Sediment Sampling and Analysis Study

Pigg River Power Dam
Franklin County, Virginia

October 19, 2007

Froehling & Robertson, Inc.
1734 Seibel Drive, NE
Roanoke, VA 24012
540.344.7939
www.FandR.com

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Prepared For:

Ms. Johanna Laderman
Executive Director
FishAmerica Foundation
225 Reinekers Lane
Suite 420
Alexandria, Virginia 22314

Prepared By:

FROEHLING & ROBERTSON, INC.
1734 Seibel Drive
Roanoke, VA 24012
(540) 344-7939
(540) 344-3657 Fax

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Prepared by:

Ross O. Roberson
Environmental Scientist

Gregory L. Whitt
Environmental Group Manager

Reviewed by:

for:
Ron W. Etter, CHMM
Director Environmental Services

Donald J. Sipher, PE
Regional Vice President

1.0 Scope of Work

As authorized by FishAmerica Foundation, Froehling & Robertson, Inc. (F&R) performed a sediment survey of the Pigg River Power Dam impoundment in accordance with F&R's Proposal No. 0762-430E, dated March 30, 2007, Addendum 1, dated April 23, 2007, Addendum 2, dated May 9, 2007 and the Quality Assurance/Quality Control (QA/QC) Plan, Revision I, dated August 13, 2007.

2.0 Background

The Pigg River Power Dam was constructed in the early 20th century on the Pigg River, east of the Town of Rocky Mount, Virginia. The concrete gravity dam measures approximately 25 feet in height and spans 240 feet long. The pool extends upstream approximately 11,898 linear feet. The structure was originally constructed by the Light and Power Company of Rocky Mount, Virginia, and provided power to a now-defunct furniture factory. The dam is privately owned.

3.0 Sample Locations

The sample locations for physical and chemical analysis were predetermined by FishAmerica Foundation and pre-marked by the VA RACER Foundation. VA RACER Foundation Project Manager Tom Inge and Franklin County GIS Coordinator Jennifer Martin canoed the river and placed marker tape at each sample location as well as taking Globe Positioning System (GPS) readings. Using this data, F&R established geographic reference points for each location using a Garmin GPSMAP 60Cx GPS receiver and placed marker stakes at each of the sampling sites. Stakes were also placed on the opposite river bank and a line spanning the river was connected to each stake. The stakes were placed at the assumed mean high water (MHW) point on each river bank. Site location maps included in Appendix A show the project location and depict the individual sample points. The sample points are identified herein as Data Point 1 (DP-1) which is located outside of the pool downstream from the dam; Data Point 2 (DP-2) which is the first sample location in the pool; Data Point 3 (DP-3); Data Point 4 (DP-4); Data Point 5 (DP-5); Data Point 6 (DP-6) which is located at the head of the pool; and Data Point 7 (DP-7) which is located outside of the pool. Photographs showing each Data Point and depicting various locations in the study area are included in Appendix B. A description of the data point locations and the corresponding GPS coordinates are presented below in Table 1.

Table 1
Data Point Locations and GPS Coordinates

Data Point	Location	GPS Coordinates
DP-1	Downstream of dam in first depositional area.	Latitude: 36.9961 Longitude: 79.8599
DP-2	Impoundment, approximately 150 feet upstream of dam.	Latitude: 36.9953 Longitude: 79.8597
DP-3	Impoundment, approximately 1,107 feet upstream of DP-2.	Latitude: 36.9923 Longitude: 79.8574
DP-4	Impoundment, approximately 2,200 feet upstream of DP-3.	Latitude: 36.9865 Longitude: 79.8554
DP-5	Impoundment, approximately 4,557 feet upstream of DP-4.	Latitude: 36.9794 Longitude: 79.8586
DP-6	Impoundment, approximately 3,215 feet upstream of DP-5.	Latitude: 36.9865 Longitude: 79.8646
DP-7	Head of the impoundment, immediately upstream of pool, approximately 669 feet upstream of DP-6 and approximately 11,898 feet upstream from the dam.	Latitude: 36.9884 Longitude: 79.8646

F&R also collected sediment cores along transects parallel to the seven (7) pre-determined Data Point locations. Three (3) sediment cores were collected along each transect. The cores were collected at river right (RR), river center (RC), and river left (RL) for a total of 21 transect core samples. The core samples at RR and RL were generally collected within five (5) feet of the adjacent river bank while the cores at RC were taken in the center of the river channel/pool at each sample location.

