ND	ND	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
MW-3D	08/14/03	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6
MW-3D	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	10/07/04	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
MW-3D	02/18/05	1.00	ND	ND	3.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8
MW-3D	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	12/20/05	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4
MW-3D	06/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	09/27/06	ND	ND	ND	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
MW-3D	03/29/07	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58
MW-3D	09/06/07	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
MW-3D	03/10/08	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7
MW-3D	ABC	Anaerobic BioChem Plus (ABC Plus) - April 14-22 2008 at MW- 7, MW-3/3D, and MW-5																																				
MW-3D	09/23/08	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6
MW-3D	04/20/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-3D	09/09/09	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8
MW-3D	03/03/10	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4
MW-3D	10/08/10	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5
MW-3D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	09/01/99	2.4	7.4	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.7
MW-4	09/24/99	2.2	2	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7
MW-4	05/16/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	03/18/02	1.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6
MW-4	06/27/02	3.13	2.2	ND	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.6
MW-4	12/12/02	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
MW-4	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	08/14/03	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
MW-4	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	06/02/04	1.70	1.60	ND	2.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6
MW-4	10/07/04	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8
MW-4	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	09/28/05	1.24	1.01	ND	2.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7
MW-4	12/20/05	5.27	2.95	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66	2.45	ND	ND	10.0
MW-4	06/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	09/27/06	0.94-I	0.82-I	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.18
MW-4	03/30/07	2.11	4.36	ND	10.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	3.30	ND	ND	16.7
MW-4	09/06/07	2.4	2.2	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3
MW-4	03/10/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	09/22/08	11	19	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.0
MW-4	04/20/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	09/09/09	4	5	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.8
MW-4	03/02/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4	10/07/10	3.1	3.3	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.0
MW-4	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	07/10/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropaltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-4D	03/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	06/27/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	12/12/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-4D	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-4D	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-4D	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	12/20/05	2.01	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	ND	0.6	ND	3.3	
MW-4D	06/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	09/27/06	ND	ND	ND	0.82-I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.270-I	1.78	8.35	ND	ND	0.0
MW-4D	03/30/07	2.76	6.91	ND	21.6	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.03	3.75	ND	ND	31.6
MW-4D	09/06/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	03/10/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-4D	09/22/08	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	
MW-4D	04/20/09	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	
MW-4D	09/09/09	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	
MW-4D	03/02/10	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	
MW-4D	10/07/10	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	
MW-4D	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
MW-5	05/16/00	2,230	1,970	2.87	ND	6.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,216
MW-5	Fenton's Reage													May 11-June 16, 2001																								
MW-5	07/10/01	872	1,190	3.5	636	7.63	9.09	ND	ND	ND	ND	ND	ND	ND	2.53	4.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,726
MW-5	02/21/02	1,920	2,710	4.4	1140	10.7	7	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.5	ND	5,794
MW-5	Permanganate													February 20-25, 2002																								
MW-5	03/18/02	2470	3380	4.4	1160	13.2	8	ND	ND	ND	ND	ND	ND	ND	1.2	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	12.3	ND	7,040
MW-5	04/19/02	1240	2280	5	953	11.1	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.4	ND	ND	ND	7.4	12.3	4,495
MW-5	06/27/02	1,700	2,560	3.88	1,280	21.9	4.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56	25.1	144.6	2.03	ND	5,570
MW-5	07/15/02	1,350	2,360	3.46	1,290	21.4	4.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.63	3.33	2.11	ND	5,029
MW-5	12/16/02	1,850	1,780	5.53	1,080	20.8	7.48	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,745
MW-5	Permanganate													December 26-30, 2002 Areas 1 & 5																								
MW-5	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-5	06/17/03	1,120	1,560	ND	978	23.7	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,683
MW-5	08/14/03	1,570	1,630	2.64	1,110	15.8	2.55	ND	ND	ND	ND	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,333
MW-5	02/13/04	1,330	604	ND	288	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,226
MW-5	ABC													Anaerobic BioChem (ABC) - May 1, 2004 at MW-1, 5, 7																								
MW-5	06/02/04	1,160	1,640	4.40	1,120	14.0	7.90	123	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	--	4,072
MW-5	08/18/04	2,710	2,210	5.10	1,510	21.4	7.20	354	ND	36.8	ND	ND	ND	ND	ND	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.2	--	6,859
MW-5	10/07/04	1,820	2,540	4.6	2,000	18.6	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.5	--	6,391
MW-5	02/18/05	630	855	6.00	1,040	26.3	5.60	261	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	--	2,943
MW-5	06/02/05	800	1,870	6.00	1,860	20.9	7.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	6.4	18.8		4,564
MW-5	09/28/05	253	1,530	6.79	3,010	26.2	6.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.53	11.3	24.2		4,833
MW-5	12/20/05	184	764	7.91	2,860	19.7	5.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	2.97	12.7	28.6		3,841
MW-5	06/28/06	336	878	ND	2,850	17.1	7.25	607	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,695
MW-5	09/27/06	275	722	8.24	2,620	20.0	9.34	241	5.20	ND	ND	ND	ND	ND	0.930-I	4.16	ND	ND	ND	ND	2.34	0.490-I	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.45	31.7	ND	3,908
MW-5	ABC+																																					
MW-5	03/30/07	326	690	ND	3,060	19.9	11.6	509	ND	ND	ND	ND	ND	ND	ND	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.0	ND	4,621
MW-5	09/07/07	ND	ND	ND	3,500	24	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,603
MW-5	03/11/08	290	560	ND	2,200	16	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,109

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichlorocthene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Caben Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-5	ABC+	Anaerobic BioChem Plus (ABC Plus) - April 14-22 2008 at MW- 7, MW-3/3D, and MW-5																																			
MW-5	09/23/08	ND	ND	ND	2,800	18.0	160	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,338
MW-5	04/20/09	ND	ND	ND	2,400	15.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,415
MW-5	09/09/09	ND	ND	ND	2,000	14	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,494
MW-5	03/02/10	ND	ND	5.9	2,100	10	9.2	ND	ND	ND	13	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	2,144
MW-5	10/07/10	ND	ND	ND	1,600	9	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,690
MW-5	09/27/12	70	244	ND	750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,064
MW-6R	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-7	04/10/01	758	677	1.42	982	7.47	20.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.1	69.2	395.4	ND	ND	2,446
MW-7	Fenton's	May 11-June 16, 2001																																			
MW-7	06/27/01	7,860	4,150	2.86	5,880	68.7	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	2.86	ND	ND	1.48	ND	ND	ND	ND	69.3	1,020	3,430	ND	ND	18,157
MW-7	08/09/01	5.1	9.62	24	10,900	53.5	69.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.01	ND	ND	ND	ND	ND	ND	11.6	ND	ND	120	26.3	ND	ND	1.2	446	1,010	3,016	ND	ND	11,221
MW-7	02/21/02	6,250	3,690	9.1	3,460	25.1	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	35.3	618	3,219	ND	ND	13,575
MW-7	Perm.	February 20-25, 2002																																			
MW-7	03/18/02	16,400	>6,920	12	>7,250	46.3	240	ND	ND	ND	ND	ND	ND	ND	7.7	ND	ND	ND	ND	ND	ND	ND	ND	7.7	ND	2.3	4.9	12.5	ND	5.9	ND	70	1,580	8,000	3.1	ND	16,739
MW-7	04/19/02	4,410	2,560	3.6	2,240	17	50.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	2	ND	ND	ND	13.4	263	1,719	ND	ND	9,284
MW-7	Perm.	May 17-20 and June 4, 2002 (IP-17 & 19)																																			
MW-7	06/27/02	4,630	2,950	8.06	4,140	39.1	149	ND	ND	ND	ND	ND	ND	ND	4.58	ND	ND	ND	ND	ND	ND	ND	ND	2.65	ND	ND	1.31	ND	ND	ND	ND	25.9	332	2,230	ND	ND	11,925
MW-7	07/15/02	7,760	4,270	8.89	4,150	52.6	55.2	ND	ND	ND	ND	ND	ND	10.2	6.4	ND	ND	ND	ND	ND	ND	ND	ND	4.08	ND	ND	2.63	1.25	ND	ND	ND	39.3	809	4,270	1.05	ND	16,321
MW-7	10/16/02	11,700	7,700	15.9	8,480	103	294	ND	ND	ND	ND	ND	ND	ND	11.8	ND	ND	ND	ND	ND	ND	ND	ND	13.8	ND	2.84	6.35	2.73	ND	ND	ND	89.4	1900	9,870	1.8	ND	28,330
MW-7	Perm.	October 16-18, 2002. Area 1 only																																			
MW-7	11/01/02	1,860	6,280	21.7	4,880	74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.59	ND	ND	4.49	2.51	ND	ND	1.35	106	1380	7,230	ND	ND	13,130
MW-7	12/12/02	9,980	4,690	20.9	6,440	78.8	239	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	11.7	ND	2.63	4.41	2.24	ND	ND	1.14	116	1450	10,950	ND	ND	21,480
MW-7	Perm.	December 26-30, 2002 Areas 1 & 5																																			
MW-7	03/11/03	5,720	2,350	5.3	2,040	14.3	58.8	ND	ND	ND	ND	ND	ND	ND	2.99	ND	ND	ND	ND	ND	ND	ND	ND	4.13	ND	ND	3.16	ND	ND	ND	ND	38.2	842	3,383	ND	ND	10,199
MW-7	06/17/03	1,280	1,030	5.1	2,480	61.8	103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	356	1,606	ND	ND	4,960
MW-7	Perm.	July 9, 2003. Area 1 only.																																			
MW-7	02/13/04	13,200	5,250	7.89	6,660	97.3	641	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.9	ND	1.96	8.11	2.26	ND	9.44	ND	114	2190	9,770	1.16	ND	25,891
MW-7	ABC	Anaerobic BioChem (ABC) - May 1, 2004 at MW-1, 5, 7																																			
MW-7	06/02/04	15,000	7,000	13.4	5,750	106	197	ND	ND	--		ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.9	ND	2.30	4.6	2.10	ND	25.6	ND	80.9	2,510	11,000	ND	--	28,121
MW-7	08/18/04	12,300	5,900	11.5	6,500	150	137	ND	ND	1.5		ND	5.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3	ND	1.80	3.80	1.60	ND	17.7	ND	57.2	2,140	9,000	ND	--	25,037
MW-7	10/07/04	5,680	3,640	4.2	3,540	16.1	40.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	1,030	4,260	6.0	--	12,921
MW-7	02/18/05	2,480	1,280	7.50	780	35.0	104	ND	ND	ND		ND	ND	ND	3.90	ND	ND	ND	ND	ND	ND	ND	ND	6.50	ND	ND	3.5	1.40	ND	7.10	ND	35.3	1,110	4,170	ND	--	4,709
MW-7	06/02/05	6440	3090	6.1	2690	33.7	81.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.8	620	2,810	ND	ND	12,342
MW-7	09/28/05	4980	5390	7.9	4010	30.2	96.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.8	ND	2,660	ND	ND	14,515
MW-7	12/20/05	6560	4840	13.3	5290	43.5	156	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59	59.0	1,350	5,440	0.18	ND	16,903
MW-7	06/26/06	6,060	4,640	ND	2,930	ND	120	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,020	4,040	ND	ND	13,750
MW-7	09/28/06	2,900	3,220	8.60	2,480	15.5	81.2	2.44	ND	ND		ND	1.98	ND	3.19	ND	ND	ND	ND	ND	ND	ND	ND	5.63	ND	1.24	3.25	1.17	ND	1.54	ND	23.0	625	2,350	0.680-I	ND	8,726
MW-7	ABC+	Anaerobic BioChem Plus (ABC Plus) - Nov. 27-30, 2006 at MW- 7																																			
MW-7	03/29/07	3,530	5,850	15.2	5,810	23.9	132	21.0	20.7	1.53	ND	ND	ND	1.23	4.88	0.75	ND	ND	ND	ND	ND	ND	ND	7.20	ND	2.02	7.08	2.39	ND	5.60	0.45	39.4	1,240	4,650	0.7	ND	15,435
MW-7	09/07/07	ND	1,300	ND	21,000	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,900	7,300	ND	ND	22,650
MW-7	03/10/08	41	250	ND	3,900	ND	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340	1,500	ND	ND	4,361
MW-7	ABC+	Anaerobic BioChem Plus (ABC Plus) - April 14-22 2008 at MW- 7, MW-3/3D, and MW-5																																			
MW-7	09/22/08	ND	38	ND	7,300	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.0	810	3,400	ND	ND	7,738
MW-7	04/21/09	ND	ND	ND	550	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	790	ND	ND	890
MW-7	09/09/09	ND	ND	ND	340	ND	450	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	750	3,300	ND	ND	790
MW-7	03/02/10	ND	ND	ND	870	ND	730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	1,300	5,700	ND	ND	1,600
MW-7	10/07/10	ND	ND	ND	850	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	210	870	ND	ND	990
MW-7	09/27/12	ND	ND	ND	1,890	ND	472	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	431	1,720	ND	ND	2,362
MW-8	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.68	ND	ND	ND	ND	0.0
MW-8	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Carbon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-8	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-8	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-8	02/18/05	50.6	39.5	ND	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1	32.5	ND	–	111
MW-8	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	12/20/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28	ND	0.0
MW-8	06/26/06	1.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
MW-8	09/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6
MW-8	03/29/07	ND	0.59	ND	11.6	ND	ND	ND	ND	ND	ND	ND	ND	0.52	0.44	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62	ND	ND	13.9
MW-8	09/06/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	03/10/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	09/22/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	0.0
MW-8	04/21/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	09/09/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	03/03/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	10/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-8	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	03/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	Permanganate May 17-20 and June 4, 2002 (IP-17 & 19)																																				
MW-9	Permanganate October 16-18, 2002. Area 1 only																																				
MW-9	12/16/02	3.31	2.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1
MW-9	Permanganate December 26-30, 2002 Areas 1 & 5																																				
MW-9	Injection 5 Permanganate - July 9, 2003. Area 1 only.																																				
MW-9	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	Anaerobic BioChem (ABC) - May 1, 2004 at MW-1, 5, 7																																				
MW-9	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-9	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-9	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
MW-9	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	12/20/05	1.49	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	1.8
MW-9	06/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	09/27/06	0.71-I	ND	ND	0.59-I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7
MW-9	03/29/07	4.31	12.4	ND	7.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.94	7.58	ND	ND	24.4
MW-9	09/07/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	03/10/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	09/23/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	04/21/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	09/10/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	03/03/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	10/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-9	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	07/10/01	8.63	3.58	ND	2.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5
MW-10	Permanganate February 20-25, 2002																																				
MW-10	03/18/02	7.9	3.4	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	15.9
MW-10	06/27/02	8.7	3.47	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.7
MW-10	12/12/02	–	1.15	ND	4.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4
MW-10	03/11/03	16.6	3.34	ND	1.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.7
MW-10	06/17/03	7.55	–	ND	1.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7
MW-10	Sodium lactate and ethyl lactate - July 10-12, 2003 Area 2 only																																				
MW-10	08/14/03	4.38	ND	ND	3.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7
MW-10	02/13/04	ND	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropaltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-10	06/02/04	10.7	2.40	ND	1.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	14.6
MW-10	10/07/04	6.0	1.4	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	9.4
MW-10	02/18/05	2.6	1.0	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	4.6
MW-10	06/02/05	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8
MW-10	09/28/05	1.2	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8
MW-10	12/20/05	1.5	1.4	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	ND	ND	4.8
MW-10	06/26/06	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7
MW-10	09/28/06	4.11	1.12	ND	1.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5
MW-10	03/29/07	7.52	23.5	ND	19.8	ND	ND	ND	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	3.19	12.0	ND	ND	51.3
MW-10	09/07/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	03/11/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	09/22/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	04/21/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	09/10/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	03/02/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	10/07/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-10	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	03/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	1.2
MW-11	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-11	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-11	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-11	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	12/20/05	1.05	0.44	ND	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND	1.8
MW-11	06/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	09/09/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-11	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	03/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	1.3
MW-12	12/12/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	0.0
MW-12	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.49	ND	ND	ND	0.0
MW-12	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.47	ND	1.9	ND	ND	0.0
MW-12	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-12	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-12	02/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
MW-12	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	12/20/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	06/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-12	09/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-13	08/14/03	ND	ND	ND	37.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.47	ND	ND	ND	ND	ND	37.4
MW-13	02/13/04	ND	ND	ND	11.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.9
MW-13	06/02/04	ND	ND	ND	2.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	--	2.1
MW-13	02/18/05	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	--	2.5
MW-13	06/02/05	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
MW-13	09/28/05	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7
MW-13	12/20/05	ND	ND	ND	2.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6
MW-13	06/26/06	ND	ND	ND	1.72	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7
MW-14	08/14/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-14	02/13/04	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
MW-14	06/02/04	ND	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.4	ND	ND	ND	--	2.6

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-14	02/18/05	ND	1.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	1.9
MW-14	06/02/05	ND	2.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1
MW-14	09/28/05	ND	2.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2
MW-14	12/20/05	ND	2.10	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6
MW-14	06/26/06	ND	1.66	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7
MW-14	09/10/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-15	09/27/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Water Supply Wells																																					
WS-1	12/12/02	ND	2.17	ND	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4
WS-1	03/11/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	08/14/03	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
WS-1	02/13/04	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	10/07/04	ND	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	1.2
WS-1	02/18/05	ND	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	1.2
WS-1	06/02/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	09/28/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-1	12/20/05	2.98	1.62	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	0.97	ND	ND	5.5
WSW-1	06/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	09/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55
WSW-1	03/30/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	09/06/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	03/10/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	09/22/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	04/21/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	09/09/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	03/02/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	10/07/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-1	**Abandoned 9/2012**																																				
WSW-2	03/03/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WSW-2	**Abandoned 9/2012**																																				
WS-3	12/12/02	2.17	3.55	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.8
WS-3	03/11/03	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
WS-3	06/17/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
WS-3	08/14/03	ND	ND	ND	37.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	37.4
WS-3	02/13/04	ND	ND	ND	11.9	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.9
WS-3	06/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	0.0
WS-3	10/07/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	0.0
WS-3	**Abandoned 9/2012**																																				
Surface Water Samples																																					
SW-1	09/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.350-I	ND	ND	ND	ND	0.0
SW-2	09/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
SW-2	09/26/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
SW-3	09/26/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
QA/QC Samples																																					
MW-3D	Duplicate	ND	ND	ND	0.580-I	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
MW-7 DUP	03/29/07	3,010	4,890	ND	5,430	20	106	38.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	14.4	ND	33.6	1,080	3870	ND	ND	13,516
MW-7 DUP	09/07/07	110	1,400	ND	21,000	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400	5500	ND	ND	22,850

APPENDIX C. GROUND WATER ANALYTICAL RESULTS SUMMARY - FORMER DUCANE FACILITY, BLACKVILLE, SC

Well	Date	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	2-Butanone (MEK)	Carbon disulfide	Cabon Tetrachloride	Dibromochloromethane	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropalloluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Methylene Cholride	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Total CVOCs
SC MCL		5	5	7	70	100	2	NA	NA	NA	5	NA	NA	200	5	NA	5	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	5	1K	700	10K	NA	NA	
MW-7 DUP	03/10/08	34	220	ND	4,000	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340	1500	ND	ND	4,454
MW-7 DUP	04/21/09	ND	ND	ND	580	ND	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	810	ND	ND	940
MW-3 DUP	09/10/09	210	1,400	2,700	46,000	330	1,500	ND	ND	ND	ND	ND	ND	2,800	3,700	4,300	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	360	880	3,500	ND	ND	63,190
MW-3 DUP	03/03/10	260	970	2,600	42,000	290	1,900	ND	ND	ND	ND	ND	ND	2,500	2,800	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	1,000	4,400	ND	ND	57,320
MW-3 DUP	10/08/10	260	1,300	1,700	36,000	270	1,300	ND	ND	ND	ND	ND	ND	1,100	2,200	3,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	680	2,800	ND	ND	47,330
MW-1 DUP	09/27/12	ND	ND	ND	1,680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101	433	ND	ND	1,680
Trip Blank	09/27/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trip Blank	03/30/07	ND	ND	ND	ND	ND	ND	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
Trip Blank	08/30/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trip Blank	03/04/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
Trip Blank	04/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trip Blank	09/10/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trip Blank	10/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0

I - Analyte detected at a level less than the reporting limit and greater than the MDL

J - The reported value failed to meet quality control criteria for precision or accuracy

Appendix D
Laboratory Analytical Report

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 10/10/2012

GCAL Report 212092809

Deliver To	ERM 200 Wingo Way Suite 101 Mount Pleasant, SC 29464 843-416-5126 Ext. direc
Attn	Christopher Stang

Project Allied Air 140261

CASE NARRATIVE

Client: ERM SC **Report:** 212092809

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 21209280901 (MW-1), 21209280905 (MW-3), 21209280909 (MW-5), 21209280911 (MW-7) and 21209280919 (DUP-1) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

In the SW-846 8260B analysis for analytical batch 491194, the MS exhibited a high recovery for Tetrachloroethene. The MSD and LCS/LCSD recoveries are acceptable.

In the SW-846 8260B analysis for analytical batch 491083, the LCS recovery is above the upper control limit for 1,2,4-Trichlorobenzene. This compound was not detected in the associated samples.