4.0 Sample Collection

F&R developed and implemented a quality assurance/quality control plan (*QA/QC Plan*) which served as a guidance document for the collection, handling, and analysis of sediment samples for the Pigg River Power Dam Sediment Sampling and Analysis Study. F&R utilized the information contained in pages 10-14 of the *Proposed Sediment Sampling Protocol for the Pigg River Power Dam Removal,* dated August 23, 2006, revised January 23, 2007 as a template for the development of this site-specific *QA/QC Plan* for sample collection and analysis in conjunction with the EPA's *Technical Manual 823-B-01-002*. The *QA/QC Plan Revision I*, dated August 13, 2007 was approved by the Virginia Department of Environmental Quality (DEQ) in a review letter dated August 14, 2007. A copy of the approval letter is included in Appendix C.

A twelve foot, two (2) person pontoon boat was utilized to access the data point locations and to collect the samples at data points DP-2, DP-3, DP-4, and DP-5. Due to low water conditions, the boat was not needed for collection of the samples at data points DP-1, DP-6,

and DP-7. The pontoon boat was stationary and anchored at each sample location during sample collection.

4.1 Sample Collection Methods-Chemical Parameters Analysis

A Wildco® slide hammer driven Ogeechee corer was used to collect sediment cores from each data point location due to its ability to collect a continuous core. The sampling equipment was decontaminated prior to each usage in accordance with the methods detailed in the *QA/QC Plan*. The recovered cores were encased within two (2) inch diameter interior liner core tubes. The exterior diameter of the corer ranges from 2¼ to 4¾ inches. The corer was advanced to pre-reservoir strata or resistance/refusal, which ever was encountered first. When a sufficient quantity of sediment for an individual sample analyses was not recovered during the initial core, a second core, or more, was collected adjacent to and within close proximity of the first core. After each sediment sample was collected, the core tubes were cut open and positioned in a decontaminated processing trough made from a half sleeve of PVC pipe. A visual assessment of the core was performed to identify sediment characteristics and to create a boring log. A MUNSELL® Soil Color Chart was used to help identify distinct sediment layers. Copies of the boring logs for the cores collected for chemical parameters analyses are included in Appendix D. Bar graphs representing the depth at which refusal was encountered during the collection of the core samples are included in Appendix L.

In accordance with the *QA/QC Plan,* the individual core(s) for the seven (7) samples to be submitted for analysis of environmental contaminates were composited based on three criteria. The first criterion was based on biased sampling in order to identify suspect impacted areas ("hot-spots") of the sediment cores. The identification of potential "hot-spots" was based on visual, olfactory, and/or textural differences noted in the core during field observations. Based on a review of the cores, no suspect contaminated layers were identified in any of the cores. The second criterion was sub-sampling based on the observation of distinct layers (horizons) in the stratigraphy (multiple distinct sediment units) of the core. This was accomplished by the collection of grab samples from each distinct layer in the sediment core. Based on field observations, distinct layers were observed in some of the cores; however, due to low volume recovery attributed to compression of the sediment during the advancement of the corer, F&R defaulted to the third criterion in order to obtain the best possible representative samples. The third criterion was sub-sampling based on the collection of representative portions of the core from uniform intervals. The intervals were based on the total core length. The sub-samples were composited into one sample. This method was utilized for all of the samples submitted for analysis.

Visible plant and animal (non-sediment) debris were removed from each sample prior to filling the container. Samples were placed in the appropriate pre-cleaned and pre-preserved sample containers in the order of analyte volatility. After the sample containers were filled, a final decanting was performed to remove remaining water. The samples were placed in coolers packed with ice for storage and transport. Sediment samples for chemical

parameters analysis were collected on August 15 (samples DP1-S1A, DP2-S1A, DP3-S1A and DP4-S1A), and 16, 2007 (samples DP5-S1A, DP6-S1A, and DP7-S1A).

4.2 Sample Collection Methods-Physical Parameters Analysis

The Wildco® Ogeechee corer was used to collect sediment for the 21 transect cores for analysis of grain size distribution. The sampling equipment was decontaminated prior to each usage in accordance with the methods detailed in the *QA/QC Plan*. The recovered cores were encased within two (2) inch liner core tubes. The cores were advanced to pre-reservoir strata or refusal, whichever was encountered first. When a sufficient quantity of material for sample analysis was not recovered during the initial core, a second core or more was collected adjacent to and within close proximity of the first. After each sediment sample was collected, the core tubes were cut open and positioned in a pre-decontaminated processing trough made from a half sleeve of PVC pipe. A visual assessment of the core was performed to identify sediment characteristics and to create a boring log. A MUNSELL Soil Color Chart was used to help identify distinct sediment layers. Copies of the boring logs for the cores collected for physical parameters analyses are included in Appendix E. Bar graphs representing the depth at which refusal was encountered during the collection of the core samples are included in Appendix L.

In addition to the 21 transect cores, seven (7) samples were collected for analysis of the physical characteristics parameters by utilizing a three (3) inch PVC tube that was hammer-driven into the sediment column, capped, and recovered. This modified sample collection technique was necessary due to the fact that the coefficient of consolidation analysis requires a core that is greater than two (2) inches in diameter. The recovered sediment core tubes were cut off approximately 8 to 12 inches in length, the ends were sealed with plastic sheeting and tape, and they were placed in a cooler packed with ice for storage and transport. Sediment samples for physical parameters analysis were collected on August 6th (sample DP1-S1B collected from Data Point DP1T-RC), 7th (sample DP2-S1B collected from Data Point DP2T-RC), 8th (samples DP3-S1B collected from Data Point DP3T-RC and DP4-S1B collected from Data Point DP4T-RC), 9th (samples DP5-S1B collected from Data Point DP5T-RC and DP7-S1B collected from Data Point DP7T-RC), and 10th, 2007 (sample DP6-S1B collected from Data Point DP6T-RC).

5.0 Sample Storage and Transport

Sample containers were individually labeled with an indelible pen. Samples were packaged and iced to maintain a temperature of <4ºC. The shipping containers were shipped with chain-of-custody seals applied after being iced down. In order to reduce the time between sample collection and delivery to the laboratory, the samples were shipped the same day they were collected for over-night delivery to ensure that analytical holding times were not exceeded.

Completed Chain-of-Custody (COC) forms were maintained to document all transfers and

receipts of the samples. The sample labels were a unique identifier that can be traced to the COC form. Copies of the COC forms are included in Appendix F.

6.0 Sample Analysis Results - Chemical Parameters

Air, Water & Soil Laboratories Inc. (AW&S) located at 2109-A North Hamilton Street in Richmond, Virginia performed the chemical analysis. AW&S holds a current State of Virginia Department of General Services Drinking Water Certification (Certification No. VA 00012) and follows the guidelines and procedures of the National Environmental Laboratory Conference (NELAC) constitution, bylaws and standards. AW&S provided QA/QC by performing a Level II Data Package which includes method blanks, matrix spike and matrix spike duplicates (MS/MSD), laboratory control sample and laboratory control sample duplicates (LCS/LCSD), and surrogates. A copy of the Level II QA/QC Data Package is included in Appendix G. In addition, field and equipment blanks were collected for quality control purposes.

The analysis for Phosphorous, Potassium and Alkalinity (as calcium) were performed by A&L Eastern Laboratories, Inc. located at 7621 Whitepine Road in Richmond, Virginia. These analyses were performed at A&L Eastern Laboratories, Inc. since they are experienced in providing agricultural and environmental analysis. Recommendations for soil amendments in relation to these nutrient concentrations are provided in the A&L Soil Analysis Reports included in Appendix H.

The seven (7) sediment core samples (DP-1, DP-2, DP-3, DP-4, DP-5, DP-6, and DP-7) and two (2) quality control samples (equipment blank EQB-1 and field blank FB-1) were analyzed for the following chemical parameters by the listed method: Organochlorine Pesticides SW8081A, Organophosphorus Pesticides SW8141A, Chlorinated Herbicides SW8151A, Volatile organic compounds (VOC) SW8260B, Semi volatile organic compounds (SVOC) SW8270C, Polynuclear Aromatic Hydrocarbons (PAH) SW8270C, Metals SW6010B, 7471A, and 7871, Total petroleum hydrocarbons (TPH) SW0815B, Extractable organic halogens (EOX) SW9023, Total organic carbon (TOC) SW9060A, Nitrogen (TKN) EPA351.2, Sulfides SW9030B, pH SW9045C, Nitrate EPA 300.0, Ammonia SM4500-NH3F, TKN EPA351.2, Poly Chlorinated Biphenyls (PCB) SW8082, and Phosphorous, Alkalinity, Potassium as nutrients.

Where applicable, analytical method detection limits were based on the published Threshold Effects Level (TEL) for freshwater sediment as listed in the National Oceanic and Atmospheric Administration (NOAA) *Screening Quick Reference Tables* for inorganics in solids and organics, and as provided in F&R's Request for Clarification letters dated April 23, 2007 and May 9, 2007.

As stated in the *Proposed Sediment Sampling Protocol for the Pigg River Power Dam Removal* dated August 23, 2006, revised January 23, 2007, the analytical results for the detected constituents are compared against the NOAA Threshold Effects Level (TEL), Probable Effects Level (PEL), and Upper Effects Threshold (UET). In addition, the results

are also compared to the Environmental Protection Agency's (EPA) published Risk Based Concentrations (RBC) for Commercial/Industrial soils and the Virginia Department of Environmental Quality (DEQ) Voluntary Remediation Program (VRP TII) Tier II Screening Concentrations. In Tier II screening, contaminant concentrations from the site are compared to medium-specific values obtained from published sources such as the USEPA Region III Risk-Based Concentration Tables, the USEPA Soil Screening Guidance, federal Maximum Contaminant Levels (MCLs) or action levels established by the Safe Drinking Water Act and the National Primary Drinking Water Regulations. Tier II levels for soil are based on the assumption of residential exposure. These concentrations are not regulatory standards and are presented in this report for comparative purposes only.