CONVENTIONALS

Sulfite is a field parameter and should be performed within 15 minutes after sample collection. The samples were analyzed on the day of receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues
Technical Director
GCAL REPORT 212092809

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280901	MW-1	Water	09/27/2012 08:20	09/28/2012 09:20
21209280902	MW-1D	Water	09/27/2012 08:20	09/28/2012 09:20
21209280903	MW-2	Water	09/27/2012 09:10	09/28/2012 09:20
21209280904	MW-2D	Water	09/27/2012 09:00	09/28/2012 09:20
21209280905	MW-3	Water	09/27/2012 14:05	09/28/2012 09:20
21209280906	MW-3D	Water	09/27/2012 14:00	09/28/2012 09:20
21209280907	MW-4	Water	09/27/2012 09:55	09/28/2012 09:20
21209280908	MW-4D	Water	09/27/2012 09:55	09/28/2012 09:20
21209280909	MW-5	Water	09/27/2012 11:55	09/28/2012 09:20
21209280910	MW-6R	Water	09/27/2012 10:50	09/28/2012 09:20
21209280911	MW-7	Water	09/27/2012 11:20	09/28/2012 09:20
21209280912	MW-8	Water	09/27/2012 14:10	09/28/2012 09:20
21209280913	MW-10	Water	09/27/2012 13:10	09/28/2012 09:20
21209280914	MW-11	Water	09/27/2012 13:20	09/28/2012 09:20
21209280915	MW-14	Water	09/27/2012 13:15	09/28/2012 09:20
21209280916	MW-15	Water	09/27/2012 12:00	09/28/2012 09:20
21209280917	SW-2	Water	09/26/2012 14:20	09/28/2012 09:20
21209280918	SW-3	Water	09/26/2012 13:45	09/28/2012 09:20
21209280919	DUP-1	Water	09/27/2012 00:00	09/28/2012 09:20
21209280920	DUP-2	Water	09/27/2012 00:00	09/28/2012 09:20
21209280921	EB-1	Water	09/26/2012 09:00	09/28/2012 09:20
21209280922	FB-1	Water	09/26/2012 09:05	09/28/2012 09:20
21209280923	EB-2	Water	09/27/2012 07:10	09/28/2012 09:20
21209280924	FB-2	Water	09/27/2012 07:15	09/28/2012 09:20
21209280925	TRIP BLANK	Water	09/27/2012 00:00	09/28/2012 09:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280901	MW-1	Water	09/27/2012 08:20	09/28/2012 09:20

EPA 353.2 Nitrite

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	0.012	0.010		mg/L-N

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
540-59-0	1,2-Dichloroethene(Total)	1650	200		ug/L
1330-20-7	Xylene (total)	403	300		ug/L
156-59-2	cis-1,2-Dichloroethene	1650	100		ug/L
136777-61-2	m,p-Xylene	290	200		ug/L
95-47-6	o-Xylene	113	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280902	MW-1D	Water	09/27/2012 08:20	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	51.9	5.00		ug/L
79-01-6	Trichloroethene	7.21	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280903	MW-2	Water	09/27/2012 09:10	09/28/2012 09:20

EPA 353.2 Nitrate

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	0.468	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280905	MW-3	Water	09/27/2012 14:05	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
79-00-5	1,1,2-Trichloroethane	2860	2500		ug/L
75-34-3	1,1-Dichloroethane	4140	2500		ug/L
540-59-0	1,2-Dichloroethene(Total)	46100	5000		ug/L
156-59-2	cis-1,2-Dichloroethene	46100	2500		ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280909	MW-5	Water	09/27/2012 11:55	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
540-59-0	1,2-Dichloroethene(Total)	756	50.0		ug/L
127-18-4	Tetrachloroethene	70.0	25.0		ug/L
79-01-6	Trichloroethene	244	25.0		ug/L
156-59-2	cis-1,2-Dichloroethene	750	25.0		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280910	MW-6R	Water	09/27/2012 10:50	09/28/2012 09:20

EPA 353.2 Nitrate

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	0.965	0.020		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280911	MW-7	Water	09/27/2012 11:20	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
540-59-0	1,2-Dichloroethene(Total)	1890	200		ug/L
100-41-4	Ethylbenzene	431	100		ug/L
75-01-4	Vinyl chloride	472	100		ug/L
1330-20-7	Xylene (total)	1720	300		ug/L
156-59-2	cis-1,2-Dichloroethene	1890	100		ug/L
136777-61-2	m,p-Xylene	1270	200		ug/L
95-47-6	o-Xylene	450	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280916	MW-15	Water	09/27/2012 12:00	09/28/2012 09:20

SW-846 9038 Sulfate

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	20.2	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280919	DUP-1	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
540-59-0	1,2-Dichloroethene(Total)	1680	200		ug/L
100-41-4	Ethylbenzene	101	100		ug/L
1330-20-7	Xylene (total)	433	300		ug/L
156-59-2	cis-1,2-Dichloroethene	1680	100		ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280919	DUP-1	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
136777-61-2	m,p-Xylene	312	200		ug/L
95-47-6	o-Xylene	121	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280901	MW-1	Water	09/27/2012 08:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:02	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	100		ug/L
71-55-6	1,1,1-Trichloroethane	ND	100		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	100		ug/L
79-00-5	1,1,2-Trichloroethane	ND	100		ug/L
75-34-3	1,1-Dichloroethane	ND	100		ug/L
75-35-4	1,1-Dichloroethene	ND	100		ug/L
563-58-6	1,1-Dichloropropene	ND	100		ug/L
96-18-4	1,2,3-Trichloropropane	ND	100		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	100		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	100		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	100		ug/L
106-93-4	1,2-Dibromoethane	ND	100		ug/L
95-50-1	1,2-Dichlorobenzene	ND	100		ug/L
107-06-2	1,2-Dichloroethane	ND	100		ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1650**	**200**		**ug/L**
78-87-5	1,2-Dichloropropane	ND	100		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	100		ug/L
541-73-1	1,3-Dichlorobenzene	ND	100		ug/L
142-28-9	1,3-Dichloropropane	ND	100		ug/L
106-46-7	1,4-Dichlorobenzene	ND	100		ug/L
594-20-7	2,2-Dichloropropane	ND	100		ug/L
78-93-3	2-Butanone	ND	100		ug/L
95-49-8	2-Chlorotoluene	ND	100		ug/L
591-78-6	2-Hexanone	ND	100		ug/L
106-43-4	4-Chlorotoluene	ND	100		ug/L
99-87-6	4-Isopropyltoluene	ND	100		ug/L
108-10-1	4-Methyl-2-pentanone	ND	100		ug/L
67-64-1	Acetone	ND	100		ug/L
71-43-2	Benzene	ND	100		ug/L
108-86-1	Bromobenzene	ND	100		ug/L
74-97-5	Bromochloromethane	ND	100		ug/L
75-27-4	Bromodichloromethane	ND	100		ug/L
75-25-2	Bromoform	ND	100		ug/L
74-83-9	Bromomethane	ND	100		ug/L
75-15-0	Carbon disulfide	ND	100		ug/L
56-23-5	Carbon tetrachloride	ND	100		ug/L
108-90-7	Chlorobenzene	ND	100		ug/L
75-00-3	Chloroethane	ND	100		ug/L
67-66-3	Chloroform	ND	100		ug/L
74-87-3	Chloromethane	ND	100		ug/L
124-48-1	Dibromochloromethane	ND	100		ug/L
74-95-3	Dibromomethane	ND	100		ug/L
75-71-8	Dichlorodifluoromethane	ND	100		ug/L
100-41-4	Ethylbenzene	ND	100		ug/L
87-68-3	Hexachlorobutadiene	ND	100		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	100		ug/L
74-88-4	Methyl iodide	ND	100		ug/L
75-09-2	Methylene chloride	ND	100		ug/L
91-20-3	Naphthalene	ND	100		ug/L
100-42-5	Styrene	ND	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280901	**MW-1**	Water	09/27/2012 08:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:02	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	100		ug/L
108-88-3	Toluene	ND	100		ug/L
79-01-6	Trichloroethene	ND	100		ug/L
75-69-4	Trichlorofluoromethane	ND	100		ug/L
76-13-1	Trichlorotrifluoroethane	ND	100		ug/L
108-05-4	Vinyl acetate	ND	100		ug/L
75-01-4	Vinyl chloride	ND	100		ug/L
1330-20-7	**Xylene (total)**	**403**	**300**		**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1650**	**100**		**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	100		ug/L
136777-61-2	**m,p-Xylene**	**290**	**200**		**ug/L**
104-51-8	n-Butylbenzene	ND	100		ug/L
103-65-1	n-Propylbenzene	ND	100		ug/L
95-47-6	**o-Xylene**	**113**	**100**		**ug/L**
135-98-8	sec-Butylbenzene	ND	100		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	100		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	100		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	100		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	100		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1010	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	1000	983	ug/L	98	77 - 127
2037-26-5	Toluene d8	1000	1010	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1010	ug/L	101	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:40	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	**Nitrite**	**0.012**	**0.010**		**mg/L-N**

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 15:50	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280901	MW-1	Water	09/27/2012 08:20	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:05	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280902	MW-1D	Water	09/27/2012 08:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:00	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280902	MW-1D	Water	09/27/2012 08:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:00	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	**Tetrachloroethene**	**51.9**	**5.00**		**ug/L**
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	**Trichloroethene**	**7.21**	**5.00**		**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	48.7	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.1	ug/L	100	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280903	MW-2	Water	09/27/2012 09:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:21	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280903	MW-2	Water	09/27/2012 09:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:21	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	48.5	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	51.7	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:43	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 15:54	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	**Nitrate**	**0.468**	**0.010**		**mg/L-N**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280903	MW-2	Water	09/27/2012 09:10	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:06	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280904	MW-2D	Water	09/27/2012 09:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:43	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280904	MW-2D	Water	09/27/2012 09:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:43	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	49	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.6	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.1	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280905	MW-3	Water	09/27/2012 14:05	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			500	09/29/2012 19:03	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	2500		ug/L
71-55-6	1,1,1-Trichloroethane	ND	2500		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	2500		ug/L
79-00-5	**1,1,2-Trichloroethane**	**2860**	**2500**		**ug/L**
75-34-3	**1,1-Dichloroethane**	**4140**	**2500**		**ug/L**
75-35-4	1,1-Dichloroethene	ND	2500		ug/L
563-58-6	1,1-Dichloropropene	ND	2500		ug/L
96-18-4	1,2,3-Trichloropropane	ND	2500		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	2500		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	2500		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	2500		ug/L
106-93-4	1,2-Dibromoethane	ND	2500		ug/L
95-50-1	1,2-Dichlorobenzene	ND	2500		ug/L
107-06-2	1,2-Dichloroethane	ND	2500		ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**46100**	**5000**		**ug/L**
78-87-5	1,2-Dichloropropane	ND	2500		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	2500		ug/L
541-73-1	1,3-Dichlorobenzene	ND	2500		ug/L
142-28-9	1,3-Dichloropropane	ND	2500		ug/L
106-46-7	1,4-Dichlorobenzene	ND	2500		ug/L
594-20-7	2,2-Dichloropropane	ND	2500		ug/L
78-93-3	2-Butanone	ND	2500		ug/L
95-49-8	2-Chlorotoluene	ND	2500		ug/L
591-78-6	2-Hexanone	ND	2500		ug/L
106-43-4	4-Chlorotoluene	ND	2500		ug/L
99-87-6	4-Isopropyltoluene	ND	2500		ug/L
108-10-1	4-Methyl-2-pentanone	ND	2500		ug/L
67-64-1	Acetone	ND	2500		ug/L
71-43-2	Benzene	ND	2500		ug/L
108-86-1	Bromobenzene	ND	2500		ug/L
74-97-5	Bromochloromethane	ND	2500		ug/L
75-27-4	Bromodichloromethane	ND	2500		ug/L
75-25-2	Bromoform	ND	2500		ug/L
74-83-9	Bromomethane	ND	2500		ug/L
75-15-0	Carbon disulfide	ND	2500		ug/L
56-23-5	Carbon tetrachloride	ND	2500		ug/L
108-90-7	Chlorobenzene	ND	2500		ug/L
75-00-3	Chloroethane	ND	2500		ug/L
67-66-3	Chloroform	ND	2500		ug/L
74-87-3	Chloromethane	ND	2500		ug/L
124-48-1	Dibromochloromethane	ND	2500		ug/L
74-95-3	Dibromomethane	ND	2500		ug/L
75-71-8	Dichlorodifluoromethane	ND	2500		ug/L
100-41-4	Ethylbenzene	ND	2500		ug/L
87-68-3	Hexachlorobutadiene	ND	2500		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	2500		ug/L
74-88-4	Methyl iodide	ND	2500		ug/L
75-09-2	Methylene chloride	ND	2500		ug/L
91-20-3	Naphthalene	ND	2500		ug/L
100-42-5	Styrene	ND	2500		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280905	MW-3	Water	09/27/2012 14:05	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			500	09/29/2012 19:03	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	2500		ug/L
108-88-3	Toluene	ND	2500		ug/L
79-01-6	Trichloroethene	ND	2500		ug/L
75-69-4	Trichlorofluoromethane	ND	2500		ug/L
76-13-1	Trichlorotrifluoroethane	ND	2500		ug/L
108-05-4	Vinyl acetate	ND	2500		ug/L
75-01-4	Vinyl chloride	ND	2500		ug/L
1330-20-7	Xylene (total)	ND	7500		ug/L
156-59-2	**cis-1,2-Dichloroethene**	**46100**	**2500**		**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	2500		ug/L
136777-61-2	m,p-Xylene	ND	5000		ug/L
104-51-8	n-Butylbenzene	ND	2500		ug/L
103-65-1	n-Propylbenzene	ND	2500		ug/L
95-47-6	o-Xylene	ND	2500		ug/L
135-98-8	sec-Butylbenzene	ND	2500		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	2500		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	2500		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	2500		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	2500		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	25000	25000	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	25000	25200	ug/L	101	77 - 127
2037-26-5	Toluene d8	25000	25300	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	25000	25100	ug/L	100	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:44	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 15:55	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280905	MW-3	Water	09/27/2012 14:05	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:06	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280906	MW-3D	Water	09/27/2012 14:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:44	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280906	MW-3D	Water	09/27/2012 14:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:44	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	49.4	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51	ug/L	102	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280907	MW-4	Water	09/27/2012 09:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 20:04	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280907	MW-4	Water	09/27/2012 09:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 20:04	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.7	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	47.6	ug/L	95	77 - 127
2037-26-5	Toluene d8	50	50.7	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.1	ug/L	100	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:46	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 15:56	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280907	MW-4	Water	09/27/2012 09:55	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:07	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280908	MW-4D	Water	09/27/2012 09:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 20:26	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280908	MW-4D	Water	09/27/2012 09:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 20:26	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.9	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	48	ug/L	96	77 - 127
2037-26-5	Toluene d8	50	51.8	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.2	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280909	**MW-5**	Water	09/27/2012 11:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	09/29/2012 16:18	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0		ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0		ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0		ug/L
75-34-3	1,1-Dichloroethane	ND	25.0		ug/L
75-35-4	1,1-Dichloroethene	ND	25.0		ug/L
563-58-6	1,1-Dichloropropene	ND	25.0		ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0		ug/L
106-93-4	1,2-Dibromoethane	ND	25.0		ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0		ug/L
107-06-2	1,2-Dichloroethane	ND	25.0		ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**756**	**50.0**		**ug/L**
78-87-5	1,2-Dichloropropane	ND	25.0		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0		ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0		ug/L
142-28-9	1,3-Dichloropropane	ND	25.0		ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0		ug/L
594-20-7	2,2-Dichloropropane	ND	25.0		ug/L
78-93-3	2-Butanone	ND	25.0		ug/L
95-49-8	2-Chlorotoluene	ND	25.0		ug/L
591-78-6	2-Hexanone	ND	25.0		ug/L
106-43-4	4-Chlorotoluene	ND	25.0		ug/L
99-87-6	4-Isopropyltoluene	ND	25.0		ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0		ug/L
67-64-1	Acetone	ND	25.0		ug/L
71-43-2	Benzene	ND	25.0		ug/L
108-86-1	Bromobenzene	ND	25.0		ug/L
74-97-5	Bromochloromethane	ND	25.0		ug/L
75-27-4	Bromodichloromethane	ND	25.0		ug/L
75-25-2	Bromoform	ND	25.0		ug/L
74-83-9	Bromomethane	ND	25.0		ug/L
75-15-0	Carbon disulfide	ND	25.0		ug/L
56-23-5	Carbon tetrachloride	ND	25.0		ug/L
108-90-7	Chlorobenzene	ND	25.0		ug/L
75-00-3	Chloroethane	ND	25.0		ug/L
67-66-3	Chloroform	ND	25.0		ug/L
74-87-3	Chloromethane	ND	25.0		ug/L
124-48-1	Dibromochloromethane	ND	25.0		ug/L
74-95-3	Dibromomethane	ND	25.0		ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0		ug/L
100-41-4	Ethylbenzene	ND	25.0		ug/L
87-68-3	Hexachlorobutadiene	ND	25.0		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0		ug/L
74-88-4	Methyl iodide	ND	25.0		ug/L
75-09-2	Methylene chloride	ND	25.0		ug/L
91-20-3	Naphthalene	ND	25.0		ug/L
100-42-5	Styrene	ND	25.0		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280909	MW-5	Water	09/27/2012 11:55	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	09/29/2012 16:18	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	**Tetrachloroethene**	**70.0**	**25.0**		**ug/L**
108-88-3	Toluene	ND	25.0		ug/L
79-01-6	**Trichloroethene**	**244**	**25.0**		**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0		ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0		ug/L
108-05-4	Vinyl acetate	ND	25.0		ug/L
75-01-4	Vinyl chloride	ND	25.0		ug/L
1330-20-7	Xylene (total)	ND	75.0		ug/L
156-59-2	**cis-1,2-Dichloroethene**	**750**	**25.0**		**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	25.0		ug/L
136777-61-2	m,p-Xylene	ND	50.0		ug/L
104-51-8	n-Butylbenzene	ND	25.0		ug/L
103-65-1	n-Propylbenzene	ND	25.0		ug/L
95-47-6	o-Xylene	ND	25.0		ug/L
135-98-8	sec-Butylbenzene	ND	25.0		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	250	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	250	252	ug/L	101	77 - 127
2037-26-5	Toluene d8	250	252	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	253	ug/L	101	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:47	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 15:57	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280909	MW-5	Water	09/27/2012 11:55	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:08	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280910	MW-6R	Water	09/27/2012 10:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 16:41	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280910	MW-6R	Water	09/27/2012 10:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 16:41	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.4	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:48	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	09/28/2012 16:11	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	**Nitrate**	**0.965**	**0.020**		**mg/L-N**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280910	MW-6R	Water	09/27/2012 10:50	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:31	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280911	MW-7	Water	09/27/2012 11:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:23	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	100		ug/L
71-55-6	1,1,1-Trichloroethane	ND	100		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	100		ug/L
79-00-5	1,1,2-Trichloroethane	ND	100		ug/L
75-34-3	1,1-Dichloroethane	ND	100		ug/L
75-35-4	1,1-Dichloroethene	ND	100		ug/L
563-58-6	1,1-Dichloropropene	ND	100		ug/L
96-18-4	1,2,3-Trichloropropane	ND	100		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	100		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	100		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	100		ug/L
106-93-4	1,2-Dibromoethane	ND	100		ug/L
95-50-1	1,2-Dichlorobenzene	ND	100		ug/L
107-06-2	1,2-Dichloroethane	ND	100		ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1890**	**200**		**ug/L**
78-87-5	1,2-Dichloropropane	ND	100		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	100		ug/L
541-73-1	1,3-Dichlorobenzene	ND	100		ug/L
142-28-9	1,3-Dichloropropane	ND	100		ug/L
106-46-7	1,4-Dichlorobenzene	ND	100		ug/L
594-20-7	2,2-Dichloropropane	ND	100		ug/L
78-93-3	2-Butanone	ND	100		ug/L
95-49-8	2-Chlorotoluene	ND	100		ug/L
591-78-6	2-Hexanone	ND	100		ug/L
106-43-4	4-Chlorotoluene	ND	100		ug/L
99-87-6	4-Isopropyltoluene	ND	100		ug/L
108-10-1	4-Methyl-2-pentanone	ND	100		ug/L
67-64-1	Acetone	ND	100		ug/L
71-43-2	Benzene	ND	100		ug/L
108-86-1	Bromobenzene	ND	100		ug/L
74-97-5	Bromochloromethane	ND	100		ug/L
75-27-4	Bromodichloromethane	ND	100		ug/L
75-25-2	Bromoform	ND	100		ug/L
74-83-9	Bromomethane	ND	100		ug/L
75-15-0	Carbon disulfide	ND	100		ug/L
56-23-5	Carbon tetrachloride	ND	100		ug/L
108-90-7	Chlorobenzene	ND	100		ug/L
75-00-3	Chloroethane	ND	100		ug/L
67-66-3	Chloroform	ND	100		ug/L
74-87-3	Chloromethane	ND	100		ug/L
124-48-1	Dibromochloromethane	ND	100		ug/L
74-95-3	Dibromomethane	ND	100		ug/L
75-71-8	Dichlorodifluoromethane	ND	100		ug/L
100-41-4	**Ethylbenzene**	**431**	**100**		**ug/L**
87-68-3	Hexachlorobutadiene	ND	100		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	100		ug/L
74-88-4	Methyl iodide	ND	100		ug/L
75-09-2	Methylene chloride	ND	100		ug/L
91-20-3	Naphthalene	ND	100		ug/L
100-42-5	Styrene	ND	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280911	MW-7	Water	09/27/2012 11:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:23	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	100		ug/L
108-88-3	Toluene	ND	100		ug/L
79-01-6	Trichloroethene	ND	100		ug/L
75-69-4	Trichlorofluoromethane	ND	100		ug/L
76-13-1	Trichlorotrifluoroethane	ND	100		ug/L
108-05-4	Vinyl acetate	ND	100		ug/L
75-01-4	**Vinyl chloride**	**472**	**100**		**ug/L**
1330-20-7	**Xylene (total)**	**1720**	**300**		**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1890**	**100**		**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	100		ug/L
136777-61-2	**m,p-Xylene**	**1270**	**200**		**ug/L**
104-51-8	n-Butylbenzene	ND	100		ug/L
103-65-1	n-Propylbenzene	ND	100		ug/L
95-47-6	**o-Xylene**	**450**	**100**		**ug/L**
135-98-8	sec-Butylbenzene	ND	100		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	100		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	100		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	100		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	100		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1010	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	1000	998	ug/L	100	77 - 127
2037-26-5	Toluene d8	1000	1010	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1030	ug/L	103	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:52	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 16:02	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280911	MW-7	Water	09/27/2012 11:20	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:32	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	Sulfate	ND	5.0		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280912	MW-8	Water	09/27/2012 14:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:24	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280912	MW-8	Water	09/27/2012 14:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 19:24	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.7	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280913	MW-10	Water	09/27/2012 13:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:02	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280913	MW-10	Water	09/27/2012 13:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:02	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.5	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280914	MW-11	Water	09/27/2012 13:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:22	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280914	MW-11	Water	09/27/2012 13:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:22	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.2	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.3	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.9	ug/L	102	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280915	MW-14	Water	09/27/2012 13:15	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:42	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280915	MW-14	Water	09/27/2012 13:15	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:42	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	50.1	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.1	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.2	ug/L	102	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280916	MW-15	Water	09/27/2012 12:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 13:59	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280916	MW-15	Water	09/27/2012 12:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 13:59	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.2	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	50.2	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	51.3	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

EPA 353.2 Nitrite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 14:53	AEL	490961

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-65-0	Nitrite	ND	0.010		mg/L-N

EPA 353.2 Nitrate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 16:03	AEL	490960

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14797-55-8	Nitrate	ND	0.010		mg/L-N

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280916	**MW-15**	Water	09/27/2012 12:00	09/28/2012 09:20

SM 4500 SO3 B Sulfite

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/28/2012 13:00	DJH	490970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14265-45-3	Sulfite	ND	2.00		mg/L

SW-846 9038 Sulfate

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/05/2012 13:34	JEM	491600

CAS#	Parameter	Result	RDL	REG LIMIT	Units
14808-79-8	**Sulfate**	**20.2**	**5.0**		**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280917	SW-2	Water	09/26/2012 14:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 14:21	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280917	SW-2	Water	09/26/2012 14:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 14:21	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.6	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.8	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280918	SW-3	Water	09/26/2012 13:45	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 14:42	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280918	SW-3	Water	09/26/2012 13:45	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/30/2012 14:42	CEK	491135