The analytical results are presented below in Tables 2 through 4. Only the analytes detected above the respective level of detection (LOD) are listed in the Table. The constituents in bold face type exceeded either the TEL, PEL, UEL, RBC, or TII values. Copies of the AW&S Certificates of Analysis are included in Appendix I.

Table 2 - Analytical Results

All Metals

Sample ID	Constituent	Results mg/kg	TEL mg/kg	PEL mg/kg	UET mg/kg	RBC mg/kg	VRP TII mg/kg
DP1-S1A	Aluminum	13,200	NP	NP	NP	100,000	78,000
DP1-S1A	Barium	62.70	NP	NP	NP	20,000	16,000
DP1-S1A	**Cadmium**	**1.26**	**0.596**	3.53	3.00	50.00	39.00
DP1-S1A	Chromium	35.80	37.30	90.00	95.00	305.00	230.00
DP1-S1A	Cobalt	8.95	NP	NP	NP	2,050	1,600
DP1-S1A	Copper	10.90	35.70	19.70	86.00	4,100	3,100
DP1-S1A	Iron	14,200	NP	NP	NP	30,500	55,000
DP1-S1A	Lead	4.99	35.00	91.30	127.00	800.00	400.00
DP1-S1A	Manganese	124.00	NP	NP	1,100	2,050	1,600
DP1-S1A	Nickel	12.40	18.00	35.90	43.00	2,050	1,600
DP1-S1A	Vanadium	30.60	NP	NP	NP	100.00	78.00
DP1-S1A	Zinc	35.10	123.10	315.00	520.00	30,500	23,000
DP2-S1A	Aluminum	13,300	NP	NP	NP	100,000	78,000
DP2-S1A	Barium	54.60	NP	NP	NP	20,000	16,000
DP2-S1A	**Cadmium**	**1.03**	**0.596**	3.53	3.00	50.00	39.00
DP2-S1A	Chromium	37.00	37.30	90.00	95.00	305.00	230.00
DP2-S1A	Cobalt	8.93	NP	NP	NP	2,050	1,600
Sample ID	**Constituent**	**Results mg/kg**	**TEL mg/kg**	**PEL mg/kg**	**UET mg/kg**	**RBC mg/kg**	**VRP TII mg/kg**
DP2-S1A	Copper	9.27	35.70	19.70	86.00	4,100	3,100
DP2-S1A	Iron	16,100	NP	NP	NP	30,500	55,000

DP2-S1A	Lead	4.70	35.00	91.30	127.00	800.00	400.00
DP2-S1A	Manganese	161.00	NP	NP	1,100	2,050	1,600
DP2-S1A	Mercury	0.013	0.174	0.486	0.560	30.50	23.00
DP2-S1A	Nickel	12.40	18.00	35.90	43.00	2,050	1,600
DP2-S1A	Vanadium	32.30	NP	NP	NP	100.00	78.00
DP2-S1A	Zinc	34.20	123.10	315.00	520.00	30,500	23,000
DP3-S1A	Aluminum	11,800	NP	NP	NP	100,000	78,000
DP3-S1A	Barium	47.30	NP	NP	NP	20,000	16,000
DP3-S1A	**Cadmium**	**0.927**	**0.596**	3.53	3.00	50.00	39.00
DP3-S1A	Chromium	52.50	37.30	90.00	95.00	305.00	230.0
DP3-S1A	Cobalt	8.41	NP	NP	NP	2,050	1,600
DP3-S1A	Copper	8.66	35.70	19.70	86.00	4,100	3,100
DP3-S1A	Iron	14,800	NP	NP	NP	30,500	55,000
DP3-S1A	Lead	5.28	35.00	91.30	127.00	800.00	400.00
DP3-S1A	Manganese	119.00	NP	NP	1,100	2,050	1,600
DP3-S1A	Mercury	0.012	0.174	0.486	0.560	30.50	23.00
DP3-S1A	Nickel	11.50	18.00	35.90	43.00	2,050	1,600
DP3-S1A	Vanadium	32.60	NP	NP	NP	100.00	78.00
DP3-S1A	Zinc	31.60	123.10	315.00	520.00	30,500	23,000
DP4-S1A	Aluminum	18,400	NP	NP	NP	100,000	78,000
DP4-S1A	Barium	86.00	NP	NP	NP	20,000	16,000
DP4-S1A	**Cadmium**	**1.18**	**0.596**	3.53	3.00	50.0	39.0
DP4-S1A	**Chromium**	**45.20**	**37.30**	90.00	95.00	305.00	230.0
DP4-S1A	Cobalt	11.80	NP	NP	NP	2,050	1,600
DP4-S1A	Copper	14.50	35.70	19.70	86.00	4,100	3,100
DP4-S1A	Iron	19,100	NP	NP	NP	30,500	55,000
DP4-S1A	Lead	5.46	35.00	91.30	127.00	800.00	400.00
DP4-S1A	Manganese	182.00	NP	NP	1,100	2,050	1,600
DP4-S1A	Mercury	0.014	0.174	0.486	0.560	30.50	23.00
DP4-S1A	Nickel	15.60	18.00	35.90	43.00	2,050	1,600
DP4-S1A	Vanadium	37.80	NP	NP	NP	100.00	78.00
DP4-S1A	Zinc	49.30	123.10	315.00	520.00	30,500	23,000
DP5-S1A	Aluminum	9,050	NP	NP	NP	100,000	78,000
DP5-S1A	Barium	34.30	NP	NP	NP	20,000	16,000
DP5-S1A	**Cadmium**	**1.01**	**0.596**	3.53	3.00	50.0	39.0
DP5-S1A	**Chromium**	**48.30**	**37.30**	90.00	95.00	305.00	230.0
DP5-S1A	Cobalt	8.27	NP	NP	NP	2,050	1,600
Sample ID	**Constituent**	**Results mg/kg**	**TEL mg/kg**	**PEL mg/kg**	**UET mg/kg**	**RBC mg/kg**	**VRP TII mg/kg**
DP5-S1A	Copper	6.17	35.70	19.70	86.00	4,100	3,100
DP5-S1A	Iron	17,700	NP	NP	NP	30,500	55,000