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.9	ug/L	102	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280919	DUP-1	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:43	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	100		ug/L
71-55-6	1,1,1-Trichloroethane	ND	100		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	100		ug/L
79-00-5	1,1,2-Trichloroethane	ND	100		ug/L
75-34-3	1,1-Dichloroethane	ND	100		ug/L
75-35-4	1,1-Dichloroethene	ND	100		ug/L
563-58-6	1,1-Dichloropropene	ND	100		ug/L
96-18-4	1,2,3-Trichloropropane	ND	100		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	100		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	100		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	100		ug/L
106-93-4	1,2-Dibromoethane	ND	100		ug/L
95-50-1	1,2-Dichlorobenzene	ND	100		ug/L
107-06-2	1,2-Dichloroethane	ND	100		ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1680**	**200**		**ug/L**
78-87-5	1,2-Dichloropropane	ND	100		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	100		ug/L
541-73-1	1,3-Dichlorobenzene	ND	100		ug/L
142-28-9	1,3-Dichloropropane	ND	100		ug/L
106-46-7	1,4-Dichlorobenzene	ND	100		ug/L
594-20-7	2,2-Dichloropropane	ND	100		ug/L
78-93-3	2-Butanone	ND	100		ug/L
95-49-8	2-Chlorotoluene	ND	100		ug/L
591-78-6	2-Hexanone	ND	100		ug/L
106-43-4	4-Chlorotoluene	ND	100		ug/L
99-87-6	4-Isopropyltoluene	ND	100		ug/L
108-10-1	4-Methyl-2-pentanone	ND	100		ug/L
67-64-1	Acetone	ND	100		ug/L
71-43-2	Benzene	ND	100		ug/L
108-86-1	Bromobenzene	ND	100		ug/L
74-97-5	Bromochloromethane	ND	100		ug/L
75-27-4	Bromodichloromethane	ND	100		ug/L
75-25-2	Bromoform	ND	100		ug/L
74-83-9	Bromomethane	ND	100		ug/L
75-15-0	Carbon disulfide	ND	100		ug/L
56-23-5	Carbon tetrachloride	ND	100		ug/L
108-90-7	Chlorobenzene	ND	100		ug/L
75-00-3	Chloroethane	ND	100		ug/L
67-66-3	Chloroform	ND	100		ug/L
74-87-3	Chloromethane	ND	100		ug/L
124-48-1	Dibromochloromethane	ND	100		ug/L
74-95-3	Dibromomethane	ND	100		ug/L
75-71-8	Dichlorodifluoromethane	ND	100		ug/L
100-41-4	**Ethylbenzene**	**101**	**100**		**ug/L**
87-68-3	Hexachlorobutadiene	ND	100		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	100		ug/L
74-88-4	Methyl iodide	ND	100		ug/L
75-09-2	Methylene chloride	ND	100		ug/L
91-20-3	Naphthalene	ND	100		ug/L
100-42-5	Styrene	ND	100		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280919	DUP-1	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	09/29/2012 18:43	CEK	491083

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	100		ug/L
108-88-3	Toluene	ND	100		ug/L
79-01-6	Trichloroethene	ND	100		ug/L
75-69-4	Trichlorofluoromethane	ND	100		ug/L
76-13-1	Trichlorotrifluoroethane	ND	100		ug/L
108-05-4	Vinyl acetate	ND	100		ug/L
75-01-4	Vinyl chloride	ND	100		ug/L
1330-20-7	**Xylene (total)**	**433**	**300**		**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1680**	**100**		**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	100		ug/L
136777-61-2	**m,p-Xylene**	**312**	**200**		**ug/L**
104-51-8	n-Butylbenzene	ND	100		ug/L
103-65-1	n-Propylbenzene	ND	100		ug/L
95-47-6	**o-Xylene**	**121**	**100**		**ug/L**
135-98-8	sec-Butylbenzene	ND	100		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	100		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	100		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	100		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	100		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	996	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	1000	994	ug/L	99	77 - 127
2037-26-5	Toluene d8	1000	1000	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1030	ug/L	103	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280920	DUP-2	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:12	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280920	DUP-2	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:12	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.4	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	49.4	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	52.3	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280921	EB-1	Water	09/26/2012 09:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:34	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280921	EB-1	Water	09/26/2012 09:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:34	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.3	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	48.8	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280922	FB-1	Water	09/26/2012 09:05	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:55	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280922	FB-1	Water	09/26/2012 09:05	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 17:55	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.9	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	52	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280923	EB-2	Water	09/27/2012 07:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 18:17	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280923	EB-2	Water	09/27/2012 07:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 18:17	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	48.8	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	51	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.7	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280924	FB-2	Water	09/27/2012 07:15	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 18:38	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280924	FB-2	Water	09/27/2012 07:15	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	09/29/2012 18:38	CEK	491082

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	50.4	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	51	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.9	ug/L	102	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280925	TRIP BLANK	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 11:43	CGC	491194

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00		ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
563-58-6	1,1-Dichloropropene	ND	5.00		ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/L
106-93-4	1,2-Dibromoethane	ND	5.00		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	5.00		ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
142-28-9	1,3-Dichloropropane	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
594-20-7	2,2-Dichloropropane	ND	5.00		ug/L
78-93-3	2-Butanone	ND	5.00		ug/L
95-49-8	2-Chlorotoluene	ND	5.00		ug/L
591-78-6	2-Hexanone	ND	5.00		ug/L
106-43-4	4-Chlorotoluene	ND	5.00		ug/L
99-87-6	4-Isopropyltoluene	ND	5.00		ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/L
67-64-1	Acetone	ND	5.00		ug/L
71-43-2	Benzene	ND	5.00		ug/L
108-86-1	Bromobenzene	ND	5.00		ug/L
74-97-5	Bromochloromethane	ND	5.00		ug/L
75-27-4	Bromodichloromethane	ND	5.00		ug/L
75-25-2	Bromoform	ND	5.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	5.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	5.00		ug/L
124-48-1	Dibromochloromethane	ND	5.00		ug/L
74-95-3	Dibromomethane	ND	5.00		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
87-68-3	Hexachlorobutadiene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
74-88-4	Methyl iodide	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
91-20-3	Naphthalene	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280925	TRIP BLANK	Water	09/27/2012 00:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 11:43	CGC	491194

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L
79-01-6	Trichloroethene	ND	5.00		ug/L
75-69-4	Trichlorofluoromethane	ND	5.00		ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00		ug/L
108-05-4	Vinyl acetate	ND	5.00		ug/L
75-01-4	Vinyl chloride	ND	5.00		ug/L
1330-20-7	Xylene (total)	ND	15.0		ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00		ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00		ug/L
136777-61-2	m,p-Xylene	ND	10.0		ug/L
104-51-8	n-Butylbenzene	ND	5.00		ug/L
103-65-1	n-Propylbenzene	ND	5.00		ug/L
95-47-6	o-Xylene	ND	5.00		ug/L
135-98-8	sec-Butylbenzene	ND	5.00		ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00		ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00		ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00		ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	50.2	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.2	ug/L	98	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 491082	Client ID	MB491082			LCS491082			LCSD491082			
Prep Batch N/A	GCAL ID	1111492			1111493			1111494			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:25			09/29/2012 13:59			09/29/2012 14:20			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	ND	5.00	50.0	50.6	101	44 - 156	49.6	99	2	30
74-97-5	Bromochloromethane	ND	5.00	50.0	52.3	105	76 - 130	51.9	104	0.8	30
75-27-4	Bromodichloromethane	ND	5.00	50.0	49.8	100	74 - 125	49.7	99	0.2	30
75-25-2	Bromoform	ND	5.00	50.0	48.7	97	64 - 122	50.2	100	3	30
74-83-9	Bromomethane	ND	5.00	50.0	51.0	102	47 - 138	49.8	100	2	30
75-15-0	Carbon disulfide	ND	5.00	50.0	50.3	101	69 - 136	49.9	100	0.8	30
56-23-5	Carbon tetrachloride	ND	5.00	50.0	50.8	102	76 - 128	49.9	100	2	30
75-00-3	Chloroethane	ND	5.00	50.0	50.3	101	62 - 141	50.0	100	0.6	30
136777-61-2	m,p-Xylene	ND	10.0	100	101	101	74 - 126	103	103	2	30
67-66-3	Chloroform	ND	5.00	50.0	50.2	100	75 - 122	49.4	99	2	30
74-87-3	Chloromethane	ND	5.00	50.0	49.5	99	59 - 132	47.4	95	4	30
124-48-1	Dibromochloromethane	ND	5.00	50.0	50.8	102	71 - 123	52.1	104	3	30
74-95-3	Dibromomethane	ND	5.00	50.0	50.0	100	72 - 129	50.2	100	0.4	30
75-71-8	Dichlorodifluoromethane	ND	5.00	50.0	51.0	102	58 - 140	49.6	99	3	30
75-34-3	1,1-Dichloroethane	ND	5.00	50.0	49.7	99	74 - 127	48.3	97	3	30
107-06-2	1,2-Dichloroethane	ND	5.00	50.0	48.8	98	71 - 129	48.4	97	0.8	30
156-59-2	cis-1,2-Dichloroethene	ND	5.00	50.0	50.5	101	73 - 130	50.4	101	0.2	30
156-60-5	trans-1,2-Dichloroethene	ND	5.00	50.0	50.7	101	69 - 132	49.4	99	3	30
75-09-2	Methylene chloride	ND	5.00	50.0	50.3	101	68 - 132	49.8	100	1	30
78-87-5	1,2-Dichloropropane	ND	5.00	50.0	50.8	102	72 - 128	49.2	98	3	30
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	50.0	50.6	101	71 - 132	50.7	101	0.2	30
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	50.0	51.6	103	71 - 131	51.1	102	1	30
100-41-4	Ethylbenzene	ND	5.00	50.0	50.5	101	74 - 126	51.5	103	2	30
591-78-6	2-Hexanone	ND	5.00	50.0	51.6	103	50 - 135	53.2	106	3	30
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	50.0	51.1	102	71 - 125	51.0	102	0.2	30
78-93-3	2-Butanone	ND	5.00	50.0	52.2	104	58 - 137	50.8	102	3	30
74-88-4	Methyl iodide	ND	5.00	50.0	41.5	83	57 - 141	43.4	87	4	30
108-10-1	4-Methyl-2-pentanone	ND	5.00	50.0	50.8	102	57 - 132	51.3	103	1	30
103-65-1	n-Propylbenzene	ND	5.00	50.0	51.2	102	75 - 129	50.5	101	1	30
100-42-5	Styrene	ND	5.00	50.0	50.8	102	71 - 127	52.6	105	3	30
127-18-4	Tetrachloroethene	ND	5.00	50.0	50.7	101	68 - 128	50.3	101	0.8	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	50.0	50.1	100	75 - 124	51.0	102	2	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	50.0	50.6	101	70 - 122	50.2	100	0.8	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491082	Client ID	MB491082			LCS491082			LCSD491082			
Prep Batch N/A	GCAL ID	1111492			1111493			1111494			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:25			09/29/2012 13:59			09/29/2012 14:20			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units Result**	**ug/L RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	50.0	54.5	109	61 - 135	52.3	105	4	30
71-55-6	1,1,1-Trichloroethane	ND	5.00	50.0	50.1	100	76 - 126	48.3	97	4	30
79-00-5	1,1,2-Trichloroethane	ND	5.00	50.0	51.1	102	72 - 121	50.9	102	0.4	30
75-69-4	Trichlorofluoromethane	ND	5.00	50.0	50.4	101	72 - 136	49.5	99	2	30
96-18-4	1,2,3-Trichloropropane	ND	5.00	50.0	51.8	104	70 - 120	51.2	102	1	30
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	50.0	51.9	104	74 - 125	51.1	102	2	30
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	50.0	50.7	101	71 - 132	49.6	99	2	30
75-01-4	Vinyl chloride	ND	5.00	50.0	53.5	107	68 - 132	49.9	100	7	30
95-47-6	o-Xylene	ND	5.00	50.0	50.5	101	73 - 130	51.7	103	2	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	50.0	56.4	113	57 - 121	55.3	111	2	30
106-93-4	1,2-Dibromoethane	ND	5.00	50.0	50.3	101	70 - 124	51.1	102	2	30
108-05-4	Vinyl acetate	ND	5.00	50.0	47.8	96	54 - 147	43.4	87	10	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	50.0	49.8	100	71 - 125	50.1	100	0.6	30
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	100	101	101	74 - 128	99.8	100	1	30
99-87-6	4-Isopropyltoluene	ND	5.00	50.0	52.2	104	71 - 129	50.9	102	3	30
1330-20-7	Xylene (total)	ND	15.0	150	152	101	74 - 127	155	103	2	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	50.0	51.7	103	56 - 132	51.0	102	1	30
594-20-7	2,2-Dichloropropane	ND	5.00	50.0	49.8	100	77 - 124	47.0	94	6	30
76-13-1	Trichlorotrifluoroethane	ND	5.00	50.0	52.2	104	72 - 136	51.4	103	2	30
563-58-6	1,1-Dichloropropene	ND	5.00	50.0	51.6	103	72 - 131	51.1	102	1	30
142-28-9	1,3-Dichloropropane	ND	5.00	50.0	50.2	100	74 - 122	51.0	102	2	30
108-86-1	Bromobenzene	ND	5.00	50.0	49.2	98	71 - 120	48.7	97	1	30
95-49-8	2-Chlorotoluene	ND	5.00	50.0	50.4	101	72 - 127	49.7	99	1	30
106-43-4	4-Chlorotoluene	ND	5.00	50.0	50.6	101	75 - 126	49.0	98	3	30
135-98-8	sec-Butylbenzene	ND	5.00	50.0	52.9	106	70 - 136	51.3	103	3	30
541-73-1	1,3-Dichlorobenzene	ND	5.00	50.0	50.5	101	74 - 126	50.7	101	0.4	30
106-46-7	1,4-Dichlorobenzene	ND	5.00	50.0	49.3	99	72 - 122	49.4	99	0.2	30
104-51-8	n-Butylbenzene	ND	5.00	50.0	53.3	107	69 - 134	51.0	102	4	30
95-50-1	1,2-Dichlorobenzene	ND	5.00	50.0	49.7	99	71 - 126	49.8	100	0.2	30
87-68-3	Hexachlorobutadiene	ND	5.00	50.0	53.3	107	61 - 144	50.2	100	6	30
91-20-3	Naphthalene	ND	5.00	50.0	55.4	111	57 - 138	54.5	109	2	35
75-35-4	1,1-Dichloroethene	ND	5.00	50.0	51.6	103	69 - 129	52.6	105	2	20
71-43-2	Benzene	ND	5.00	50.0	49.9	100	70 - 129	49.5	99	0.8	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 491082	Client ID	MB491082			LCS491082			LCSD491082			
Prep Batch N/A	GCAL ID	1111492			1111493			1111494			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:25			09/29/2012 13:59			09/29/2012 14:20			
	Matrix	Water			Water			Water			
SW-846 8260B		Units Result	ug/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
79-01-6	Trichloroethene	ND	5.00	50.0	51.5	103	76 - 129	50.4	101	2	20
108-88-3	Toluene	ND	5.00	50.0	50.3	101	72 - 120	50.0	100	0.6	20
108-90-7	Chlorobenzene	ND	5.00	50.0	49.6	99	74 - 123	50.9	102	3	20
Surrogate											
460-00-4	4-Bromofluorobenzene	50.8	102	50	51.2	102	78 - 130	50.9	102		
1868-53-7	Dibromofluoromethane	49.6	99	50	49.6	99	77 - 127	50.2	100		
2037-26-5	Toluene d8	50.6	101	50	49.1	98	76 - 134	50.8	102		
17060-07-0	1,2-Dichloroethane-d4	50.4	101	50	50.9	102	71 - 127	49.5	99		

Analytical Batch 491083	Client ID	MB491083			LCS491083			LCSD491083			
Prep Batch N/A	GCAL ID	1111496			1111497			1111498			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:45			09/29/2012 14:44			09/29/2012 15:04			
	Matrix	Water			Water			Water			
SW-846 8260B		Units Result	ug/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
67-64-1	Acetone	ND	5.00	50.0	51.8	104	44 - 156	51.4	103	0.8	30
74-97-5	Bromochloromethane	ND	5.00	50.0	55.7	111	76 - 130	53.2	106	5	30
75-27-4	Bromodichloromethane	ND	5.00	50.0	55.7	111	74 - 125	53.0	106	5	30
75-25-2	Bromoform	ND	5.00	50.0	55.8	112	64 - 122	52.7	105	6	30
74-83-9	Bromomethane	ND	5.00	50.0	48.1	96	47 - 138	48.9	98	2	30
75-15-0	Carbon disulfide	ND	5.00	50.0	58.5	117	69 - 136	54.5	109	7	30
56-23-5	Carbon tetrachloride	ND	5.00	50.0	58.1	116	76 - 128	55.6	111	4	30
75-00-3	Chloroethane	ND	5.00	50.0	56.0	112	62 - 141	54.9	110	2	30
136777-61-2	m,p-Xylene	ND	10.0	100	111	111	74 - 126	107	107	4	30
67-66-3	Chloroform	ND	5.00	50.0	54.4	109	75 - 122	52.4	105	4	30
74-87-3	Chloromethane	ND	5.00	50.0	55.0	110	59 - 132	54.2	108	1	30
124-48-1	Dibromochloromethane	ND	5.00	50.0	55.6	111	71 - 123	54.6	109	2	30
74-95-3	Dibromomethane	ND	5.00	50.0	55.2	110	72 - 129	53.6	107	3	30
75-71-8	Dichlorodifluoromethane	ND	5.00	50.0	56.9	114	58 - 140	55.1	110	3	30
75-34-3	1,1-Dichloroethane	ND	5.00	50.0	53.8	108	74 - 127	52.6	105	2	30
107-06-2	1,2-Dichloroethane	ND	5.00	50.0	53.4	107	71 - 129	51.7	103	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491083	Client ID	MB491083			LCS491083			LCSD491083			
Prep Batch N/A	GCAL ID	1111496			1111497			1111498			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:45			09/29/2012 14:44			09/29/2012 15:04			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
156-59-2	cis-1,2-Dichloroethene	ND	5.00	50.0	54.8	110	73 - 130	52.2	104	5	30
156-60-5	trans-1,2-Dichloroethene	ND	5.00	50.0	57.3	115	69 - 132	54.8	110	4	30
75-09-2	Methylene chloride	ND	5.00	50.0	53.7	107	68 - 132	51.8	104	4	30
78-87-5	1,2-Dichloropropane	ND	5.00	50.0	54.2	108	72 - 128	51.5	103	5	30
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	50.0	52.8	106	71 - 132	50.3	101	5	30
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	50.0	52.4	105	71 - 131	49.5	99	6	30
100-41-4	Ethylbenzene	ND	5.00	50.0	54.6	109	74 - 126	52.3	105	4	30
591-78-6	2-Hexanone	ND	5.00	50.0	54.6	109	50 - 135	52.7	105	4	30
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	50.0	57.4	115	71 - 125	52.9	106	8	30
78-93-3	2-Butanone	ND	5.00	50.0	55.7	111	58 - 137	51.9	104	7	30
74-88-4	Methyl iodide	ND	5.00	50.0	49.0	98	57 - 141	51.9	104	6	30
108-10-1	4-Methyl-2-pentanone	ND	5.00	50.0	56.7	113	57 - 132	53.4	107	6	30
103-65-1	n-Propylbenzene	ND	5.00	50.0	57.7	115	75 - 129	53.7	107	7	30
100-42-5	Styrene	ND	5.00	50.0	55.3	111	71 - 127	53.2	106	4	30
127-18-4	Tetrachloroethene	ND	5.00	50.0	57.9	116	68 - 128	56.5	113	2	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	50.0	57.1	114	75 - 124	55.3	111	3	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	50.0	55.5	111	70 - 122	51.9	104	7	30
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	50.0	68.4	**137***	61 - 135	55.1	110	22	30
71-55-6	1,1,1-Trichloroethane	ND	5.00	50.0	56.4	113	76 - 126	54.7	109	3	30
79-00-5	1,1,2-Trichloroethane	ND	5.00	50.0	57.3	115	72 - 121	53.9	108	6	30
75-69-4	Trichlorofluoromethane	ND	5.00	50.0	60.6	121	72 - 136	56.1	112	8	30
96-18-4	1,2,3-Trichloropropane	ND	5.00	50.0	55.2	110	70 - 120	54.8	110	0.7	30
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	50.0	56.8	114	74 - 125	53.3	107	6	30
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	50.0	57.8	116	71 - 132	53.9	108	7	30
75-01-4	Vinyl chloride	ND	5.00	50.0	57.4	115	68 - 132	54.9	110	4	30
95-47-6	o-Xylene	ND	5.00	50.0	54.7	109	73 - 130	52.3	105	4	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	50.0	53.2	106	57 - 121	49.1	98	8	30
106-93-4	1,2-Dibromoethane	ND	5.00	50.0	55.0	110	70 - 124	53.1	106	4	30
108-05-4	Vinyl acetate	ND	5.00	50.0	51.7	103	54 - 147	46.9	94	10	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	50.0	57.6	115	71 - 125	56.4	113	2	30
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	100	112	112	74 - 128	107	107	5	30
99-87-6	4-Isopropyltoluene	ND	5.00	50.0	60.6	121	71 - 129	55.0	110	10	30
1330-20-7	Xylene (total)	ND	15.0	150	166	111	74 - 127	159	106	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491083	Client ID	MB491083			LCS491083			LCSD491083			
Prep Batch N/A	GCAL ID	1111496			1111497			1111498			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/29/2012 15:45			09/29/2012 14:44			09/29/2012 15:04			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units** Result	ug/L RDL	**Spike** Added	**Result**	**% R**	**Control** Limits % R	**Result**	**% R**	**RPD**	**RPD** Limit
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	50.0	50.4	101	56 - 132	49.4	99	2	30
594-20-7	2,2-Dichloropropane	ND	5.00	50.0	50.3	101	77 - 124	49.5	99	2	30
76-13-1	Trichlorotrifluoroethane	ND	5.00	50.0	57.7	115	72 - 136	55.4	111	4	30
563-58-6	1,1-Dichloropropene	ND	5.00	50.0	58.0	116	72 - 131	54.6	109	6	30
142-28-9	1,3-Dichloropropane	ND	5.00	50.0	54.9	110	74 - 122	53.4	107	3	30
108-86-1	Bromobenzene	ND	5.00	50.0	54.9	110	71 - 120	52.8	106	4	30
95-49-8	2-Chlorotoluene	ND	5.00	50.0	56.8	114	72 - 127	53.6	107	6	30
106-43-4	4-Chlorotoluene	ND	5.00	50.0	55.9	112	75 - 126	53.0	106	5	30
135-98-8	sec-Butylbenzene	ND	5.00	50.0	61.1	122	70 - 136	54.9	110	11	30
541-73-1	1,3-Dichlorobenzene	ND	5.00	50.0	57.6	115	74 - 126	52.8	106	9	30
106-46-7	1,4-Dichlorobenzene	ND	5.00	50.0	57.3	115	72 - 122	52.9	106	8	30
104-51-8	n-Butylbenzene	ND	5.00	50.0	62.2	124	69 - 134	54.6	109	13	30
95-50-1	1,2-Dichlorobenzene	ND	5.00	50.0	57.1	114	71 - 126	53.5	107	7	30
87-68-3	Hexachlorobutadiene	ND	5.00	50.0	59.6	119	61 - 144	48.0	96	22	30
91-20-3	Naphthalene	ND	5.00	50.0	66.6	133	57 - 138	56.9	114	16	35
75-35-4	1,1-Dichloroethene	ND	5.00	50.0	56.4	113	69 - 129	54.7	109	3	20
71-43-2	Benzene	ND	5.00	50.0	54.3	109	70 - 129	52.1	104	4	20
79-01-6	Trichloroethene	ND	5.00	50.0	56.3	113	76 - 129	55.5	111	1	20
108-88-3	Toluene	ND	5.00	50.0	53.8	108	72 - 120	52.1	104	3	20
108-90-7	Chlorobenzene	ND	5.00	50.0	55.2	110	74 - 123	52.6	105	5	20
Surrogate											
460-00-4	4-Bromofluorobenzene	49.1	98	50	50.5	101	78 - 130	50.7	101		
1868-53-7	Dibromofluoromethane	48.7	97	50	50.9	102	77 - 127	49.9	100		
2037-26-5	Toluene d8	50.6	101	50	50.2	100	76 - 134	50.3	101		
17060-07-0	1,2-Dichloroethane-d4	49.1	98	50	51.2	102	71 - 127	50.6	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch 491135	Client ID	MB491135			LCS491135			LCSD491135			
Prep Batch N/A	GCAL ID	1111648			1111649			1111654			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/30/2012 12:55			09/30/2012 11:27			09/30/2012 11:48			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	ND	5.00	50.0	47.2	94	44 - 156	51.2	102	8	30
74-97-5	Bromochloromethane	ND	5.00	50.0	50.2	100	76 - 130	50.8	102	1	30
75-27-4	Bromodichloromethane	ND	5.00	50.0	45.9	92	74 - 125	47.6	95	4	30
75-25-2	Bromoform	ND	5.00	50.0	47.8	96	64 - 122	50.1	100	5	30
74-83-9	Bromomethane	ND	5.00	50.0	38.5	77	47 - 138	44.6	89	15	30
75-15-0	Carbon disulfide	ND	5.00	50.0	42.7	85	69 - 136	45.7	91	7	30
56-23-5	Carbon tetrachloride	ND	5.00	50.0	46.2	92	76 - 128	47.3	95	2	30
75-00-3	Chloroethane	ND	5.00	50.0	43.5	87	62 - 141	46.6	93	7	30
136777-61-2	m,p-Xylene	ND	10.0	100	97.5	98	74 - 126	99.7	100	2	30
67-66-3	Chloroform	ND	5.00	50.0	46.1	92	75 - 122	47.7	95	3	30
74-87-3	Chloromethane	ND	5.00	50.0	41.0	82	59 - 132	47.6	95	15	30
124-48-1	Dibromochloromethane	ND	5.00	50.0	48.6	97	71 - 123	50.5	101	4	30
74-95-3	Dibromomethane	ND	5.00	50.0	46.5	93	72 - 129	47.4	95	2	30
75-71-8	Dichlorodifluoromethane	ND	5.00	50.0	42.4	85	58 - 140	45.0	90	6	30
75-34-3	1,1-Dichloroethane	ND	5.00	50.0	44.0	88	74 - 127	46.0	92	4	30
107-06-2	1,2-Dichloroethane	ND	5.00	50.0	44.5	89	71 - 129	46.5	93	4	30
156-59-2	cis-1,2-Dichloroethene	ND	5.00	50.0	45.8	92	73 - 130	47.2	94	3	30
156-60-5	trans-1,2-Dichloroethene	ND	5.00	50.0	44.1	88	69 - 132	47.2	94	7	30
75-09-2	Methylene chloride	ND	5.00	50.0	44.1	88	68 - 132	46.4	93	5	30
78-87-5	1,2-Dichloropropane	ND	5.00	50.0	45.4	91	72 - 128	47.4	95	4	30
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	50.0	47.2	94	71 - 132	48.9	98	4	30
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	50.0	45.8	92	71 - 131	49.3	99	7	30
100-41-4	Ethylbenzene	ND	5.00	50.0	48.4	97	74 - 126	50.0	100	3	30
591-78-6	2-Hexanone	ND	5.00	50.0	47.0	94	50 - 135	50.1	100	6	30
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	50.0	49.6	99	71 - 125	50.0	100	0.8	30
78-93-3	2-Butanone	ND	5.00	50.0	44.1	88	58 - 137	47.8	96	8	30
74-88-4	Methyl iodide	ND	5.00	50.0	42.5	85	57 - 141	47.3	95	11	30
108-10-1	4-Methyl-2-pentanone	ND	5.00	50.0	42.9	86	57 - 132	46.4	93	8	30
103-65-1	n-Propylbenzene	ND	5.00	50.0	46.0	92	75 - 129	47.0	94	2	30
100-42-5	Styrene	ND	5.00	50.0	49.4	99	71 - 127	51.0	102	3	30
127-18-4	Tetrachloroethene	ND	5.00	50.0	47.2	94	68 - 128	49.6	99	5	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	50.0	48.3	97	75 - 124	50.5	101	4	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	50.0	44.6	89	70 - 122	48.1	96	8	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491135	Client ID	MB491135			LCS491135			LCSD491135			
Prep Batch N/A	GCAL ID	1111648			1111649			1111654			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/30/2012 12:55			09/30/2012 11:27			09/30/2012 11:48			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	50.0	48.7	97	61 - 135	49.5	99	2	30
71-55-6	1,1,1-Trichloroethane	ND	5.00	50.0	44.6	89	76 - 126	46.9	94	5	30
79-00-5	1,1,2-Trichloroethane	ND	5.00	50.0	48.1	96	72 - 121	50.2	100	4	30
75-69-4	Trichlorofluoromethane	ND	5.00	50.0	43.3	87	72 - 136	46.2	92	6	30
96-18-4	1,2,3-Trichloropropane	ND	5.00	50.0	45.4	91	70 - 120	47.5	95	5	30
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	50.0	47.4	95	74 - 125	48.4	97	2	30
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	50.0	46.0	92	71 - 132	46.8	94	2	30
75-01-4	Vinyl chloride	ND	5.00	50.0	42.4	85	68 - 132	46.0	92	8	30
95-47-6	o-Xylene	ND	5.00	50.0	48.6	97	73 - 130	50.3	101	3	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	50.0	45.5	91	57 - 121	50.6	101	11	30
106-93-4	1,2-Dibromoethane	ND	5.00	50.0	48.0	96	70 - 124	49.7	99	3	30
108-05-4	Vinyl acetate	ND	5.00	50.0	53.3	107	54 - 147	53.4	107	0.2	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	50.0	45.8	92	71 - 125	47.2	94	3	30
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	100	89.9	90	74 - 128	94.4	94	5	30
99-87-6	4-Isopropyltoluene	ND	5.00	50.0	47.4	95	71 - 129	47.4	95	0	30
1330-20-7	Xylene (total)	ND	15.0	150	146	97	74 - 127	150	100	3	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	50.0	44.1	88	56 - 132	46.0	92	4	30
594-20-7	2,2-Dichloropropane	ND	5.00	50.0	45.0	90	77 - 124	46.6	93	3	30
76-13-1	Trichlorotrifluoroethane	ND	5.00	50.0	45.0	90	72 - 136	48.4	97	7	30
563-58-6	1,1-Dichloropropene	ND	5.00	50.0	45.0	90	72 - 131	47.2	94	5	30
142-28-9	1,3-Dichloropropane	ND	5.00	50.0	47.3	95	74 - 122	48.6	97	3	30
108-86-1	Bromobenzene	ND	5.00	50.0	45.6	91	71 - 120	45.6	91	0	30
95-49-8	2-Chlorotoluene	ND	5.00	50.0	45.4	91	72 - 127	46.3	93	2	30
106-43-4	4-Chlorotoluene	ND	5.00	50.0	46.0	92	75 - 126	47.0	94	2	30
135-98-8	sec-Butylbenzene	ND	5.00	50.0	47.0	94	70 - 136	47.0	94	0	30
541-73-1	1,3-Dichlorobenzene	ND	5.00	50.0	46.1	92	74 - 126	46.1	92	0	30
106-46-7	1,4-Dichlorobenzene	ND	5.00	50.0	46.1	92	72 - 122	47.2	94	2	30
104-51-8	n-Butylbenzene	ND	5.00	50.0	47.2	94	69 - 134	47.0	94	0.4	30
95-50-1	1,2-Dichlorobenzene	ND	5.00	50.0	46.5	93	71 - 126	47.1	94	1	30
87-68-3	Hexachlorobutadiene	ND	5.00	50.0	47.7	95	61 - 144	48.8	98	2	30
91-20-3	Naphthalene	ND	5.00	50.0	44.9	90	57 - 138	49.3	99	9	35
75-35-4	1,1-Dichloroethene	ND	5.00	50.0	44.7	89	69 - 129	48.8	98	9	20
71-43-2	Benzene	ND	5.00	50.0	44.4	89	70 - 129	47.3	95	6	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 491135	Client ID	MB491135	LCS491135	LCSD491135
Prep Batch N/A	GCAL ID	1111648	1111649	1111654
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	09/30/2012 12:55	09/30/2012 11:27	09/30/2012 11:48
	Matrix	Water	Water	Water

SW-846 8260B		Units	ug/L	Spike	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
		Result	RDL	Added							
79-01-6	Trichloroethene	ND	5.00	50.0	46.1	92	76 - 129	46.8	94	2	20
108-88-3	Toluene	ND	5.00	50.0	47.3	95	72 - 120	49.4	99	4	20
108-90-7	Chlorobenzene	ND	5.00	50.0	47.9	96	74 - 123	49.4	99	3	20
Surrogate											
460-00-4	4-Bromofluorobenzene	49.9	100	50	52.5	105	78 - 130	52.8	106		
1868-53-7	Dibromofluoromethane	48.4	97	50	49.8	100	77 - 127	49.7	99		
2037-26-5	Toluene d8	50.6	101	50	51.3	103	76 - 134	51.1	102		
17060-07-0	1,2-Dichloroethane-d4	51.2	102	50	49.8	100	71 - 127	49.5	99		

Analytical Batch 491135	Client ID	JDS0928WC018	1111286MS	1111286MSD
Prep Batch N/A	GCAL ID	21209284901	1111652	1111653
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	09/30/2012 17:37	09/30/2012 17:58	09/30/2012 18:20
	Matrix	Water	Water	Water

SW-846 8260B		Units	ug/L	Spike	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
		Result	RDL	Added							
56-23-5	Carbon tetrachloride	0.00	200	2000	1780	89	76 - 128	1740	87	2	30
67-66-3	Chloroform	0.00	200	2000	1830	92	75 - 122	1790	90	2	30
107-06-2	1,2-Dichloroethane	0.00	200	2000	1790	90	71 - 129	1800	90	0.6	30
78-93-3	2-Butanone	0.00	200	2000	2240	112	58 - 137	2160	108	4	30
127-18-4	Tetrachloroethene	0.00	200	2000	1830	92	68 - 128	1810	91	1	30
75-01-4	Vinyl chloride	0.00	200	2000	1700	85	68 - 132	1790	90	5	30
75-35-4	1,1-Dichloroethene	0.00	200	2000	1850	93	69 - 129	1790	90	3	30
71-43-2	Benzene	0.00	200	2000	1840	92	70 - 129	1770	89	4	30
79-01-6	Trichloroethene	0.00	200	2000	1900	95	76 - 129	1930	97	2	30
108-90-7	Chlorobenzene	0.00	200	2000	1880	94	74 - 123	1840	92	2	30
Surrogate											
460-00-4	4-Bromofluorobenzene			2000	2080	104	78 - 130	2040	102		
1868-53-7	Dibromofluoromethane			2000	2020	101	77 - 127	1980	99		
2037-26-5	Toluene d8			2000	2070	104	76 - 134	1970	99		
17060-07-0	1,2-Dichloroethane-d4			2000	1970	99	71 - 127	1950	98		

GC/MS Volatiles Quality Control Summary

Analytical Batch 491194	Client ID	MB491194			LCS491194			LCSD491194			
Prep Batch N/A	GCAL ID	1111811			1111812			1111813			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/01/2012 11:05			10/01/2012 10:05			10/01/2012 10:25			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units** Result	ug/L RDL	**Spike** Added	**Result**	**% R**	**Control** Limits % R	**Result**	**% R**	**RPD**	**RPD** Limit
67-64-1	Acetone	ND	5.00	50.0	46.6	93	44 - 156	46.7	93	0.2	30
74-97-5	Bromochloromethane	ND	5.00	50.0	52.6	105	76 - 130	53.6	107	2	30
75-27-4	Bromodichloromethane	ND	5.00	50.0	51.8	104	74 - 125	50.6	101	2	30
75-25-2	Bromoform	ND	5.00	50.0	48.7	97	64 - 122	50.6	101	4	30
74-83-9	Bromomethane	ND	5.00	50.0	47.3	95	47 - 138	48.2	96	2	30
75-15-0	Carbon disulfide	ND	5.00	50.0	49.7	99	69 - 136	47.3	95	5	30
56-23-5	Carbon tetrachloride	ND	5.00	50.0	52.3	105	76 - 128	50.3	101	4	30
75-00-3	Chloroethane	ND	5.00	50.0	54.3	109	62 - 141	53.2	106	2	30
136777-61-2	m,p-Xylene	ND	10.0	100	101	101	74 - 126	98.8	99	2	30
67-66-3	Chloroform	ND	5.00	50.0	51.4	103	75 - 122	49.5	99	4	30
74-87-3	Chloromethane	ND	5.00	50.0	49.1	98	59 - 132	46.5	93	5	30
124-48-1	Dibromochloromethane	ND	5.00	50.0	51.6	103	71 - 123	51.7	103	0.2	30
74-95-3	Dibromomethane	ND	5.00	50.0	50.0	100	72 - 129	48.5	97	3	30
75-71-8	Dichlorodifluoromethane	ND	5.00	50.0	47.5	95	58 - 140	45.0	90	5	30
75-34-3	1,1-Dichloroethane	ND	5.00	50.0	49.9	100	74 - 127	48.4	97	3	30
107-06-2	1,2-Dichloroethane	ND	5.00	50.0	50.2	100	71 - 129	48.9	98	3	30
156-59-2	cis-1,2-Dichloroethene	ND	5.00	50.0	49.8	100	73 - 130	48.2	96	3	30
156-60-5	trans-1,2-Dichloroethene	ND	5.00	50.0	51.6	103	69 - 132	49.9	100	3	30
75-09-2	Methylene chloride	ND	5.00	50.0	48.4	97	68 - 132	46.6	93	4	30
78-87-5	1,2-Dichloropropane	ND	5.00	50.0	48.9	98	72 - 128	47.8	96	2	30
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	50.0	48.7	97	71 - 132	46.6	93	4	30
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	50.0	47.0	94	71 - 131	46.4	93	1	30
100-41-4	Ethylbenzene	ND	5.00	50.0	51.0	102	74 - 126	48.5	97	5	30
591-78-6	2-Hexanone	ND	5.00	50.0	44.5	89	50 - 135	46.2	92	4	30
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	50.0	50.8	102	71 - 125	48.8	98	4	30
78-93-3	2-Butanone	ND	5.00	50.0	45.4	91	58 - 137	44.7	89	2	30
74-88-4	Methyl iodide	ND	5.00	50.0	50.0	100	57 - 141	48.5	97	3	30
108-10-1	4-Methyl-2-pentanone	ND	5.00	50.0	45.0	90	57 - 132	44.2	88	2	30
103-65-1	n-Propylbenzene	ND	5.00	50.0	49.1	98	75 - 129	46.3	93	6	30
100-42-5	Styrene	ND	5.00	50.0	52.3	105	71 - 127	51.0	102	3	30
127-18-4	Tetrachloroethene	ND	5.00	50.0	55.4	111	68 - 128	53.6	107	3	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	50.0	53.2	106	75 - 124	53.6	107	0.7	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	50.0	45.5	91	70 - 122	45.0	90	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491194	Client ID	MB491194			LCS491194			LCSD491194			
Prep Batch N/A	GCAL ID	1111811			1111812			1111813			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/01/2012 11:05			10/01/2012 10:05			10/01/2012 10:25			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	50.0	51.3	103	61 - 135	49.2	98	4	30
71-55-6	1,1,1-Trichloroethane	ND	5.00	50.0	52.5	105	76 - 126	50.6	101	4	30
79-00-5	1,1,2-Trichloroethane	ND	5.00	50.0	51.5	103	72 - 121	50.8	102	1	30
75-69-4	Trichlorofluoromethane	ND	5.00	50.0	53.3	107	72 - 136	51.4	103	4	30
96-18-4	1,2,3-Trichloropropane	ND	5.00	50.0	44.4	89	70 - 120	46.5	93	5	30
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	50.0	50.2	100	74 - 125	47.7	95	5	30
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	50.0	50.2	100	71 - 132	47.6	95	5	30
75-01-4	Vinyl chloride	ND	5.00	50.0	52.6	105	68 - 132	50.2	100	5	30
95-47-6	o-Xylene	ND	5.00	50.0	51.1	102	73 - 130	49.9	100	2	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	50.0	44.2	88	57 - 121	44.3	89	0.2	30
106-93-4	1,2-Dibromoethane	ND	5.00	50.0	49.1	98	70 - 124	51.0	102	4	30
108-05-4	Vinyl acetate	ND	5.00	50.0	64.6	129	54 - 147	61.9	124	4	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	50.0	60.4	121	71 - 125	58.5	117	3	30
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	100	101	101	74 - 128	98.1	98	3	30
99-87-6	4-Isopropyltoluene	ND	5.00	50.0	51.7	103	71 - 129	46.9	94	10	30
1330-20-7	Xylene (total)	ND	15.0	150	153	102	74 - 127	149	99	3	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	50.0	44.7	89	56 - 132	45.8	92	2	30
594-20-7	2,2-Dichloropropane	ND	5.00	50.0	52.3	105	77 - 124	50.9	102	3	30
76-13-1	Trichlorotrifluoroethane	ND	5.00	50.0	52.1	104	72 - 136	48.8	98	7	30
563-58-6	1,1-Dichloropropene	ND	5.00	50.0	51.6	103	72 - 131	48.8	98	6	30
142-28-9	1,3-Dichloropropane	ND	5.00	50.0	48.5	97	74 - 122	49.2	98	1	30
108-86-1	Bromobenzene	ND	5.00	50.0	47.8	96	71 - 120	46.5	93	3	30
95-49-8	2-Chlorotoluene	ND	5.00	50.0	49.5	99	72 - 127	47.9	96	3	30
106-43-4	4-Chlorotoluene	ND	5.00	50.0	48.9	98	75 - 126	47.0	94	4	30
135-98-8	sec-Butylbenzene	ND	5.00	50.0	51.6	103	70 - 136	47.2	94	9	30
541-73-1	1,3-Dichlorobenzene	ND	5.00	50.0	51.1	102	74 - 126	49.0	98	4	30
106-46-7	1,4-Dichlorobenzene	ND	5.00	50.0	50.5	101	72 - 122	49.2	98	3	30
104-51-8	n-Butylbenzene	ND	5.00	50.0	51.0	102	69 - 134	46.0	92	10	30
95-50-1	1,2-Dichlorobenzene	ND	5.00	50.0	50.1	100	71 - 126	48.9	98	2	30
87-68-3	Hexachlorobutadiene	ND	5.00	50.0	45.1	90	61 - 144	40.6	81	11	30
91-20-3	Naphthalene	ND	5.00	50.0	47.4	95	57 - 138	47.1	94	0.6	35
75-35-4	1,1-Dichloroethene	ND	5.00	50.0	50.9	102	69 - 129	49.3	99	3	20
71-43-2	Benzene	ND	5.00	50.0	50.1	100	70 - 129	48.5	97	3	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 491194	Client ID	MB491194	LCS491194	LCSD491194
Prep Batch N/A	GCAL ID	1111811	1111812	1111813
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	10/01/2012 11:05	10/01/2012 10:05	10/01/2012 10:25
	Matrix	Water	Water	Water

SW-846 8260B		Units	ug/L	Spike			Control				RPD
		Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
79-01-6	Trichloroethene	ND	5.00	50.0	53.5	107	76 - 129	51.7	103	3	20
108-88-3	Toluene	ND	5.00	50.0	50.1	100	72 - 120	48.9	98	2	20
108-90-7	Chlorobenzene	ND	5.00	50.0	51.1	102	74 - 123	51.1	102	0	20
Surrogate											
460-00-4	4-Bromofluorobenzene	54	108	50	52.3	105	78 - 130	53.2	106		
1868-53-7	Dibromofluoromethane	49.2	98	50	51.1	102	77 - 127	51.1	102		
2037-26-5	Toluene d8	51.5	103	50	48.9	98	76 - 134	50	100		
17060-07-0	1,2-Dichloroethane-d4	49.3	99	50	48.7	97	71 - 127	48.9	98		

Analytical Batch 491194	Client ID	KNK0929WC001	1111518MS	1111518MSD
Prep Batch N/A	GCAL ID	21209291101	1111814	1111815
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	10/01/2012 14:34	10/01/2012 14:54	10/01/2012 15:14
	Matrix	Water	Water	Water

SW-846 8260B		Units	ug/L	Spike			Control				RPD
		Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
56-23-5	Carbon tetrachloride	0.00	200	2000	2530	127	76 - 128	1920	96	27	30
67-66-3	Chloroform	0.00	200	2000	2330	117	75 - 122	1800	90	26	30
107-06-2	1,2-Dichloroethane	0.00	200	2000	2310	116	71 - 129	1720	86	29	30
78-93-3	2-Butanone	0.00	200	2000	2020	101	58 - 137	1510	76	29	30
127-18-4	Tetrachloroethene	0.00	200	2000	2580	**129***	68 - 128	2010	101	25	30
75-01-4	Vinyl chloride	0.00	200	2000	2540	127	68 - 132	1930	97	27	30
75-35-4	1,1-Dichloroethene	0.00	200	2000	2450	123	69 - 129	1870	94	27	30
71-43-2	Benzene	0.00	200	2000	2340	117	70 - 129	1770	89	28	30
79-01-6	Trichloroethene	0.00	200	2000	2500	125	76 - 129	1910	96	27	30
108-90-7	Chlorobenzene	0.00	200	2000	2370	119	74 - 123	1790	90	28	30
Surrogate											
460-00-4	4-Bromofluorobenzene			2000	2090	105	78 - 130	2120	106		
1868-53-7	Dibromofluoromethane			2000	2060	103	77 - 127	2070	104		
2037-26-5	Toluene d8			2000	1960	98	76 - 134	2030	102		
17060-07-0	1,2-Dichloroethane-d4			2000	2000	100	71 - 127	1960	98		