DP5-S1A	Lead	14.20	35.00	91.30	127.00	800.00	400.00
DP5-S1A	Manganese	106.00	NP	NP	1,100	2,050	1,600
DP5-S1A	Nickel	9.19	18.00	35.90	43.00	2,050	1,600
DP5-S1A	Vanadium	39.70	NP	NP	NP	100.00	78.00
DP5-S1A	Zinc	23.20	123.10	315.00	520.00	30,500	23,000
DP6-S1A	Aluminum	7,300	NP	NP	NP	100,000	78,000
DP6-S1A	Barium	28.10	NP	NP	NP	20,000	16,000
DP6-S1A	**Cadmium**	**0.934**	**0.596**	3.53	3.00	50.00	39.00
DP6-S1A	**Chromium**	**64.00**	**37.30**	90.00	95.00	305.00	230.0
DP6-S1A	Cobalt	6.64	NP	NP	NP	2,050	1,600
DP6-S1A	Copper	4.80	35.70	19.70	86.00	4,100	3,100
DP6-S1A	Iron	16,200	NP	NP	NP	30,500	55,000
DP6-S1A	Lead	3.38	35.00	91.30	127.00	800.00	400.00
DP6-S1A	Manganese	89.80	NP	NP	1,100	2,050	1,600
DP6-S1A	Nickel	9.55	18.00	35.90	43.00	2,050	1,600
DP6-S1A	Vanadium	32.10	NP	NP	NP	100.00	78.00
DP6-S1A	Zinc	18.10	123.10	315.00	520.00	30,500	23,000
DP7-S1A	Aluminum	9,560	NP	NP	NP	100,000	78,000
DP7-S1A	Barium	26.90	NP	NP	NP	20,000	16,000
DP7-S1A	**Cadmium**	**1.22**	**0.596**	3.53	3.00	50.0	39.0
DP7-S1A	**Chromium**	**72.20**	**37.30**	90.00	95.00	305.00	230.0
DP7-S1A	Cobalt	13.60	NP	NP	NP	2,050	1,600
DP7-S1A	Copper	7.21	35.70	19.70	86.00	4,100	3,100
DP7-S1A	Iron	21,900	NP	NP	NP	30,500	55,000
DP7-S1A	Lead	4.14	35.00	91.30	127.00	800.00	400.00
DP7-S1A	Manganese	215.00	NP	NP	1,100	2,050	1,600
DP7-S1A	Nickel	10.10	18.00	35.90	43.00	2,050	1,600
DP7-S1A	Vanadium	57.40	NP	NP	NP	100.00	78.00
DP7-S1A	Zinc	25.90	123.10	315.00	520.00	30,500	23,000
FB1	Arsenic	0.007	5.90	17.00	17.00	1.90	4.30
FB1	Cadmium	0.007	0.596	3.53	3.00	50.0	39.0
FB1	Silver	0.002	NP	NP	4.50	500.00	390.00
FB1	Vanadium	0.005	NP	NP	NP	100.00	78.00
EQB1	Arsenic	0.006	5.90	17.00	17.00	1.90	4.30
EQB1	Cadmium	0.008	0.596	3.53	3.00	50.0	39.0
EQB1	Silver	0.009	NP	NP	4.50	500.00	390.00
EQB1	Vanadium	0.005	NP	NP	NP	100.00	78.00