General Chemistry Quality Control Summary

Analytical Batch 490960	Client ID	MB490960			LCS490960		
Prep Batch N/A	GCAL ID	1110973			1110974		
	Sample Type	Method Blank			LCS		
	Analytical Date	09/28/2012 15:47			09/28/2012 15:49		
	Matrix	Water			Water		
EPA 353.2 Nitrate	Units	mg/L-N	Spike				Control
	Result	RDL	Added		Result	% R	Limits % R
14797-55-8 Nitrate	ND	0.010	0.500		0.478	96	89.5 -110.5

Analytical Batch 490960	Client ID	MW-1			1110917MS			1110917MSD			
Prep Batch N/A	GCAL ID	21209280901			1110975			1110976			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	09/28/2012 15:50			09/28/2012 15:51			09/28/2012 15:52			
	Matrix	Water			Water			Water			
EPA 353.2 Nitrate	Units	mg/L-N	Spike				Control				RPD
	Result	RDL	Added		Result	% R	Limits % R	Result	% R	RPD	Limit
14797-55-8 Nitrate	0.000	0.010	0.500		0.549	110	89.5 -110.5	0.545	109	0.8	25

Analytical Batch 490960	Client ID	MRD-1B-18			1110868MS			1110868MSD			
Prep Batch N/A	GCAL ID	21209280301			1110977			1110978			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	09/28/2012 16:07			09/28/2012 16:08			09/28/2012 16:10			
	Matrix	Water			Water			Water			
EPA 353.2 Nitrate	Units	mg/L-N	Spike				Control				RPD
	Result	RDL	Added		Result	% R	Limits % R	Result	% R	RPD	Limit
14797-55-8 Nitrate	0.158	0.010	0.500		0.701	109	89.5 -110.5	0.696	107	0.8	25

Analytical Batch 490961	Client ID	MB490961			LCS490961		
Prep Batch N/A	GCAL ID	1110979			1110980		
	Sample Type	Method Blank			LCS		
	Analytical Date	09/28/2012 14:37			09/28/2012 14:38		
	Matrix	Water			Water		
EPA 353.2 Nitrite	Units	mg/L-N	Spike				Control
	Result	RDL	Added		Result	% R	Limits % R
14797-65-0 Nitrite	ND	0.010	0.500		0.534	107	89.5 -110.5

General Chemistry Quality Control Summary

Analytical Batch 490961	Client ID	MW-1			1110917MS			1110917MSD			
Prep Batch N/A	GCAL ID	21209280901			1110981			1110982			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	09/28/2012 14:40			09/28/2012 14:41			09/28/2012 14:42			
	Matrix	Water			Water			Water			
EPA 353.2 Nitrite		Units Result	mg/L-N RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
14797-65-0 Nitrite		0.012	0.010	0.500	0.540	106	89.5 -110.5	0.526	103	3	25

Analytical Batch 490961	Client ID	MRD-1B-18			1110868MS			1110868MSD			
Prep Batch N/A	GCAL ID	21209280301			1110983			1110984			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	09/28/2012 14:57			09/28/2012 15:04			09/28/2012 15:05			
	Matrix	Water			Water			Water			
EPA 353.2 Nitrite		Units Result	mg/L-N RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
14797-65-0 Nitrite		0.013	0.010	0.500	0.562	110	89.5 -110.5	0.563	110	0.3	25

General Chemistry Quality Control Summary

Analytical Batch 490970	Client ID	MB490970			LCS490970		
Prep Batch N/A	GCAL ID	1111002			1111003		
	Sample Type	Method Blank			LCS		
	Analytical Date	09/28/2012 13:00			09/28/2012 13:00		
	Matrix	Water			Water		
SM 4500 SO3 B Sulfite	Units	mg/L	Spike	Result		Control
	Result	RDL	Added		% R	Limits % R
14265-45-3 Sulfite	ND	2.00	50.0	51.0	102	80 - 120

Analytical Batch 490970	Client ID	MW-1			1110917MS		
Prep Batch N/A	GCAL ID	21209280901			1111005		
	Sample Type	SAMPLE			MS		
	Analytical Date	09/28/2012 13:00			09/28/2012 13:00		
	Matrix	Water			Water		
SM 4500 SO3 B Sulfite	Units	mg/L	Spike	Result		Control
	Result	RDL	Added		% R	Limits % R
14265-45-3 Sulfite	0.000	2.00	50.0	51.0	102	75 - 125

Analytical Batch 490970	Client ID	MW-1		1110917DUP		
Prep Batch N/A	GCAL ID	21209280901		1111004		
	Sample Type	SAMPLE		DUP		
	Analytical Date	09/28/2012 13:00		09/28/2012 13:00		
	Matrix	Water		Water		
SM 4500 SO3 B Sulfite	Units	mg/L	Result		RPD
	Result	RDL		RPD	Limit
14265-45-3 Sulfite	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch 491600	Client ID	MB491600			LCS491600		
Prep Batch N/A	GCAL ID	1113631			1113632		
	Sample Type	Method Blank			LCS		
	Analytical Date	10/05/2012 13:02			10/05/2012 13:02		
	Matrix	Water			Water		
SW-846 9038 Sulfate	Units	mg/L	Spike		Control		
	Result	RDL	Added	Result	% R	Limits % R	
14808-79-8 Sulfate	ND	5.0	20.0	20.5	103	80 - 120	

Analytical Batch 491600	Client ID	SEPT. INJ. WELL COMPOSITE			1111029MS			1111029MSD			
Prep Batch N/A	GCAL ID	21209281801			1113633			1113634			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	10/05/2012 13:04			10/05/2012 13:04			10/05/2012 13:04			
	Matrix	Water			Water			Water			
SW-846 9038 Sulfate	Units	mg/L	Spike			Control				RPD	
	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
14808-79-8 Sulfate	20.1	5.0	20.0	37.7	88	75 - 125	37.7	88	0.03	25	

Analytical Batch 491600	Client ID	MW-5-01			1112242MS			1112242MSD			
Prep Batch N/A	GCAL ID	21210020501			1113635			1113636			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	10/05/2012 13:35			10/05/2012 13:35			10/05/2012 13:35			
	Matrix	Water			Water			Water			
SW-846 9038 Sulfate	Units	mg/L	Spike			Control				RPD	
	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
14808-79-8 Sulfate	5.0	5.0	20.0	27.9	114	75 - 125	27.9	114	0.04	25	

GCAL

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only	Client Name	Client #	Workorder #	Due Date
	ERM SC	4833	212092809	10/9/12

Report to:
Client: ERM-SC
Address: 200 Wingo Way #101
Mt. Pleasant, SC 29464
Contact: Christopher.stang@erm.com
Phone: 843-416-5100
Fax:

Bill to:
Client: SAME
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: Allied Air 140261
Sampled By: C. Stang / S. Stokes

Lab use only:
Custody Seal used ☐ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 3.6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	VOC's 8260	NH_3 NO_3 SO_3 SO_4	Remarks:	Lab ID
L	9/27/12	0820		X	MW-1	None	4	X	X		1
		0820			MW-1D		3				2
		0910			MW-2		4		X		3
		0900			MW-2D		3				4
		1405			MW-3		4		X		5
		1400			MW-3D		3				6
		0955			MW-4		4		X		7
		0955			MW-4D		3				8
		1155			MW-5		4		X		9
		1050			MW-6R		4		X		10
		1120			MW-7		4		X		11
		1410			MW-8		3		X no		12
		1310			MW-10		3				13
		1320			MW-11		3				14

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FedEx	9/27/12	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
FedEx		9/28/12	900
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: 8007 9704 3338

1 of 2

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

GCAL

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

Chain of Custody Record

Lab use only	Client Name	Client #	Workorder #	Due Date
	ERM SC	4833	212092809	10/9/12

Report to:
Client: ERM-SC
Address: 200 Wingo Way #101
Mt. Pleasant, SC 29464
Contact: 843-416-5100
Phone: Christopher.Stang@erm.com
Fax:

Bill to:
Client: Same
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: Allied Air
Sampled By: C. Stang / S. Stokes

Lab use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 3.6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Analytical Requests & Method: VOC's 8260	NO3, NO2, SO3, SO4	Remarks:	Lab ID
W	9/27/12	1315		X	MW-14	None	3	X			15
	9/27/12	1200			MW-15		4	X	X		16
	9/26/12	1420			SW-2		3	X			17
	9/26/12	1345			SW-3		3	X			18
	9/27/12	—			DUP-1		3	X			19
	9/27/12	—			DUP-2		3	X			20
	9/26	0900			EB-1		3	X			21
	9/26	0905			FB-1		3	X			22
	9/27	0710			EB-2		3	X			23
↓	9/27	0715		↓	FB-2		3	X			24
	9/27				Trip Blank CS 9-28-12		3	X			25

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		9/27/12	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fed Ex		9/28/12	920
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: 2 of 2

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

[1] rix: ... ater, ... il, SI ... id, L ... , SL ge, ... CT = oal t = ai can cept I ch Ple wri ang :25) 17

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

SAMPLE RECEIVING CHECKLIST

SAMPLE DELIVERY GROUP	212092809
Client 4833 - ERM SC	**Transport Method** FEDEX
Profile 235029 - Alied Air	**Received By** Saucier, Charlotte
Line Item(s) 2 - Water	**Receive Date(s)** 09/28/12

CHECKLIST			
Were all samples received using proper thermal preservation?	☑ Yes	☐ No	☐ NA
When used, were all custody seals intact?	☑ Yes	☐ No	☐ NA
Were all samples received in proper containers?	☑ Yes	☐ No	☐ NA
Were all samples received using proper chemical preservation?	☑ Yes	☐ No	☐ NA
Was preservative added to any container at the lab?	☐ Yes	☑ No	☐ NA
Were all containers received in good condition?	☑ Yes	☐ No	☐ NA
Were all VOA vials received with no head space?	☑ Yes	☐ No	☐ NA
Do all sample labels match the Chain of Custody?	☐ Yes	☑ No	☐ NA
Did the Chain of Custody list the sampling technician?	☑ Yes	☐ No	☐ NA
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑ Yes	☐ No	☐ NA

COOLERS

Airbill	Temp(oC)
8007 9704 3338	3.6

DISCREPANCIES

21209280925 - TRIP BLANK
- Sample Discrepancy

LABORATORY PRESERVATIONS

None

NOTES	TRIP BLANK RECEIVED BUT NOT LISTED ON COC

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 10/05/2012

GCAL Report 212092808

Deliver To	ERM 200 Wingo Way Suite 101 Mount Pleasant, SC 29464 843-416-5126 Ext. direc
Attn	Christopher Stang

Project Allied Air 140261

CASE NARRATIVE

Client: ERM SC **Report:** 212092808

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 21209280802 (SS-2 6-8), 21209280801 (SS-1 2-4), 21209280809 (SS-9 2-4), 21209280811 (SS-11 0-2), 21209280803 (SS-3 14-16) and 21209280812 (SS-12 0-2) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

In the SW-846 8260B analysis for analytical batch 491553, the LCS and/or LCSD recoveries are above the upper control limit for 1,2-Dichloroethane. This compound was not detected in the associated samples.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues
Technical Director
GCAL REPORT 212092808

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280801	SS-1 2-4	Solid	09/24/2012 11:25	09/28/2012 09:20
21209280802	SS-2 6-8	Solid	09/24/2012 11:10	09/28/2012 09:20
21209280803	SS-3 14-16	Solid	09/24/2012 10:50	09/28/2012 09:20
21209280804	SS-4 2-4	Solid	09/24/2012 10:20	09/28/2012 09:20
21209280805	SS-5 2-4	Solid	09/24/2012 09:50	09/28/2012 09:20
21209280806	SS-6 8-10	Solid	09/24/2012 09:30	09/28/2012 09:20
21209280807	SS-7 6-8	Solid	09/24/2012 13:10	09/28/2012 09:20
21209280808	SS-8 0-2	Solid	09/24/2012 12:50	09/28/2012 09:20
21209280809	SS-9 2-4	Solid	09/24/2012 12:35	09/28/2012 09:20
21209280810	SS-10 2-4	Solid	09/24/2012 14:00	09/28/2012 09:20
21209280811	SS-11 0-2	Solid	09/24/2012 13:40	09/28/2012 09:20
21209280812	SS-12 0-2	Solid	09/24/2012 13:25	09/28/2012 09:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280801	SS-1 2-4	Solid	09/24/2012 11:25	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
95-63-6	1,2,4-Trimethylbenzene	4090	214		ug/Kg
91-20-3	Naphthalene	808	214		ug/Kg
103-65-1	n-Propylbenzene	524	214		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280802	SS-2 6-8	Solid	09/24/2012 11:10	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
540-59-0	1,2-Dichloroethene(Total)	6240	451		ug/Kg
100-41-4	Ethylbenzene	878	226		ug/Kg
75-01-4	Vinyl chloride	1410	226		ug/Kg
1330-20-7	Xylene (total)	3470	451		ug/Kg
156-59-2	cis-1,2-Dichloroethene	6180	226		ug/Kg
136777-61-2	m,p-Xylene	3210	226		ug/Kg
95-47-6	o-Xylene	268	226		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280803	SS-3 14-16	Solid	09/24/2012 10:50	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
156-59-2	cis-1,2-Dichloroethene	479	256		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280804	SS-4 2-4	Solid	09/24/2012 10:20	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
95-63-6	1,2,4-Trimethylbenzene	10.6	5.23		ug/Kg
78-93-3	2-Butanone	12.1	5.23		ug/Kg
99-87-6	4-Isopropyltoluene	26.9	5.23		ug/Kg
67-64-1	Acetone	44.3	26.2		ug/Kg
100-41-4	Ethylbenzene	12.4	5.23		ug/Kg
108-88-3	Toluene	29.2	5.23		ug/Kg
75-01-4	Vinyl chloride	25.7	5.23		ug/Kg
1330-20-7	Xylene (total)	45.8	10.5		ug/Kg
136777-61-2	m,p-Xylene	30.0	5.23		ug/Kg
95-47-6	o-Xylene	15.7	5.23		ug/Kg

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280805	SS-5 2-4	Solid	09/24/2012 09:50	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
108-88-3	Toluene	11.4	5.18		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280807	SS-7 6-8	Solid	09/24/2012 13:10	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
108-88-3	Toluene	8.54	4.61		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280809	SS-9 2-4	Solid	09/24/2012 12:35	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
95-63-6	1,2,4-Trimethylbenzene	429	248		ug/Kg
91-20-3	Naphthalene	1030	248		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280810	SS-10 2-4	Solid	09/24/2012 14:00	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
75-34-3	1,1-Dichloroethane	7.07	4.38		ug/Kg
67-64-1	Acetone	34.0	21.9		ug/Kg
136777-61-2	m,p-Xylene	5.03	4.38		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280811	SS-11 0-2	Solid	09/24/2012 13:40	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
95-63-6	1,2,4-Trimethylbenzene	14500	482		ug/Kg
91-20-3	Naphthalene	3470	482		ug/Kg
103-65-1	n-Propylbenzene	626	482		ug/Kg

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280812	SS-12 0-2	Solid	09/24/2012 13:25	09/28/2012 09:20

SW-846 8260B

CAS#	Parameter	Result	RDL	REG LIMIT	Units
95-63-6	1,2,4-Trimethylbenzene	1220	228		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1590	228		ug/Kg
91-20-3	Naphthalene	1440	228		ug/Kg
1330-20-7	Xylene (total)	1370	457		ug/Kg
136777-61-2	m,p-Xylene	983	228		ug/Kg
95-47-6	o-Xylene	390	228		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280801	SS-1 2-4	Solid	09/24/2012 11:25	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:04	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	214		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	214		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	214		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	214		ug/Kg
75-34-3	1,1-Dichloroethane	ND	214		ug/Kg
75-35-4	1,1-Dichloroethene	ND	214		ug/Kg
563-58-6	1,1-Dichloropropene	ND	214		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	214		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	214		ug/Kg
95-63-6	**1,2,4-Trimethylbenzene**	**4090**	**214**		**ug/Kg**
96-12-8	1,2-Dibromo-3-chloropropane	ND	214		ug/Kg
106-93-4	1,2-Dibromoethane	ND	214		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	214		ug/Kg
107-06-2	1,2-Dichloroethane	ND	214		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	427		ug/Kg
78-87-5	1,2-Dichloropropane	ND	214		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	214		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	214		ug/Kg
142-28-9	1,3-Dichloropropane	ND	214		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	214		ug/Kg
594-20-7	2,2-Dichloropropane	ND	214		ug/Kg
78-93-3	2-Butanone	ND	214		ug/Kg
95-49-8	2-Chlorotoluene	ND	214		ug/Kg
591-78-6	2-Hexanone	ND	214		ug/Kg
106-43-4	4-Chlorotoluene	ND	214		ug/Kg
99-87-6	4-Isopropyltoluene	ND	214		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	214		ug/Kg
67-64-1	Acetone	ND	1070		ug/Kg
71-43-2	Benzene	ND	214		ug/Kg
108-86-1	Bromobenzene	ND	214		ug/Kg
74-97-5	Bromochloromethane	ND	214		ug/Kg
75-27-4	Bromodichloromethane	ND	214		ug/Kg
75-25-2	Bromoform	ND	214		ug/Kg
74-83-9	Bromomethane	ND	214		ug/Kg
75-15-0	Carbon disulfide	ND	214		ug/Kg
56-23-5	Carbon tetrachloride	ND	214		ug/Kg
108-90-7	Chlorobenzene	ND	214		ug/Kg
75-00-3	Chloroethane	ND	214		ug/Kg
67-66-3	Chloroform	ND	214		ug/Kg
74-87-3	Chloromethane	ND	214		ug/Kg
124-48-1	Dibromochloromethane	ND	214		ug/Kg
74-95-3	Dibromomethane	ND	214		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	214		ug/Kg
100-41-4	Ethylbenzene	ND	214		ug/Kg
87-68-3	Hexachlorobutadiene	ND	214		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	214		ug/Kg
74-88-4	Methyl iodide	ND	214		ug/Kg
75-09-2	Methylene chloride	ND	427		ug/Kg
91-20-3	**Naphthalene**	**808**	**214**		**ug/Kg**
100-42-5	Styrene	ND	214		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280801	SS-1 2-4	Solid	09/24/2012 11:25	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:04	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	214		ug/Kg
108-88-3	Toluene	ND	214		ug/Kg
79-01-6	Trichloroethene	ND	214		ug/Kg
75-69-4	Trichlorofluoromethane	ND	214		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	214		ug/Kg
75-01-4	Vinyl chloride	ND	214		ug/Kg
1330-20-7	Xylene (total)	ND	427		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	214		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	214		ug/Kg
136777-61-2	m,p-Xylene	ND	214		ug/Kg
104-51-8	n-Butylbenzene	ND	214		ug/Kg
103-65-1	**n-Propylbenzene**	**524**	**214**		**ug/Kg**
95-47-6	o-Xylene	ND	214		ug/Kg
135-98-8	sec-Butylbenzene	ND	214		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	214		ug/Kg
98-06-6	tert-Butylbenzene	ND	214		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	214		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	214		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	214		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1950	2040	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	1950	1960	ug/Kg	101	65 - 130
2037-26-5	Toluene d8	1950	1900	ug/Kg	97	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1950	2040	ug/Kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280802	SS-2 6-8	Solid	09/24/2012 11:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:25	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	226		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	226		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	226		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	226		ug/Kg
75-34-3	1,1-Dichloroethane	ND	226		ug/Kg
75-35-4	1,1-Dichloroethene	ND	226		ug/Kg
563-58-6	1,1-Dichloropropene	ND	226		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	226		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	226		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	226		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	226		ug/Kg
106-93-4	1,2-Dibromoethane	ND	226		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	226		ug/Kg
107-06-2	1,2-Dichloroethane	ND	226		ug/Kg
540-59-0	**1,2-Dichloroethene(Total)**	**6240**	**451**		**ug/Kg**
78-87-5	1,2-Dichloropropane	ND	226		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	226		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	226		ug/Kg
142-28-9	1,3-Dichloropropane	ND	226		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	226		ug/Kg
594-20-7	2,2-Dichloropropane	ND	226		ug/Kg
78-93-3	2-Butanone	ND	226		ug/Kg
95-49-8	2-Chlorotoluene	ND	226		ug/Kg
591-78-6	2-Hexanone	ND	226		ug/Kg
106-43-4	4-Chlorotoluene	ND	226		ug/Kg
99-87-6	4-Isopropyltoluene	ND	226		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	226		ug/Kg
67-64-1	Acetone	ND	1130		ug/Kg
71-43-2	Benzene	ND	226		ug/Kg
108-86-1	Bromobenzene	ND	226		ug/Kg
74-97-5	Bromochloromethane	ND	226		ug/Kg
75-27-4	Bromodichloromethane	ND	226		ug/Kg
75-25-2	Bromoform	ND	226		ug/Kg
74-83-9	Bromomethane	ND	226		ug/Kg
75-15-0	Carbon disulfide	ND	226		ug/Kg
56-23-5	Carbon tetrachloride	ND	226		ug/Kg
108-90-7	Chlorobenzene	ND	226		ug/Kg
75-00-3	Chloroethane	ND	226		ug/Kg
67-66-3	Chloroform	ND	226		ug/Kg
74-87-3	Chloromethane	ND	226		ug/Kg
124-48-1	Dibromochloromethane	ND	226		ug/Kg
74-95-3	Dibromomethane	ND	226		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	226		ug/Kg
100-41-4	**Ethylbenzene**	**878**	**226**		**ug/Kg**
87-68-3	Hexachlorobutadiene	ND	226		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	226		ug/Kg
74-88-4	Methyl iodide	ND	226		ug/Kg
75-09-2	Methylene chloride	ND	451		ug/Kg
91-20-3	Naphthalene	ND	226		ug/Kg
100-42-5	Styrene	ND	226		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280802	SS-2 6-8	Solid	09/24/2012 11:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:25	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	226		ug/Kg
108-88-3	Toluene	ND	226		ug/Kg
79-01-6	Trichloroethene	ND	226		ug/Kg
75-69-4	Trichlorofluoromethane	ND	226		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	226		ug/Kg
75-01-4	**Vinyl chloride**	**1410**	**226**		**ug/Kg**
1330-20-7	**Xylene (total)**	**3470**	**451**		**ug/Kg**
156-59-2	**cis-1,2-Dichloroethene**	**6180**	**226**		**ug/Kg**
10061-01-5	cis-1,3-Dichloropropene	ND	226		ug/Kg
136777-61-2	**m,p-Xylene**	**3210**	**226**		**ug/Kg**
104-51-8	n-Butylbenzene	ND	226		ug/Kg
103-65-1	n-Propylbenzene	ND	226		ug/Kg
95-47-6	**o-Xylene**	**268**	**226**		**ug/Kg**
135-98-8	sec-Butylbenzene	ND	226		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	226		ug/Kg
98-06-6	tert-Butylbenzene	ND	226		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	226		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	226		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	226		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1860	1970	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	1860	1900	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	1860	1830	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1860	1950	ug/Kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280803	SS-3 14-16	Solid	09/24/2012 10:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/04/2012 19:55	CEK	491553