Key: mg/kg: milligrams per kilogram
TEL: NOAA Threshold Effects Level
PEL: NOAA Probable Effect Level
UET: NOAA Upper Effects Threshold

RBC: EPA Risk-Based Concentration for Commercial/Industrial
VRP TII: DEQ Voluntary Remediation Program Tier II Screening Levels
NP: No Published Concentration

Table 3 - Analytical Results

Organophosphorus Pesticides, Total Petroleum Hydrocarbons (TPH), Volatile Organic Compounds (VOC), Chlorinated Herbicides, Poly Chlorinated Biphenyls (PCB), Organochlorine Pesticides, Polynuclear Aromatic Hydrocarbons (PAH), Extractable Organic Halides (EOX)

Sample ID	Constituent	Results mg/kg	TEL mg/kg	PEL mg/kg	UET mg/kg	RBC mg/kg	VRP TII mg/kg
DP1-S1A	None Detected						
DP2-S1A	None Detected						
DP3-S1A	None Detected						
DP4-S1A	Acetone*	0.114	NP	NP	NP	92,000	70,000
DP4-S1A	Methylene Chloride**	5.13	NP	NP	NP	380.00	850.00
DP4-S1A	TPH	17.7	NP	NP	NP	NP	NP
DP5-S1A	2,4-D	0.0236	NP	NP	NP	NP	NP
DP6-S1A	2,4-D	0.00257	NP	NP	NP	NP	NP
DP7-S1A	TPH	15.3	NP	NP	NP	NP	NP
FB1	None Detected						
EQB1	Acetone	0.0558	NP	NP	NP	92,000	70,000
EQB1	Benzoic Acid	0.0056	NP	NP	NP	NP	NP
EQB1	TOX	0.013	NP	NP	NP	NP	NP

Key: mg/kg: milligrams per kilogram
TEL: NOAA Threshold Effects Level
PEL: NOAA Probable Effect Level
UET: NOAA Upper Effects Threshold
RBC: EPA Risk-Based Concentration for Commercial/Industrial
VRP TII: DEQ Voluntary Remediation Program Tier II Screening Levels
NP: No Published Concentration
*: Detected in Equipment Blank
**: Attributed to Laboratory Cross-Contamination, see Data Package Case Narrative for explanation.

Table 4 - Analytical Results

% Ash, % Moisture, Ammonia, Nitrate, Organic Matter %, pH, Sulfide, Nitrogen (TKN), Total Organic Carbon (TOC), Phosphorous, Calcium (alkalinity), Potassium

Sample ID	Constituent	Results mg/kg
DP1-S1A	% Ash	97%
DP1-S1A	% Moisture	28.2%
DP1-S1A	% Organic Matter	2.6%
DP1-S1A	pH	6.4 SU
DP1-S1A	TKN	253 mg/kg
DP1-S1A	TOC	49,000 mg/kg
DP1-S1A	Phosphorous	30 ppm
DP1-S1A	Potassium	19 ppm
DP1-S1A	Calcium (Alkalinity)	360 ppm
DP2-S1A	% Ash	96%
DP2-S1A	% Moisture	29.8%
DP2-S1A	Ammonia	46 mg/kg
DP2-S1A	% Organic Matter	3.7%
DP2-S1A	pH	7.0 SU
DP2-S1A	TKN	264 mg/kg
DP2-S1A	TOC	32,000 mg/kg
DP2-S1A	Phosphorous	36 ppm
DP2-S1A	Potassium	26 ppm
DP2-S1A	Calcium (Alkalinity)	230 ppm
DP3-S1A	% Ash	98%
DP3-S1A	% Moisture	24.0%
DP3-S1A	% Organic Matter	1.6%
DP3-S1A	pH	6.6 SU
DP3-S1A	Sulfide	110 mg/kg
DP3-S1A	TKN	146 mg/kg
DP3-S1A	TOC	32,000 mg/kg
DP3-S1A	Phosphorous	31 ppm
DP3-S1A	Potassium	26 ppm
DP3-S1A	Calcium (Alkalinity)	250 ppm
DP4-S1A	% Ash	96%
DP4-S1A	% Moisture	39.4%
DP4-S1A	Ammonia	28 mg/kg
DP4-S1A	% Organic Matter	4.5%
DP4-S1A	pH	6.5 SU
DP4-S1A	TKN	436 mg/kg
Sample ID	**Constituent**	**Results mg/kg**
DP4-S1A	TOC	99,000 mg/kg