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	256		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	256		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	256		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	256		ug/Kg
75-34-3	1,1-Dichloroethane	ND	256		ug/Kg
75-35-4	1,1-Dichloroethene	ND	256		ug/Kg
563-58-6	1,1-Dichloropropene	ND	256		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	256		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	256		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	256		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	256		ug/Kg
106-93-4	1,2-Dibromoethane	ND	256		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	256		ug/Kg
107-06-2	1,2-Dichloroethane	ND	256		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	512		ug/Kg
78-87-5	1,2-Dichloropropane	ND	256		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	256		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	256		ug/Kg
142-28-9	1,3-Dichloropropane	ND	256		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	256		ug/Kg
594-20-7	2,2-Dichloropropane	ND	256		ug/Kg
78-93-3	2-Butanone	ND	256		ug/Kg
95-49-8	2-Chlorotoluene	ND	256		ug/Kg
591-78-6	2-Hexanone	ND	256		ug/Kg
106-43-4	4-Chlorotoluene	ND	256		ug/Kg
99-87-6	4-Isopropyltoluene	ND	256		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	256		ug/Kg
67-64-1	Acetone	ND	1280		ug/Kg
71-43-2	Benzene	ND	256		ug/Kg
108-86-1	Bromobenzene	ND	256		ug/Kg
74-97-5	Bromochloromethane	ND	256		ug/Kg
75-27-4	Bromodichloromethane	ND	256		ug/Kg
75-25-2	Bromoform	ND	256		ug/Kg
74-83-9	Bromomethane	ND	256		ug/Kg
75-15-0	Carbon disulfide	ND	256		ug/Kg
56-23-5	Carbon tetrachloride	ND	256		ug/Kg
108-90-7	Chlorobenzene	ND	256		ug/Kg
75-00-3	Chloroethane	ND	256		ug/Kg
67-66-3	Chloroform	ND	256		ug/Kg
74-87-3	Chloromethane	ND	256		ug/Kg
124-48-1	Dibromochloromethane	ND	256		ug/Kg
74-95-3	Dibromomethane	ND	256		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	256		ug/Kg
100-41-4	Ethylbenzene	ND	256		ug/Kg
87-68-3	Hexachlorobutadiene	ND	256		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	256		ug/Kg
74-88-4	Methyl iodide	ND	256		ug/Kg
75-09-2	Methylene chloride	ND	512		ug/Kg
91-20-3	Naphthalene	ND	256		ug/Kg
100-42-5	Styrene	ND	256		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280803	SS-3 14-16	Solid	09/24/2012 10:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/04/2012 19:55	CEK	491553

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	256		ug/Kg
108-88-3	Toluene	ND	256		ug/Kg
79-01-6	Trichloroethene	ND	256		ug/Kg
75-69-4	Trichlorofluoromethane	ND	256		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	256		ug/Kg
75-01-4	Vinyl chloride	ND	256		ug/Kg
1330-20-7	Xylene (total)	ND	512		ug/Kg
156-59-2	**cis-1,2-Dichloroethene**	**479**	**256**		**ug/Kg**
10061-01-5	cis-1,3-Dichloropropene	ND	256		ug/Kg
136777-61-2	m,p-Xylene	ND	256		ug/Kg
104-51-8	n-Butylbenzene	ND	256		ug/Kg
103-65-1	n-Propylbenzene	ND	256		ug/Kg
95-47-6	o-Xylene	ND	256		ug/Kg
135-98-8	sec-Butylbenzene	ND	256		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	256		ug/Kg
98-06-6	tert-Butylbenzene	ND	256		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	256		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	256		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	256		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2090	2090	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	2090	2110	ug/Kg	101	65 - 130
2037-26-5	Toluene d8	2090	2010	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2090	2280	ug/Kg	109	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280804	SS-4 2-4	Solid	09/24/2012 10:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 14:38	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.23		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	5.23		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.23		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	5.23		ug/Kg
75-34-3	1,1-Dichloroethane	ND	5.23		ug/Kg
75-35-4	1,1-Dichloroethene	ND	5.23		ug/Kg
563-58-6	1,1-Dichloropropene	ND	5.23		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	5.23		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.23		ug/Kg
95-63-6	**1,2,4-Trimethylbenzene**	**10.6**	**5.23**		**ug/Kg**
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.23		ug/Kg
106-93-4	1,2-Dibromoethane	ND	5.23		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	5.23		ug/Kg
107-06-2	1,2-Dichloroethane	ND	5.23		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	10.5		ug/Kg
78-87-5	1,2-Dichloropropane	ND	5.23		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.23		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	5.23		ug/Kg
142-28-9	1,3-Dichloropropane	ND	5.23		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	5.23		ug/Kg
594-20-7	2,2-Dichloropropane	ND	5.23		ug/Kg
78-93-3	**2-Butanone**	**12.1**	**5.23**		**ug/Kg**
95-49-8	2-Chlorotoluene	ND	5.23		ug/Kg
591-78-6	2-Hexanone	ND	5.23		ug/Kg
106-43-4	4-Chlorotoluene	ND	5.23		ug/Kg
99-87-6	**4-Isopropyltoluene**	**26.9**	**5.23**		**ug/Kg**
108-10-1	4-Methyl-2-pentanone	ND	5.23		ug/Kg
67-64-1	**Acetone**	**44.3**	**26.2**		**ug/Kg**
71-43-2	Benzene	ND	5.23		ug/Kg
108-86-1	Bromobenzene	ND	5.23		ug/Kg
74-97-5	Bromochloromethane	ND	5.23		ug/Kg
75-27-4	Bromodichloromethane	ND	5.23		ug/Kg
75-25-2	Bromoform	ND	5.23		ug/Kg
74-83-9	Bromomethane	ND	5.23		ug/Kg
75-15-0	Carbon disulfide	ND	5.23		ug/Kg
56-23-5	Carbon tetrachloride	ND	5.23		ug/Kg
108-90-7	Chlorobenzene	ND	5.23		ug/Kg
75-00-3	Chloroethane	ND	5.23		ug/Kg
67-66-3	Chloroform	ND	5.23		ug/Kg
74-87-3	Chloromethane	ND	5.23		ug/Kg
124-48-1	Dibromochloromethane	ND	5.23		ug/Kg
74-95-3	Dibromomethane	ND	5.23		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	5.23		ug/Kg
100-41-4	**Ethylbenzene**	**12.4**	**5.23**		**ug/Kg**
87-68-3	Hexachlorobutadiene	ND	5.23		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.23		ug/Kg
74-88-4	Methyl iodide	ND	5.23		ug/Kg
75-09-2	Methylene chloride	ND	10.5		ug/Kg
91-20-3	Naphthalene	ND	5.23		ug/Kg
100-42-5	Styrene	ND	5.23		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280804	SS-4 2-4	Solid	09/24/2012 10:20	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 14:38	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.23		ug/Kg
108-88-3	**Toluene**	**29.2**	**5.23**		**ug/Kg**
79-01-6	Trichloroethene	ND	5.23		ug/Kg
75-69-4	Trichlorofluoromethane	ND	5.23		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	5.23		ug/Kg
75-01-4	**Vinyl chloride**	**25.7**	**5.23**		**ug/Kg**
1330-20-7	**Xylene (total)**	**45.8**	**10.5**		**ug/Kg**
156-59-2	cis-1,2-Dichloroethene	ND	5.23		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.23		ug/Kg
136777-61-2	**m,p-Xylene**	**30.0**	**5.23**		**ug/Kg**
104-51-8	n-Butylbenzene	ND	5.23		ug/Kg
103-65-1	n-Propylbenzene	ND	5.23		ug/Kg
95-47-6	**o-Xylene**	**15.7**	**5.23**		**ug/Kg**
135-98-8	sec-Butylbenzene	ND	5.23		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.23		ug/Kg
98-06-6	tert-Butylbenzene	ND	5.23		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	5.23		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.23		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.23		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	44.4	39.8	ug/Kg	90	62 - 127
1868-53-7	Dibromofluoromethane	44.4	45.3	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	44.4	51	ug/Kg	115	71 - 132
17060-07-0	1,2-Dichloroethane-d4	44.4	45.7	ug/Kg	103	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280805	SS-5 2-4	Solid	09/24/2012 09:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:01	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.18		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	5.18		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.18		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	5.18		ug/Kg
75-34-3	1,1-Dichloroethane	ND	5.18		ug/Kg
75-35-4	1,1-Dichloroethene	ND	5.18		ug/Kg
563-58-6	1,1-Dichloropropene	ND	5.18		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	5.18		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.18		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.18		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.18		ug/Kg
106-93-4	1,2-Dibromoethane	ND	5.18		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	5.18		ug/Kg
107-06-2	1,2-Dichloroethane	ND	5.18		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	10.4		ug/Kg
78-87-5	1,2-Dichloropropane	ND	5.18		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.18		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	5.18		ug/Kg
142-28-9	1,3-Dichloropropane	ND	5.18		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	5.18		ug/Kg
594-20-7	2,2-Dichloropropane	ND	5.18		ug/Kg
78-93-3	2-Butanone	ND	5.18		ug/Kg
95-49-8	2-Chlorotoluene	ND	5.18		ug/Kg
591-78-6	2-Hexanone	ND	5.18		ug/Kg
106-43-4	4-Chlorotoluene	ND	5.18		ug/Kg
99-87-6	4-Isopropyltoluene	ND	5.18		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	5.18		ug/Kg
67-64-1	Acetone	ND	25.9		ug/Kg
71-43-2	Benzene	ND	5.18		ug/Kg
108-86-1	Bromobenzene	ND	5.18		ug/Kg
74-97-5	Bromochloromethane	ND	5.18		ug/Kg
75-27-4	Bromodichloromethane	ND	5.18		ug/Kg
75-25-2	Bromoform	ND	5.18		ug/Kg
74-83-9	Bromomethane	ND	5.18		ug/Kg
75-15-0	Carbon disulfide	ND	5.18		ug/Kg
56-23-5	Carbon tetrachloride	ND	5.18		ug/Kg
108-90-7	Chlorobenzene	ND	5.18		ug/Kg
75-00-3	Chloroethane	ND	5.18		ug/Kg
67-66-3	Chloroform	ND	5.18		ug/Kg
74-87-3	Chloromethane	ND	5.18		ug/Kg
124-48-1	Dibromochloromethane	ND	5.18		ug/Kg
74-95-3	Dibromomethane	ND	5.18		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	5.18		ug/Kg
100-41-4	Ethylbenzene	ND	5.18		ug/Kg
87-68-3	Hexachlorobutadiene	ND	5.18		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.18		ug/Kg
74-88-4	Methyl iodide	ND	5.18		ug/Kg
75-09-2	Methylene chloride	ND	10.4		ug/Kg
91-20-3	Naphthalene	ND	5.18		ug/Kg
100-42-5	Styrene	ND	5.18		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280805	SS-5 2-4	Solid	09/24/2012 09:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:01	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	5.18		ug/Kg
108-88-3	**Toluene**	**11.4**	**5.18**		**ug/Kg**
79-01-6	Trichloroethene	ND	5.18		ug/Kg
75-69-4	Trichlorofluoromethane	ND	5.18		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	5.18		ug/Kg
75-01-4	Vinyl chloride	ND	5.18		ug/Kg
1330-20-7	Xylene (total)	ND	10.4		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	5.18		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.18		ug/Kg
136777-61-2	m,p-Xylene	ND	5.18		ug/Kg
104-51-8	n-Butylbenzene	ND	5.18		ug/Kg
103-65-1	n-Propylbenzene	ND	5.18		ug/Kg
95-47-6	o-Xylene	ND	5.18		ug/Kg
135-98-8	sec-Butylbenzene	ND	5.18		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.18		ug/Kg
98-06-6	tert-Butylbenzene	ND	5.18		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	5.18		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.18		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.18		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	47.5	44.5	ug/Kg	94	62 - 127
1868-53-7	Dibromofluoromethane	47.5	49.8	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	47.5	49.4	ug/Kg	104	71 - 132
17060-07-0	1,2-Dichloroethane-d4	47.5	52.7	ug/Kg	111	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280806	SS-6 8-10	Solid	09/24/2012 09:30	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:23	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.59		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	4.59		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.59		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	4.59		ug/Kg
75-34-3	1,1-Dichloroethane	ND	4.59		ug/Kg
75-35-4	1,1-Dichloroethene	ND	4.59		ug/Kg
563-58-6	1,1-Dichloropropene	ND	4.59		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	4.59		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	4.59		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	4.59		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.59		ug/Kg
106-93-4	1,2-Dibromoethane	ND	4.59		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	4.59		ug/Kg
107-06-2	1,2-Dichloroethane	ND	4.59		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	9.18		ug/Kg
78-87-5	1,2-Dichloropropane	ND	4.59		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	4.59		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	4.59		ug/Kg
142-28-9	1,3-Dichloropropane	ND	4.59		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	4.59		ug/Kg
594-20-7	2,2-Dichloropropane	ND	4.59		ug/Kg
78-93-3	2-Butanone	ND	4.59		ug/Kg
95-49-8	2-Chlorotoluene	ND	4.59		ug/Kg
591-78-6	2-Hexanone	ND	4.59		ug/Kg
106-43-4	4-Chlorotoluene	ND	4.59		ug/Kg
99-87-6	4-Isopropyltoluene	ND	4.59		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	4.59		ug/Kg
67-64-1	Acetone	ND	22.9		ug/Kg
71-43-2	Benzene	ND	4.59		ug/Kg
108-86-1	Bromobenzene	ND	4.59		ug/Kg
74-97-5	Bromochloromethane	ND	4.59		ug/Kg
75-27-4	Bromodichloromethane	ND	4.59		ug/Kg
75-25-2	Bromoform	ND	4.59		ug/Kg
74-83-9	Bromomethane	ND	4.59		ug/Kg
75-15-0	Carbon disulfide	ND	4.59		ug/Kg
56-23-5	Carbon tetrachloride	ND	4.59		ug/Kg
108-90-7	Chlorobenzene	ND	4.59		ug/Kg
75-00-3	Chloroethane	ND	4.59		ug/Kg
67-66-3	Chloroform	ND	4.59		ug/Kg
74-87-3	Chloromethane	ND	4.59		ug/Kg
124-48-1	Dibromochloromethane	ND	4.59		ug/Kg
74-95-3	Dibromomethane	ND	4.59		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	4.59		ug/Kg
100-41-4	Ethylbenzene	ND	4.59		ug/Kg
87-68-3	Hexachlorobutadiene	ND	4.59		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	4.59		ug/Kg
74-88-4	Methyl iodide	ND	4.59		ug/Kg
75-09-2	Methylene chloride	ND	9.18		ug/Kg
91-20-3	Naphthalene	ND	4.59		ug/Kg
100-42-5	Styrene	ND	4.59		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280806	SS-6 8-10	Solid	09/24/2012 09:30	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:23	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	4.59		ug/Kg
108-88-3	Toluene	ND	4.59		ug/Kg
79-01-6	Trichloroethene	ND	4.59		ug/Kg
75-69-4	Trichlorofluoromethane	ND	4.59		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	4.59		ug/Kg
75-01-4	Vinyl chloride	ND	4.59		ug/Kg
1330-20-7	Xylene (total)	ND	9.18		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	4.59		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	4.59		ug/Kg
136777-61-2	m,p-Xylene	ND	4.59		ug/Kg
104-51-8	n-Butylbenzene	ND	4.59		ug/Kg
103-65-1	n-Propylbenzene	ND	4.59		ug/Kg
95-47-6	o-Xylene	ND	4.59		ug/Kg
135-98-8	sec-Butylbenzene	ND	4.59		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	4.59		ug/Kg
98-06-6	tert-Butylbenzene	ND	4.59		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	4.59		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	4.59		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.59		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	37.7	36.9	ug/Kg	98	62 - 127
1868-53-7	Dibromofluoromethane	37.7	38.5	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	37.7	38.9	ug/Kg	103	71 - 132
17060-07-0	1,2-Dichloroethane-d4	37.7	39.6	ug/Kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280807	SS-7 6-8	Solid	09/24/2012 13:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:45	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.61		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	4.61		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.61		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	4.61		ug/Kg
75-34-3	1,1-Dichloroethane	ND	4.61		ug/Kg
75-35-4	1,1-Dichloroethene	ND	4.61		ug/Kg
563-58-6	1,1-Dichloropropene	ND	4.61		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	4.61		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	4.61		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	4.61		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.61		ug/Kg
106-93-4	1,2-Dibromoethane	ND	4.61		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	4.61		ug/Kg
107-06-2	1,2-Dichloroethane	ND	4.61		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	9.22		ug/Kg
78-87-5	1,2-Dichloropropane	ND	4.61		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	4.61		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	4.61		ug/Kg
142-28-9	1,3-Dichloropropane	ND	4.61		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	4.61		ug/Kg
594-20-7	2,2-Dichloropropane	ND	4.61		ug/Kg
78-93-3	2-Butanone	ND	4.61		ug/Kg
95-49-8	2-Chlorotoluene	ND	4.61		ug/Kg
591-78-6	2-Hexanone	ND	4.61		ug/Kg
106-43-4	4-Chlorotoluene	ND	4.61		ug/Kg
99-87-6	4-Isopropyltoluene	ND	4.61		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	4.61		ug/Kg
67-64-1	Acetone	ND	23.1		ug/Kg
71-43-2	Benzene	ND	4.61		ug/Kg
108-86-1	Bromobenzene	ND	4.61		ug/Kg
74-97-5	Bromochloromethane	ND	4.61		ug/Kg
75-27-4	Bromodichloromethane	ND	4.61		ug/Kg
75-25-2	Bromoform	ND	4.61		ug/Kg
74-83-9	Bromomethane	ND	4.61		ug/Kg
75-15-0	Carbon disulfide	ND	4.61		ug/Kg
56-23-5	Carbon tetrachloride	ND	4.61		ug/Kg
108-90-7	Chlorobenzene	ND	4.61		ug/Kg
75-00-3	Chloroethane	ND	4.61		ug/Kg
67-66-3	Chloroform	ND	4.61		ug/Kg
74-87-3	Chloromethane	ND	4.61		ug/Kg
124-48-1	Dibromochloromethane	ND	4.61		ug/Kg
74-95-3	Dibromomethane	ND	4.61		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	4.61		ug/Kg
100-41-4	Ethylbenzene	ND	4.61		ug/Kg
87-68-3	Hexachlorobutadiene	ND	4.61		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	4.61		ug/Kg
74-88-4	Methyl iodide	ND	4.61		ug/Kg
75-09-2	Methylene chloride	ND	9.22		ug/Kg
91-20-3	Naphthalene	ND	4.61		ug/Kg
100-42-5	Styrene	ND	4.61		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280807	SS-7 6-8	Solid	09/24/2012 13:10	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 15:45	LBH	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	4.61		ug/Kg
108-88-3	**Toluene**	**8.54**	**4.61**		**ug/Kg**
79-01-6	Trichloroethene	ND	4.61		ug/Kg
75-69-4	Trichlorofluoromethane	ND	4.61		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	4.61		ug/Kg
75-01-4	Vinyl chloride	ND	4.61		ug/Kg
1330-20-7	Xylene (total)	ND	9.22		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	4.61		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	4.61		ug/Kg
136777-61-2	m,p-Xylene	ND	4.61		ug/Kg
104-51-8	n-Butylbenzene	ND	4.61		ug/Kg
103-65-1	n-Propylbenzene	ND	4.61		ug/Kg
95-47-6	o-Xylene	ND	4.61		ug/Kg
135-98-8	sec-Butylbenzene	ND	4.61		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	4.61		ug/Kg
98-06-6	tert-Butylbenzene	ND	4.61		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	4.61		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	4.61		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.61		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	39.7	37.5	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	39.7	40.3	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	39.7	42.3	ug/Kg	107	71 - 132
17060-07-0	1,2-Dichloroethane-d4	39.7	43.5	ug/Kg	110	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280808	SS-8 0-2	Solid	09/24/2012 12:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 16:07	EDS	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.80		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	4.80		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.80		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	4.80		ug/Kg
75-34-3	1,1-Dichloroethane	ND	4.80		ug/Kg
75-35-4	1,1-Dichloroethene	ND	4.80		ug/Kg
563-58-6	1,1-Dichloropropene	ND	4.80		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	4.80		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	4.80		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	4.80		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.80		ug/Kg
106-93-4	1,2-Dibromoethane	ND	4.80		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	4.80		ug/Kg
107-06-2	1,2-Dichloroethane	ND	4.80		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	9.60		ug/Kg
78-87-5	1,2-Dichloropropane	ND	4.80		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	4.80		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	4.80		ug/Kg
142-28-9	1,3-Dichloropropane	ND	4.80		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	4.80		ug/Kg
594-20-7	2,2-Dichloropropane	ND	4.80		ug/Kg
78-93-3	2-Butanone	ND	4.80		ug/Kg
95-49-8	2-Chlorotoluene	ND	4.80		ug/Kg
591-78-6	2-Hexanone	ND	4.80		ug/Kg
106-43-4	4-Chlorotoluene	ND	4.80		ug/Kg
99-87-6	4-Isopropyltoluene	ND	4.80		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	4.80		ug/Kg
67-64-1	Acetone	ND	24.0		ug/Kg
71-43-2	Benzene	ND	4.80		ug/Kg
108-86-1	Bromobenzene	ND	4.80		ug/Kg
74-97-5	Bromochloromethane	ND	4.80		ug/Kg
75-27-4	Bromodichloromethane	ND	4.80		ug/Kg
75-25-2	Bromoform	ND	4.80		ug/Kg
74-83-9	Bromomethane	ND	4.80		ug/Kg
75-15-0	Carbon disulfide	ND	4.80		ug/Kg
56-23-5	Carbon tetrachloride	ND	4.80		ug/Kg
108-90-7	Chlorobenzene	ND	4.80		ug/Kg
75-00-3	Chloroethane	ND	4.80		ug/Kg
67-66-3	Chloroform	ND	4.80		ug/Kg
74-87-3	Chloromethane	ND	4.80		ug/Kg
124-48-1	Dibromochloromethane	ND	4.80		ug/Kg
74-95-3	Dibromomethane	ND	4.80		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	4.80		ug/Kg
100-41-4	Ethylbenzene	ND	4.80		ug/Kg
87-68-3	Hexachlorobutadiene	ND	4.80		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	4.80		ug/Kg
74-88-4	Methyl iodide	ND	4.80		ug/Kg
75-09-2	Methylene chloride	ND	9.60		ug/Kg
91-20-3	Naphthalene	ND	4.80		ug/Kg
100-42-5	Styrene	ND	4.80		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280808	SS-8 0-2	Solid	09/24/2012 12:50	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 16:07	EDS	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	4.80		ug/Kg
108-88-3	Toluene	ND	4.80		ug/Kg
79-01-6	Trichloroethene	ND	4.80		ug/Kg
75-69-4	Trichlorofluoromethane	ND	4.80		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	4.80		ug/Kg
75-01-4	Vinyl chloride	ND	4.80		ug/Kg
1330-20-7	Xylene (total)	ND	9.60		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	4.80		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	4.80		ug/Kg
136777-61-2	m,p-Xylene	ND	4.80		ug/Kg
104-51-8	n-Butylbenzene	ND	4.80		ug/Kg
103-65-1	n-Propylbenzene	ND	4.80		ug/Kg
95-47-6	o-Xylene	ND	4.80		ug/Kg
135-98-8	sec-Butylbenzene	ND	4.80		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	4.80		ug/Kg
98-06-6	tert-Butylbenzene	ND	4.80		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	4.80		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	4.80		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.80		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	45.2	43.8	ug/Kg	97	62 - 127
1868-53-7	Dibromofluoromethane	45.2	47	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	45.2	47.4	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	45.2	49.6	ug/Kg	110	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280809	SS-9 2-4	Solid	09/24/2012 12:35	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:48	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	248		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	248		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	248		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	248		ug/Kg
75-34-3	1,1-Dichloroethane	ND	248		ug/Kg
75-35-4	1,1-Dichloroethene	ND	248		ug/Kg
563-58-6	1,1-Dichloropropene	ND	248		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	248		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	248		ug/Kg
95-63-6	**1,2,4-Trimethylbenzene**	**429**	**248**		**ug/Kg**
96-12-8	1,2-Dibromo-3-chloropropane	ND	248		ug/Kg
106-93-4	1,2-Dibromoethane	ND	248		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	248		ug/Kg
107-06-2	1,2-Dichloroethane	ND	248		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	496		ug/Kg
78-87-5	1,2-Dichloropropane	ND	248		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	248		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	248		ug/Kg
142-28-9	1,3-Dichloropropane	ND	248		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	248		ug/Kg
594-20-7	2,2-Dichloropropane	ND	248		ug/Kg
78-93-3	2-Butanone	ND	248		ug/Kg
95-49-8	2-Chlorotoluene	ND	248		ug/Kg
591-78-6	2-Hexanone	ND	248		ug/Kg
106-43-4	4-Chlorotoluene	ND	248		ug/Kg
99-87-6	4-Isopropyltoluene	ND	248		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	248		ug/Kg
67-64-1	Acetone	ND	1240		ug/Kg
71-43-2	Benzene	ND	248		ug/Kg
108-86-1	Bromobenzene	ND	248		ug/Kg
74-97-5	Bromochloromethane	ND	248		ug/Kg
75-27-4	Bromodichloromethane	ND	248		ug/Kg
75-25-2	Bromoform	ND	248		ug/Kg
74-83-9	Bromomethane	ND	248		ug/Kg
75-15-0	Carbon disulfide	ND	248		ug/Kg
56-23-5	Carbon tetrachloride	ND	248		ug/Kg
108-90-7	Chlorobenzene	ND	248		ug/Kg
75-00-3	Chloroethane	ND	248		ug/Kg
67-66-3	Chloroform	ND	248		ug/Kg
74-87-3	Chloromethane	ND	248		ug/Kg
124-48-1	Dibromochloromethane	ND	248		ug/Kg
74-95-3	Dibromomethane	ND	248		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	248		ug/Kg
100-41-4	Ethylbenzene	ND	248		ug/Kg
87-68-3	Hexachlorobutadiene	ND	248		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	248		ug/Kg
74-88-4	Methyl iodide	ND	248		ug/Kg
75-09-2	Methylene chloride	ND	496		ug/Kg
91-20-3	**Naphthalene**	**1030**	**248**		**ug/Kg**
100-42-5	Styrene	ND	248		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280809	SS-9 2-4	Solid	09/24/2012 12:35	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	09/30/2012 20:48	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	248		ug/Kg
108-88-3	Toluene	ND	248		ug/Kg
79-01-6	Trichloroethene	ND	248		ug/Kg
75-69-4	Trichlorofluoromethane	ND	248		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	248		ug/Kg
75-01-4	Vinyl chloride	ND	248		ug/Kg
1330-20-7	Xylene (total)	ND	496		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	248		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	248		ug/Kg
136777-61-2	m,p-Xylene	ND	248		ug/Kg
104-51-8	n-Butylbenzene	ND	248		ug/Kg
103-65-1	n-Propylbenzene	ND	248		ug/Kg
95-47-6	o-Xylene	ND	248		ug/Kg
135-98-8	sec-Butylbenzene	ND	248		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	248		ug/Kg
98-06-6	tert-Butylbenzene	ND	248		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	248		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	248		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	248		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2210	2330	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	2210	2260	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	2210	2170	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2210	2350	ug/Kg	106	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280810	SS-10 2-4	Solid	09/24/2012 14:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 16:29	EDS	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.38		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	4.38		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.38		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	4.38		ug/Kg
75-34-3	**1,1-Dichloroethane**	**7.07**	**4.38**		**ug/Kg**
75-35-4	1,1-Dichloroethene	ND	4.38		ug/Kg
563-58-6	1,1-Dichloropropene	ND	4.38		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	4.38		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	4.38		ug/Kg
95-63-6	1,2,4-Trimethylbenzene	ND	4.38		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.38		ug/Kg
106-93-4	1,2-Dibromoethane	ND	4.38		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	4.38		ug/Kg
107-06-2	1,2-Dichloroethane	ND	4.38		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	8.76		ug/Kg
78-87-5	1,2-Dichloropropane	ND	4.38		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	4.38		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	4.38		ug/Kg
142-28-9	1,3-Dichloropropane	ND	4.38		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	4.38		ug/Kg
594-20-7	2,2-Dichloropropane	ND	4.38		ug/Kg
78-93-3	2-Butanone	ND	4.38		ug/Kg
95-49-8	2-Chlorotoluene	ND	4.38		ug/Kg
591-78-6	2-Hexanone	ND	4.38		ug/Kg
106-43-4	4-Chlorotoluene	ND	4.38		ug/Kg
99-87-6	4-Isopropyltoluene	ND	4.38		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	4.38		ug/Kg
67-64-1	**Acetone**	**34.0**	**21.9**		**ug/Kg**
71-43-2	Benzene	ND	4.38		ug/Kg
108-86-1	Bromobenzene	ND	4.38		ug/Kg
74-97-5	Bromochloromethane	ND	4.38		ug/Kg
75-27-4	Bromodichloromethane	ND	4.38		ug/Kg
75-25-2	Bromoform	ND	4.38		ug/Kg
74-83-9	Bromomethane	ND	4.38		ug/Kg
75-15-0	Carbon disulfide	ND	4.38		ug/Kg
56-23-5	Carbon tetrachloride	ND	4.38		ug/Kg
108-90-7	Chlorobenzene	ND	4.38		ug/Kg
75-00-3	Chloroethane	ND	4.38		ug/Kg
67-66-3	Chloroform	ND	4.38		ug/Kg
74-87-3	Chloromethane	ND	4.38		ug/Kg
124-48-1	Dibromochloromethane	ND	4.38		ug/Kg
74-95-3	Dibromomethane	ND	4.38		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	4.38		ug/Kg
100-41-4	Ethylbenzene	ND	4.38		ug/Kg
87-68-3	Hexachlorobutadiene	ND	4.38		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	4.38		ug/Kg
74-88-4	Methyl iodide	ND	4.38		ug/Kg
75-09-2	Methylene chloride	ND	8.76		ug/Kg
91-20-3	Naphthalene	ND	4.38		ug/Kg
100-42-5	Styrene	ND	4.38		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280810	**SS-10 2-4**	Solid	09/24/2012 14:00	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/01/2012 16:29	EDS	491183