DP4-S1A	Phosphorous	45 ppm
DP4-S1A	Potassium	43 ppm
DP4-S1A	Calcium (Alkalinity)	400 ppm
DP5-S1A	% Ash	99%
DP5-S1A	% Moisture	22.7%
DP5-S1A	Ammonia	18 mg/kg
DP5-S1A	% Organic Matter	1.2%
DP5-S1A	pH	7.0 SU
DP5-S1A	TKN	33.1 mg/kg
DP5-S1A	TOC	21,000 mg/kg
DP5-S1A	Phosphorous	21 ppm
DP5-S1A	Potassium	18 ppm
DP5-S1A	Calcium (Alkalinity)	150 ppm
DP6-S1A	% Ash	99%
DP6-S1A	% Moisture	21.6%
DP6-S1A	% Organic Matter	1.1%
DP6-S1A	pH	6.5 SU
DP6-S1A	TKN	119 mg/kg
DP6-S1A	TOC	20,000 mg/kg
DP6-S1A	Phosphorous	15 ppm
DP6-S1A	Potassium	17 ppm
DP6-S1A	Calcium (Alkalinity)	220 ppm
DP7-S1A	% Ash	99%
DP7-S1A	% Moisture	17.8%
DP7-S1A	% Organic Matter	0.8%
DP7-S1A	pH	6.9 SU
DP7-S1A	TKN	123 mg/kg
DP7-S1A	TOC	19,000 mg/kg
DP7-S1A	Phosphorous	16 ppm
DP7-S1A	Potassium	18 ppm
DP7-S1A	Calcium (Alkalinity)	230 ppm
FB1	pH	5.1
EQB1	pH	5.1

Key: mg/kg: milligrams per kilogram
ppm: Parts per million
%: Percent

6.1 Sample Analysis Results - Physical Parameters Analysis

The laboratory that performed the physical characteristics analysis was F&R's Raleigh Soil Laboratory located at 310 Hubert Street in Raleigh, North Carolina. Grain size distribution analysis was performed at the F&R Roanoke, Virginia Soil Laboratory. The F&R's Soils Laboratories comply with the American Society for Testing and Materials (ASTM) standards for the applicable methods.

The samples were analyzed for the following physical parameters: moisture content, bulk density, dry density, specific gravity, porosity, void ratio, and coefficient of consolidation. A total of seven (7) sediment samples were recovered for analysis from the seven (7) pre-determined sample location data points. The physical analyses were performed as a mean of the entire sediment core. The samples were collected from the homogenization of the entire sediment core from each individual sample location. Copies of the Certificates of Analysis for the moisture content, bulk density, dry density, specific gravity, porosity, void ratio, and coefficient of consolidation analyses are included in Appendix J. Copies of the Certificates of Analysis for grain size distribution analyses are included in Appendix K.

Table 5 - Analytical Results

Moisture Content, Bulk Density, Dry Density, Specific Gravity, Porosity, Void Ration

Sample Number	Water Content (%)	Porosity	Specific Gravity	Void Ratio	Bulk Wet Density (pcf)	Bulk Dry Density (pcf)
DP1-S1B	53.5	0.601	2.6248	1.505	100.4	65.4
DP2-S1B	47.2	0.567	2.5304	1.307	100.8	68.4
DP3-S1B	70.5	0.670	2.6142	2.027	91.9	53.9
DP4-S1B	35.5	0.618	2.613	1.618	84.4	62.3
DP5-S1B	27.5	0.438	2.6884	0.780	120.2	94.3
DP6-S1B	18.4	0.402	2.6627	0.672	117.7	99.4
DP7-S1B	22.2	0.402	2.6904	0.671	122.7	100.4

Analytical results for the coefficient of consolidation analysis are presented as strain (%), void ratio, and height percent change in the Consolidation Test Results graphs and data tables included in Appendix J.

Three (3) transect cores were collected parallel to each of the seven (7) pre-determined sample data point locations. A total of twenty-one (21) transect cores were collected and analyzed for grain size distribution in general accordance with ASTM Method D-422. The grain size distribution results are presented below in Table 5 based upon size classification per ASTM Standard D2487-00.