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	4.38		ug/Kg
108-88-3	Toluene	ND	4.38		ug/Kg
79-01-6	Trichloroethene	ND	4.38		ug/Kg
75-69-4	Trichlorofluoromethane	ND	4.38		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	4.38		ug/Kg
75-01-4	Vinyl chloride	ND	4.38		ug/Kg
1330-20-7	Xylene (total)	ND	8.76		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	4.38		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	4.38		ug/Kg
136777-61-2	**m,p-Xylene**	**5.03**	**4.38**		**ug/Kg**
104-51-8	n-Butylbenzene	ND	4.38		ug/Kg
103-65-1	n-Propylbenzene	ND	4.38		ug/Kg
95-47-6	o-Xylene	ND	4.38		ug/Kg
135-98-8	sec-Butylbenzene	ND	4.38		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	4.38		ug/Kg
98-06-6	tert-Butylbenzene	ND	4.38		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	4.38		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	4.38		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.38		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	37.3	36.3	ug/Kg	97	62 - 127
1868-53-7	Dibromofluoromethane	37.3	37.7	ug/Kg	101	65 - 130
2037-26-5	Toluene d8	37.3	39.8	ug/Kg	107	71 - 132
17060-07-0	1,2-Dichloroethane-d4	37.3	39	ug/Kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280811	SS-11 0-2	Solid	09/24/2012 13:40	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	09/30/2012 21:08	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	482		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	482		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	482		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	482		ug/Kg
75-34-3	1,1-Dichloroethane	ND	482		ug/Kg
75-35-4	1,1-Dichloroethene	ND	482		ug/Kg
563-58-6	1,1-Dichloropropene	ND	482		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	482		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	482		ug/Kg
95-63-6	**1,2,4-Trimethylbenzene**	**14500**	**482**		**ug/Kg**
96-12-8	1,2-Dibromo-3-chloropropane	ND	482		ug/Kg
106-93-4	1,2-Dibromoethane	ND	482		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	482		ug/Kg
107-06-2	1,2-Dichloroethane	ND	482		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	963		ug/Kg
78-87-5	1,2-Dichloropropane	ND	482		ug/Kg
108-67-8	1,3,5-Trimethylbenzene	ND	482		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	482		ug/Kg
142-28-9	1,3-Dichloropropane	ND	482		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	482		ug/Kg
594-20-7	2,2-Dichloropropane	ND	482		ug/Kg
78-93-3	2-Butanone	ND	482		ug/Kg
95-49-8	2-Chlorotoluene	ND	482		ug/Kg
591-78-6	2-Hexanone	ND	482		ug/Kg
106-43-4	4-Chlorotoluene	ND	482		ug/Kg
99-87-6	4-Isopropyltoluene	ND	482		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	482		ug/Kg
67-64-1	Acetone	ND	2410		ug/Kg
71-43-2	Benzene	ND	482		ug/Kg
108-86-1	Bromobenzene	ND	482		ug/Kg
74-97-5	Bromochloromethane	ND	482		ug/Kg
75-27-4	Bromodichloromethane	ND	482		ug/Kg
75-25-2	Bromoform	ND	482		ug/Kg
74-83-9	Bromomethane	ND	482		ug/Kg
75-15-0	Carbon disulfide	ND	482		ug/Kg
56-23-5	Carbon tetrachloride	ND	482		ug/Kg
108-90-7	Chlorobenzene	ND	482		ug/Kg
75-00-3	Chloroethane	ND	482		ug/Kg
67-66-3	Chloroform	ND	482		ug/Kg
74-87-3	Chloromethane	ND	482		ug/Kg
124-48-1	Dibromochloromethane	ND	482		ug/Kg
74-95-3	Dibromomethane	ND	482		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	482		ug/Kg
100-41-4	Ethylbenzene	ND	482		ug/Kg
87-68-3	Hexachlorobutadiene	ND	482		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	482		ug/Kg
74-88-4	Methyl iodide	ND	482		ug/Kg
75-09-2	Methylene chloride	ND	963		ug/Kg
91-20-3	**Naphthalene**	**3470**	**482**		**ug/Kg**
100-42-5	Styrene	ND	482		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280811	SS-11 0-2	Solid	09/24/2012 13:40	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	09/30/2012 21:08	CEK	491134

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	482		ug/Kg
108-88-3	Toluene	ND	482		ug/Kg
79-01-6	Trichloroethene	ND	482		ug/Kg
75-69-4	Trichlorofluoromethane	ND	482		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	482		ug/Kg
75-01-4	Vinyl chloride	ND	482		ug/Kg
1330-20-7	Xylene (total)	ND	963		ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	482		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	482		ug/Kg
136777-61-2	m,p-Xylene	ND	482		ug/Kg
104-51-8	n-Butylbenzene	ND	482		ug/Kg
103-65-1	**n-Propylbenzene**	**626**	**482**		**ug/Kg**
95-47-6	o-Xylene	ND	482		ug/Kg
135-98-8	sec-Butylbenzene	ND	482		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	482		ug/Kg
98-06-6	tert-Butylbenzene	ND	482		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	482		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	482		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	482		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4770	5010	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	4770	4790	ug/Kg	100	65 - 130
2037-26-5	Toluene d8	4770	4760	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	4770	4900	ug/Kg	103	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280812	SS-12 0-2	Solid	09/24/2012 13:25	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/04/2012 20:15	CEK	491553

CAS#	Parameter	Result	RDL	REG LIMIT	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	228		ug/Kg
71-55-6	1,1,1-Trichloroethane	ND	228		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	228		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	228		ug/Kg
75-34-3	1,1-Dichloroethane	ND	228		ug/Kg
75-35-4	1,1-Dichloroethene	ND	228		ug/Kg
563-58-6	1,1-Dichloropropene	ND	228		ug/Kg
96-18-4	1,2,3-Trichloropropane	ND	228		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	228		ug/Kg
95-63-6	**1,2,4-Trimethylbenzene**	**1220**	**228**		**ug/Kg**
96-12-8	1,2-Dibromo-3-chloropropane	ND	228		ug/Kg
106-93-4	1,2-Dibromoethane	ND	228		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	228		ug/Kg
107-06-2	1,2-Dichloroethane	ND	228		ug/Kg
540-59-0	1,2-Dichloroethene(Total)	ND	457		ug/Kg
78-87-5	1,2-Dichloropropane	ND	228		ug/Kg
108-67-8	**1,3,5-Trimethylbenzene**	**1590**	**228**		**ug/Kg**
541-73-1	1,3-Dichlorobenzene	ND	228		ug/Kg
142-28-9	1,3-Dichloropropane	ND	228		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	228		ug/Kg
594-20-7	2,2-Dichloropropane	ND	228		ug/Kg
78-93-3	2-Butanone	ND	228		ug/Kg
95-49-8	2-Chlorotoluene	ND	228		ug/Kg
591-78-6	2-Hexanone	ND	228		ug/Kg
106-43-4	4-Chlorotoluene	ND	228		ug/Kg
99-87-6	4-Isopropyltoluene	ND	228		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	228		ug/Kg
67-64-1	Acetone	ND	1140		ug/Kg
71-43-2	Benzene	ND	228		ug/Kg
108-86-1	Bromobenzene	ND	228		ug/Kg
74-97-5	Bromochloromethane	ND	228		ug/Kg
75-27-4	Bromodichloromethane	ND	228		ug/Kg
75-25-2	Bromoform	ND	228		ug/Kg
74-83-9	Bromomethane	ND	228		ug/Kg
75-15-0	Carbon disulfide	ND	228		ug/Kg
56-23-5	Carbon tetrachloride	ND	228		ug/Kg
108-90-7	Chlorobenzene	ND	228		ug/Kg
75-00-3	Chloroethane	ND	228		ug/Kg
67-66-3	Chloroform	ND	228		ug/Kg
74-87-3	Chloromethane	ND	228		ug/Kg
124-48-1	Dibromochloromethane	ND	228		ug/Kg
74-95-3	Dibromomethane	ND	228		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	228		ug/Kg
100-41-4	Ethylbenzene	ND	228		ug/Kg
87-68-3	Hexachlorobutadiene	ND	228		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	228		ug/Kg
74-88-4	Methyl iodide	ND	228		ug/Kg
75-09-2	Methylene chloride	ND	457		ug/Kg
91-20-3	**Naphthalene**	**1440**	**228**		**ug/Kg**
100-42-5	Styrene	ND	228		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21209280812	SS-12 0-2	Solid	09/24/2012 13:25	09/28/2012 09:20

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/04/2012 20:15	CEK	491553

CAS#	Parameter	Result	RDL	REG LIMIT	Units
127-18-4	Tetrachloroethene	ND	228		ug/Kg
108-88-3	Toluene	ND	228		ug/Kg
79-01-6	Trichloroethene	ND	228		ug/Kg
75-69-4	Trichlorofluoromethane	ND	228		ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	228		ug/Kg
75-01-4	Vinyl chloride	ND	228		ug/Kg
1330-20-7	**Xylene (total)**	**1370**	**457**		**ug/Kg**
156-59-2	cis-1,2-Dichloroethene	ND	228		ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	228		ug/Kg
136777-61-2	**m,p-Xylene**	**983**	**228**		**ug/Kg**
104-51-8	n-Butylbenzene	ND	228		ug/Kg
103-65-1	n-Propylbenzene	ND	228		ug/Kg
95-47-6	**o-Xylene**	**390**	**228**		**ug/Kg**
135-98-8	sec-Butylbenzene	ND	228		ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	228		ug/Kg
98-06-6	tert-Butylbenzene	ND	228		ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	228		ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	228		ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	228		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2100	2190	ug/Kg	104	62 - 127
1868-53-7	Dibromofluoromethane	2100	2080	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	2100	1970	ug/Kg	94	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2100	2370	ug/Kg	113	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 491134	Client ID	MB491134			LCS491134			LCSD491134			
Prep Batch N/A	GCAL ID	1111645			1111646			1111647			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/30/2012 13:13			09/30/2012 11:27			09/30/2012 11:47			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	ND	1250	2500	2580	103	38 - 152	2660	106	3	30
74-97-5	Bromochloromethane	ND	250	2500	2700	108	73 - 127	2760	110	2	30
75-27-4	Bromodichloromethane	ND	250	2500	2710	108	74 - 126	2770	111	2	30
75-25-2	Bromoform	ND	250	2500	2590	104	67 - 122	2640	106	2	30
74-83-9	Bromomethane	ND	250	2500	2340	94	48 - 139	2530	101	8	30
75-15-0	Carbon disulfide	ND	250	2500	2660	106	68 - 133	2650	106	0.4	30
56-23-5	Carbon tetrachloride	ND	250	2500	3070	123	71 - 133	3050	122	0.7	30
75-00-3	Chloroethane	ND	250	2500	2810	112	57 - 144	2790	112	0.7	30
136777-61-2	m,p-Xylene	ND	250	5000	5350	107	72 - 128	5170	103	3	30
67-66-3	Chloroform	ND	250	2500	2680	107	74 - 124	2640	106	2	30
74-87-3	Chloromethane	ND	250	2500	2570	103	61 - 130	2630	105	2	30
124-48-1	Dibromochloromethane	ND	250	2500	2690	108	74 - 122	2640	106	2	30
74-95-3	Dibromomethane	ND	250	2500	2620	105	72 - 125	2740	110	4	30
75-71-8	Dichlorodifluoromethane	ND	250	2500	2970	119	59 - 138	2960	118	0.3	30
75-34-3	1,1-Dichloroethane	ND	250	2500	2620	105	71 - 126	2630	105	0.4	30
107-06-2	1,2-Dichloroethane	ND	250	2500	2680	107	68 - 126	2710	108	1	30
156-59-2	cis-1,2-Dichloroethene	ND	250	2500	2620	105	72 - 130	2660	106	2	30
156-60-5	trans-1,2-Dichloroethene	ND	250	2500	2760	110	67 - 134	2730	109	1	30
75-09-2	Methylene chloride	ND	500	2500	2500	100	66 - 130	2600	104	4	30
78-87-5	1,2-Dichloropropane	ND	250	2500	2520	101	72 - 129	2590	104	3	30
10061-01-5	cis-1,3-Dichloropropene	ND	250	2500	2480	99	72 - 129	2490	100	0.4	30
10061-02-6	trans-1,3-Dichloropropene	ND	250	2500	2440	98	72 - 126	2510	100	3	30
100-41-4	Ethylbenzene	ND	250	2500	2650	106	74 - 130	2620	105	1	30
591-78-6	2-Hexanone	ND	250	2500	2380	95	47 - 137	2400	96	0.8	30
98-82-8	Isopropylbenzene (Cumene)	ND	250	2500	2780	111	74 - 125	2670	107	4	30
78-93-3	2-Butanone	ND	250	2500	2360	94	47 - 142	2550	102	8	30
74-88-4	Methyl iodide	ND	250	2500	2440	98	54 - 140	2390	96	2	30
108-10-1	4-Methyl-2-pentanone	ND	250	2500	2380	95	52 - 136	2490	100	5	30
103-65-1	n-Propylbenzene	ND	250	2500	2710	108	73 - 137	2600	104	4	30
100-42-5	Styrene	ND	250	2500	2630	105	72 - 128	2590	104	2	30
127-18-4	Tetrachloroethene	ND	250	2500	2950	118	70 - 127	2820	113	5	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	2500	2830	113	77 - 122	2790	112	1	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	2500	2370	95	66 - 129	2450	98	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491134	Client ID	MB491134	LCS491134	LCSD491134
Prep Batch N/A	GCAL ID	1111645	1111646	1111647
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	09/30/2012 13:13	09/30/2012 11:27	09/30/2012 11:47
	Matrix	Solid	Solid	Solid

SW-846 8260B		Units	ug/Kg	Spike			Control				RPD
		Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
120-82-1	1,2,4-Trichlorobenzene	ND	250	2500	2710	108	64 - 135	2730	109	0.7	30
71-55-6	1,1,1-Trichloroethane	ND	250	2500	2900	116	70 - 130	2930	117	1	30
79-00-5	1,1,2-Trichloroethane	ND	250	2500	2610	104	74 - 120	2660	106	2	30
75-69-4	Trichlorofluoromethane	ND	250	2500	3110	124	64 - 141	3170	127	2	30
96-18-4	1,2,3-Trichloropropane	ND	250	2500	2430	97	63 - 132	2420	97	0.4	30
95-63-6	1,2,4-Trimethylbenzene	ND	250	2500	2650	106	75 - 130	2560	102	3	30
108-67-8	1,3,5-Trimethylbenzene	ND	250	2500	2700	108	74 - 136	2610	104	3	30
75-01-4	Vinyl chloride	ND	250	2500	2870	115	67 - 131	2870	115	0	30
95-47-6	o-Xylene	ND	250	2500	2670	107	69 - 133	2600	104	3	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	2500	2130	85	60 - 123	2230	89	5	30
106-93-4	1,2-Dibromoethane	ND	250	2500	2620	105	74 - 122	2620	105	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	250	2500	2540	102	69 - 126	2670	107	5	30
540-59-0	1,2-Dichloroethene(Total)	ND	500	5000	5380	108	72 - 129	5390	108	0.2	30
99-87-6	4-Isopropyltoluene	ND	250	2500	2800	112	71 - 136	2680	107	4	30
1330-20-7	Xylene (total)	ND	500	7500	8020	107	71 - 129	7780	104	3	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	250	2500	2130	85	44 - 146	2310	92	8	30
594-20-7	2,2-Dichloropropane	ND	250	2500	2540	102	74 - 129	2700	108	6	30
76-13-1	Trichlorotrifluoroethane	ND	250	2500	2870	115	66 - 139	2890	116	0.7	30
563-58-6	1,1-Dichloropropene	ND	250	2500	2840	114	70 - 138	2840	114	0	30
142-28-9	1,3-Dichloropropane	ND	250	2500	2550	102	77 - 121	2560	102	0.4	30
108-86-1	Bromobenzene	ND	250	2500	2510	100	73 - 124	2520	101	0.4	30
95-49-8	2-Chlorotoluene	ND	250	2500	2600	104	75 - 132	2590	104	0.4	30
106-43-4	4-Chlorotoluene	ND	250	2500	2560	102	74 - 133	2530	101	1	30
98-06-6	tert-Butylbenzene	ND	250	2500	2800	112	72 - 136	2670	107	5	30
135-98-8	sec-Butylbenzene	ND	250	2500	2830	113	72 - 141	2700	108	5	30
541-73-1	1,3-Dichlorobenzene	ND	250	2500	2630	105	77 - 127	2580	103	2	30
106-46-7	1,4-Dichlorobenzene	ND	250	2500	2630	105	74 - 123	2580	103	2	30
104-51-8	n-Butylbenzene	ND	250	2500	2800	112	68 - 144	2680	107	4	30
95-50-1	1,2-Dichlorobenzene	ND	250	2500	2580	103	76 - 125	2540	102	2	30
87-68-3	Hexachlorobutadiene	ND	250	2500	2410	96	71 - 140	2400	96	0.4	30
91-20-3	Naphthalene	ND	250	2500	2390	96	54 - 132	2630	105	10	30
75-35-4	1,1-Dichloroethene	ND	250	2500	2700	108	68 - 129	2780	111	3	30
71-43-2	Benzene	ND	250	2500	2580	103	73 - 128	2590	104	0.4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491134	Client ID	MB491134			LCS491134			LCSD491134			
Prep Batch N/A	GCAL ID	1111645			1111646			1111647			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	09/30/2012 13:13			09/30/2012 11:27			09/30/2012 11:47			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
79-01-6	Trichloroethene	ND	250	2500	2720	109	78 - 127	2740	110	0.7	30
108-88-3	Toluene	ND	250	2500	2620	105	74 - 121	2570	103	2	30
108-90-7	Chlorobenzene	ND	250	2500	2650	106	75 - 121	2570	103	3	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2620	105	2500	2630	105	62 - 127	2560	102		
1868-53-7	Dibromofluoromethane	2540	102	2500	2600	104	65 - 130	2650	106		
2037-26-5	Toluene d8	2450	98	2500	2500	100	71 - 132	2470	99		
17060-07-0	1,2-Dichloroethane-d4	2580	103	2500	2640	106	62 - 125	2610	104		

Analytical Batch 491183	Client ID	MB491183			LCS491183			LCSD491183			
Prep Batch N/A	GCAL ID	1111774			1111775			1111776			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/01/2012 11:44			10/01/2012 10:37			10/01/2012 11:00			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
67-64-1	Acetone	ND	25.0	50.0	52.7	105	38 - 152	53.4	107	1	30
74-97-5	Bromochloromethane	ND	5.00	50.0	49.1	98	73 - 127	49.2	98	0.2	30
75-27-4	Bromodichloromethane	ND	5.00	50.0	48.8	98	74 - 126	48.3	97	1	30
75-25-2	Bromoform	ND	5.00	50.0	50.1	100	67 - 122	49.6	99	1	30
74-83-9	Bromomethane	ND	5.00	50.0	51.0	102	48 - 139	49.9	100	2	30
75-15-0	Carbon disulfide	ND	5.00	50.0	46.4	93	68 - 133	44.8	90	4	30
56-23-5	Carbon tetrachloride	ND	5.00	50.0	45.1	90	71 - 133	44.8	90	0.7	30
75-00-3	Chloroethane	ND	5.00	50.0	46.9	94	57 - 144	46.2	92	2	30
136777-61-2	m,p-Xylene	ND	5.00	100	94.8	95	72 - 128	93.7	94	1	30
67-66-3	Chloroform	ND	5.00	50.0	47.6	95	74 - 124	46.9	94	1	30
74-87-3	Chloromethane	ND	5.00	50.0	43.7	87	61 - 130	46.6	93	6	30
124-48-1	Dibromochloromethane	ND	5.00	50.0	49.2	98	74 - 122	48.7	97	1	30
74-95-3	Dibromomethane	ND	5.00	50.0	50.6	101	72 - 125	50.1	100	1	30
75-71-8	Dichlorodifluoromethane	ND	5.00	50.0	42.8	86	59 - 138	41.0	82	4	30
75-34-3	1,1-Dichloroethane	ND	5.00	50.0	46.6	93	71 - 126	46.1	92	1	30
107-06-2	1,2-Dichloroethane	ND	5.00	50.0	49.9	100	68 - 126	49.2	98	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491183	Client ID	MB491183			LCS491183			LCSD491183			
Prep Batch N/A	GCAL ID	1111774			1111775			1111776			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/01/2012 11:44			10/01/2012 10:37			10/01/2012 11:00			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
156-59-2	cis-1,2-Dichloroethene	ND	5.00	50.0	47.9	96	72 - 130	47.0	94	2	30
156-60-5	trans-1,2-Dichloroethene	ND	5.00	50.0	47.4	95	67 - 134	45.9	92	3	30
75-09-2	Methylene chloride	ND	10.0	50.0	50.7	101	66 - 130	50.4	101	0.6	30
78-87-5	1,2-Dichloropropane	ND	5.00	50.0	48.1	96	72 - 129	47.6	95	1	30
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	50.0	50.9	102	72 - 129	49.7	99	2	30
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	50.0	49.6	99	72 - 126	49.7	99	0.2	30
100-41-4	Ethylbenzene	ND	5.00	50.0	47.0	94	74 - 130	46.1	92	2	30
591-78-6	2-Hexanone	ND	5.00	50.0	56.5	113	47 - 137	55.6	111	2	30
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	50.0	46.9	94	74 - 125	46.1	92	2	30
78-93-3	2-Butanone	ND	5.00	50.0	55.8	112	47 - 142	54.4	109	3	30
74-88-4	Methyl iodide	ND	5.00	50.0	52.0	104	54 - 140	49.4	99	5	30
108-10-1	4-Methyl-2-pentanone	ND	5.00	50.0	56.3	113	52 - 136	54.8	110	3	30
103-65-1	n-Propylbenzene	ND	5.00	50.0	46.6	93	73 - 137	45.4	91	3	30
100-42-5	Styrene	ND	5.00	50.0	49.3	99	72 - 128	48.6	97	1	30
127-18-4	Tetrachloroethene	ND	5.00	50.0	42.8	86	70 - 127	42.2	84	1	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	50.0	47.7	95	77 - 122	47.1	94	1	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	50.0	51.5	103	66 - 129	50.8	102	1	30
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	50.0	49.4	99	64 - 135	48.3	97	2	30
71-55-6	1,1,1-Trichloroethane	ND	5.00	50.0	46.0	92	70 - 130	44.8	90	3	30
79-00-5	1,1,2-Trichloroethane	ND	5.00	50.0	48.8	98	74 - 120	48.7	97	0.2	30
75-69-4	Trichlorofluoromethane	ND	5.00	50.0	45.3	91	64 - 141	44.1	88	3	30
96-18-4	1,2,3-Trichloropropane	ND	5.00	50.0	51.9	104	63 - 132	51.1	102	2	30
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	50.0	48.2	96	75 - 130	47.3	95	2	30
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	50.0	48.0	96	74 - 136	47.0	94	2	30
75-01-4	Vinyl chloride	ND	5.00	50.0	46.2	92	67 - 131	45.2	90	2	30
95-47-6	o-Xylene	ND	5.00	50.0	48.1	96	69 - 133	47.6	95	1	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	50.0	53.2	106	60 - 123	51.9	104	2	30
106-93-4	1,2-Dibromoethane	ND	5.00	50.0	49.5	99	74 - 122	49.1	98	0.8	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	50.0	50.6	101	69 - 126	49.7	99	2	30
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	100	95.3	95	72 - 129	92.9	93	3	30
99-87-6	4-Isopropyltoluene	ND	5.00	50.0	47.5	95	71 - 136	46.2	92	3	30
1330-20-7	Xylene (total)	ND	10.0	150	143	95	71 - 129	141	94	1	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	50.0	55.8	112	44 - 146	53.8	108	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491183	Client ID	MB491183			LCS491183			LCSD491183			
Prep Batch N/A	GCAL ID	1111774			1111775			1111776			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/01/2012 11:44			10/01/2012 10:37			10/01/2012 11:00			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
594-20-7	2,2-Dichloropropane	ND	5.00	50.0	46.6	93	74 - 129	45.5	91	2	30
76-13-1	Trichlorotrifluoroethane	ND	5.00	50.0	43.9	88	66 - 139	42.3	85	4	30
563-58-6	1,1-Dichloropropene	ND	5.00	50.0	45.6	91	70 - 138	44.2	88	3	30
142-28-9	1,3-Dichloropropane	ND	5.00	50.0	48.6	97	77 - 121	48.9	98	0.6	30
108-86-1	Bromobenzene	ND	5.00	50.0	47.8	96	73 - 124	46.9	94	2	30
95-49-8	2-Chlorotoluene	ND	5.00	50.0	47.4	95	75 - 132	46.1	92	3	30
106-43-4	4-Chlorotoluene	ND	5.00	50.0	47.1	94	74 - 133	46.4	93	1	30
98-06-6	tert-Butylbenzene	ND	5.00	50.0	47.1	94	72 - 136	46.1	92	2	30
135-98-8	sec-Butylbenzene	ND	5.00	50.0	47.1	94	72 - 141	45.9	92	3	30
541-73-1	1,3-Dichlorobenzene	ND	5.00	50.0	46.8	94	77 - 127	46.0	92	2	30
106-46-7	1,4-Dichlorobenzene	ND	5.00	50.0	47.6	95	74 - 123	46.7	93	2	30
104-51-8	n-Butylbenzene	ND	5.00	50.0	46.9	94	68 - 144	45.5	91	3	30
95-50-1	1,2-Dichlorobenzene	ND	5.00	50.0	48.1	96	76 - 125	47.7	95	0.8	30
87-68-3	Hexachlorobutadiene	ND	5.00	50.0	45.2	90	71 - 140	44.6	89	1	30
91-20-3	Naphthalene	ND	5.00	50.0	56.9	114	54 - 132	56.7	113	0.4	30
75-35-4	1,1-Dichloroethene	ND	5.00	50.0	45.7	91	68 - 129	44.9	90	2	30
71-43-2	Benzene	ND	5.00	50.0	47.3	95	73 - 128	46.6	93	1	30
79-01-6	Trichloroethene	ND	5.00	50.0	45.2	90	78 - 127	44.2	88	2	30
108-88-3	Toluene	ND	5.00	50.0	46.0	92	74 - 121	45.4	91	1	30
108-90-7	Chlorobenzene	ND	5.00	50.0	46.8	94	75 - 121	46.5	93	0.6	30
Surrogate											
460-00-4	4-Bromofluorobenzene	49.6	99	50	48.7	97	62 - 127	49	98		
1868-53-7	Dibromofluoromethane	49.9	100	50	50.7	101	65 - 130	50.3	101		
2037-26-5	Toluene d8	52.5	105	50	49	98	71 - 132	49.4	99		
17060-07-0	1,2-Dichloroethane-d4	47.5	95	50	51.6	103	62 - 125	51.5	103		

GC/MS Volatiles Quality Control Summary

Analytical Batch 491553	Client ID	MB491553			LCS491553			LCSD491553			
Prep Batch N/A	GCAL ID	1113407			1113408			1113409			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/04/2012 16:15			10/04/2012 11:51			10/04/2012 13:29			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
67-64-1	Acetone	ND	1250	2500	3200	128	38 - 152	3430	137	7	30
74-97-5	Bromochloromethane	ND	250	2500	2640	106	73 - 127	2620	105	0.8	30
75-27-4	Bromodichloromethane	ND	250	2500	3090	124	74 - 126	2970	119	4	30
75-25-2	Bromoform	ND	250	2500	2690	108	67 - 122	2710	108	0.7	30
74-83-9	Bromomethane	ND	250	2500	2040	82	48 - 139	2150	86	5	30
75-15-0	Carbon disulfide	ND	250	2500	2740	110	68 - 133	2600	104	5	30
56-23-5	Carbon tetrachloride	ND	250	2500	3190	128	71 - 133	3070	123	4	30
75-00-3	Chloroethane	ND	250	2500	2760	110	57 - 144	2640	106	4	30
136777-61-2	m,p-Xylene	ND	250	5000	5170	103	72 - 128	4920	98	5	30
67-66-3	Chloroform	ND	250	2500	2980	119	74 - 124	2810	112	6	30
74-87-3	Chloromethane	ND	250	2500	2690	108	61 - 130	2450	98	9	30
124-48-1	Dibromochloromethane	ND	250	2500	2510	100	74 - 122	2440	98	3	30
74-95-3	Dibromomethane	ND	250	2500	2940	118	72 - 125	2790	112	5	30
75-71-8	Dichlorodifluoromethane	ND	250	2500	2950	118	59 - 138	2720	109	8	30
75-34-3	1,1-Dichloroethane	ND	250	2500	2820	113	71 - 126	2680	107	5	30
107-06-2	1,2-Dichloroethane	ND	250	2500	3260	**130***	68 - 126	3200	**128***	2	30
156-59-2	cis-1,2-Dichloroethene	ND	250	2500	2810	112	72 - 130	2740	110	3	30
156-60-5	trans-1,2-Dichloroethene	ND	250	2500	2810	112	67 - 134	2650	106	6	30
75-09-2	Methylene chloride	ND	500	2500	2640	106	66 - 130	2570	103	3	30
78-87-5	1,2-Dichloropropane	ND	250	2500	2600	104	72 - 129	2560	102	2	30
10061-01-5	cis-1,3-Dichloropropene	ND	250	2500	2490	100	72 - 129	2470	99	0.8	30
10061-02-6	trans-1,3-Dichloropropene	ND	250	2500	2560	102	72 - 126	2600	104	2	30
100-41-4	Ethylbenzene	ND	250	2500	2700	108	74 - 130	2510	100	7	30
591-78-6	2-Hexanone	ND	250	2500	2910	116	47 - 137	2960	118	2	30
98-82-8	Isopropylbenzene (Cumene)	ND	250	2500	2750	110	74 - 125	2590	104	6	30
78-93-3	2-Butanone	ND	250	2500	2860	114	47 - 142	2990	120	4	30
74-88-4	Methyl iodide	ND	250	2500	1980	79	54 - 140	1980	79	0	30
108-10-1	4-Methyl-2-pentanone	ND	250	2500	2840	114	52 - 136	2860	114	0.7	30
103-65-1	n-Propylbenzene	ND	250	2500	2820	113	73 - 137	2610	104	8	30
100-42-5	Styrene	ND	250	2500	2620	105	72 - 128	2470	99	6	30
127-18-4	Tetrachloroethene	ND	250	2500	2760	110	70 - 127	2600	104	6	30
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	2500	2710	108	77 - 122	2640	106	3	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	2500	2540	102	66 - 129	2480	99	2	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491553	Client ID	MB491553			LCS491553			LCSD491553			
Prep Batch N/A	GCAL ID	1113407			1113408			1113409			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/04/2012 16:15			10/04/2012 11:51			10/04/2012 13:29			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
120-82-1	1,2,4-Trichlorobenzene	ND	250	2500	2920	117	64 - 135	2740	110	6	30
71-55-6	1,1,1-Trichloroethane	ND	250	2500	3090	124	70 - 130	2930	117	5	30
79-00-5	1,1,2-Trichloroethane	ND	250	2500	2570	103	74 - 120	2560	102	0.4	30
75-69-4	Trichlorofluoromethane	ND	250	2500	3230	129	64 - 141	3040	122	6	30
96-18-4	1,2,3-Trichloropropane	ND	250	2500	2790	112	63 - 132	2740	110	2	30
95-63-6	1,2,4-Trimethylbenzene	ND	250	2500	2880	115	75 - 130	2650	106	8	30
108-67-8	1,3,5-Trimethylbenzene	ND	250	2500	2850	114	74 - 136	2630	105	8	30
75-01-4	Vinyl chloride	ND	250	2500	2770	111	67 - 131	2580	103	7	30
95-47-6	o-Xylene	ND	250	2500	2650	106	69 - 133	2480	99	7	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	2500	2280	91	60 - 123	2490	100	9	30
106-93-4	1,2-Dibromoethane	ND	250	2500	2680	107	74 - 122	2620	105	2	30
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	250	2500	2570	103	69 - 126	2620	105	2	30
540-59-0	1,2-Dichloroethene(Total)	ND	500	5000	5620	112	72 - 129	5380	108	4	30
99-87-6	4-Isopropyltoluene	ND	250	2500	2920	117	71 - 136	2640	106	10	30
1330-20-7	Xylene (total)	ND	500	7500	7820	104	71 - 129	7400	99	6	30
110-57-6	trans-1,4-Dichloro-2-butene	ND	250	2500	2220	89	44 - 146	2390	96	7	30
594-20-7	2,2-Dichloropropane	ND	250	2500	2520	101	74 - 129	2280	91	10	30
76-13-1	Trichlorotrifluoroethane	ND	250	2500	2830	113	66 - 139	2690	108	5	30
563-58-6	1,1-Dichloropropene	ND	250	2500	2810	112	70 - 138	2640	106	6	30
142-28-9	1,3-Dichloropropane	ND	250	2500	2610	104	77 - 121	2560	102	2	30
108-86-1	Bromobenzene	ND	250	2500	2830	113	73 - 124	2630	105	7	30
95-49-8	2-Chlorotoluene	ND	250	2500	2760	110	75 - 132	2580	103	7	30
106-43-4	4-Chlorotoluene	ND	250	2500	2790	112	74 - 133	2570	103	8	30
98-06-6	tert-Butylbenzene	ND	250	2500	2950	118	72 - 136	2770	111	6	30
135-98-8	sec-Butylbenzene	ND	250	2500	2820	113	72 - 141	2590	104	9	30
541-73-1	1,3-Dichlorobenzene	ND	250	2500	2760	110	77 - 127	2530	101	9	30
106-46-7	1,4-Dichlorobenzene	ND	250	2500	2590	104	74 - 123	2470	99	5	30
104-51-8	n-Butylbenzene	ND	250	2500	2950	118	68 - 144	2680	107	10	30
95-50-1	1,2-Dichlorobenzene	ND	250	2500	2800	112	76 - 125	2530	101	10	30
87-68-3	Hexachlorobutadiene	ND	250	2500	2970	119	71 - 140	2640	106	12	30
91-20-3	Naphthalene	ND	250	2500	2690	108	54 - 132	2680	107	0.4	30
75-35-4	1,1-Dichloroethene	ND	250	2500	2480	99	68 - 129	2310	92	7	30
71-43-2	Benzene	ND	250	2500	2650	106	73 - 128	2540	102	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 491553	Client ID	MB491553			LCS491553			LCSD491553			
Prep Batch N/A	GCAL ID	1113407			1113408			1113409			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	10/04/2012 16:15			10/04/2012 11:51			10/04/2012 13:29			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		**Units Result**	**ug/Kg RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
79-01-6	Trichloroethene	ND	250	2500	2670	107	78 - 127	2570	103	4	30
108-88-3	Toluene	ND	250	2500	2530	101	74 - 121	2380	95	6	30
108-90-7	Chlorobenzene	ND	250	2500	2600	104	75 - 121	2450	98	6	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2490	100	2500	2480	99	62 - 127	2510	100		
1868-53-7	Dibromofluoromethane	2520	101	2500	2650	106	65 - 130	2700	108		
2037-26-5	Toluene d8	2370	95	2500	2360	94	71 - 132	2370	95		
17060-07-0	1,2-Dichloroethane-d4	2820	113	2500	2900	116	62 - 125	2860	114		

GCAL

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
ERM - SC	4833	21209280	10/09/12
Client Name	Client #	Workorder #	Due Date

Report to:
Client: ERM-SC
Address: 200 Wingo Way #101 Mt Pleasant SC 29464
Contact: Christopher.Stang@erm.com
Phone: 843 849 416-5100
Fax:

Bill to:
Client: SAME
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: Allied Air 140261
Sampled By: C. Stang / S. Stokes

Lab use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 3.2

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	VOC 8260	Remarks:	Lab ID
S	9/24/12	1125			SS-1 2-4	terracore	4	X		1
		1110			SS-2 6-8					2
		1050			SS-3 14-16					3
		1020			SS-4 2-4					4
		0950			SS-5 2-4					5
		0930			SS-6 8-10					6
		1310			SS-7 6-8					7
		1250			SS-8 0-2					8
		~~1235~~ 2-4			SS-9 2-4					9
		1400			SS-10 2-4					10
		1340			SS-11 0-2					11
		1325			SS-12 0-2		L			12

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fedex	9/27/12	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fed Ex	Quality	9/28/12	920
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: 8007 9704 3327

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

SAMPLE RECEIVING CHECKLIST

SAMPLE DELIVERY GROUP	212092808
Client 4833 - ERM SC	**Transport Method** FEDEX
Profile 235029 - Alied Air	**Received By** Pfeifer, Ben J.
Line Item(s) 1 - Soil	**Receive Date(s)** 09/28/12

CHECKLIST			
Were all samples received using proper thermal preservation?	☑ Yes	☐ No	☐ NA
When used, were all custody seals intact?	☑ Yes	☐ No	☐ NA
Were all samples received in proper containers?	☑ Yes	☐ No	☐ NA
Were all samples received using proper chemical preservation?	☑ Yes	☐ No	☐ NA
Was preservative added to any container at the lab?	☐ Yes	☑ No	☐ NA
Were all containers received in good condition?	☑ Yes	☐ No	☐ NA
Were all VOA vials received with no head space?	☐ Yes	☐ No	☑ NA
Do all sample labels match the Chain of Custody?	☑ Yes	☐ No	☐ NA
Did the Chain of Custody list the sampling technician?	☑ Yes	☐ No	☐ NA
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑ Yes	☐ No	☐ NA

COOLERS

Airbill	Temp(oC)
8007 9704 3327	3.2

DISCREPANCIES

None

LABORATORY PRESERVATIONS

None

NOTES	