Table 5 - Analytical Results

Grain Size Distribution

Sample Number	% Gravel	% Course Sand	% Medium Sand	% Fine Sand	% Silt
DP1T-RC	82	9.6	6.7	1.6	0.0
DP1T-RL	42.2	3.1	7.0	42.0	5.5
DP1T-RR	0.1	0.0	5.1	84.2	10.4
DP2T-RC	0.1	0.2	15.8	32.4	51.4
DP2T-RL	0.0	0.0	0.5	63.2	36.1
DP2T-RR	0.1	0.7	1.5	88.7	8.9
DP3T-RC	0.3	0.8	42.2	41.0	15.5
DP3T-RL	0.0	0.0	26.9	44.7	28.2
DP3T-RR	0.3	0.2	0.4	47.8	51.0
DP4T-RC	1.2	3.7	23.8	65.2	5.9
DP4T-RL	0.7	4.4	19.5	61.9	13.4
DP4T-RR	0.8	3.1	21.0	64.9	10.4
DP5T-RC	0.2	0.9	32.1	65.5	1.1
DP5T-RL	0.0	0.0	12.2	81.5	6.1
DP5T-RR	0.0	13.1	57.6	21.2	8.1
DP6T-RC	3.5	5.2	40	49.5	1.9
DP6T-RL	3.6	4.5	15.5	66.8	9.5
DP6T-RR	1.3	1.0	18.2	76.1	3.1
DP7T-RC	12.2	8.0	38.5	38.9	2.3
DP7T-RL	0.7	0.8	14.4	59.2	24.9
DP7T-RR	1.6	8.2	32.4	53.7	4.0

7.0 Sediment Depth Estimates

In order to help gauge the depth of the sediment, a half-inch (1/2) diameter graduated steel slide-hammer driven probe rod was advanced to resistance/refusal (when either hard substrate was detected or the probe would not go further when hammered) at each of the 21 transect locations. Bar graphs representing the depth at which refusal was encountered during the conduct of the probes is included in Appendix L. The depths at which refusal was encountered and the measured width of the river at each transect location are presented below in Table 6.

Table 6 – Soil Probe Results

Transect Number	River Width (measured to MHW in feet)	Depth to Resistance/Refusal (feet)
DP1T-RC	68.0	0.0
DP1T-RL	68.0	0.4
DP1T-RR	68.0	0.8
DP2T-RC	101.0	16.4
DP2T-RL	101.0	19.8
DP2T-RR	101.0	15.3
DP3T-RC	106.0	8.0
DP3T-RL	106.0	7.9
DP3T-RR	106.0	16.0
DP4T-RC	69.0	14.0
DP4T-RL	69.0	10.0
DP4T-RR	69.0	11.0
DP5T-RC	69.0	6.8
DP5T-RL	69.0	8.6
DP5T-RR	69.0	7.0
DP6T-RC	64.0	8.1
DP6T-RL	64.0	7.9
DP6T-RR	64.0	8.3
DP7T-RC	56.0	8.4
DP7T-RL	56.0	9.7
DP7T-RR	56.0	5.3

7.1 Sediment Quantity Estimates

The results of the sediment depth probes were used to calculate sediment volumes. This was accomplished by calculating the mean depth along an individual transect, multiplied by the width (i.e. DP-2: 16.4' + 19.8' + 15.3' = 51.5' / 3 = 17.2' mean depth x 101' width = 1,737.2 ft^2). The width measurement used is the distance F&R measured between the two stakes placed on the assumed mean high water mark (MHW) of each river bank. The calculation gives the estimated square footage of sediment at a given transect point. Next, the square footage of the data point upstream was calculated and the two were added together to give an average area in square feet of sediment between the two transects (ie. 1,737.2 ft^2 at DP-2 + 1,123.6 ft^2 at DP-3 = 2,860.8 / 2 = 1,430.4 ft^2. Then, the resulting number for the calculation of the average area of sediment between the two transects was multiplied by the distance between the two points to give an average volume in cubic feet of sediment between the two data points (DP-2 to DP-3 = 1,107 ft x 1,430.4 ft^2 = 1,583,452.8 ft^3). The resulting volume measurement in cubic feet was then divided by the number of cubic feet in a cubic yard to convert the estimate to cubic yards (1,583,452.8 ft^3 / 27 ft^3/Yds^3 = 58,646.4 Yds^3).

Since the dam face could not safely be accessed for measurements, F&R assumed an average depth of 20 feet and a width of 200 feet.

The estimated total volume of sediment F&R has calculated between the dam and data point DP-6 at the assumed head of the pool is: 326,727.8 Yds^3.

It should be noted that these estimates are based on F&R's field measurements and estimated depths and widths. The probe was driven to resistance and the depth at which resistance was encountered was assumed to be river bottom/original stratum. However, these depths may not portray actual pre-dam river bottom and based on our observations at DP-7 (outside of the pool) and at the Rocky Mount sanitary sewer pump station approximately ½ mile upstream of DP-7, the river has a deep sediment layer outside of the pool. Furthermore, based on observations of the river banks between the dam and DP-4, the original river banks have been covered by alluvial terrace deposits which obscure the original bank configuration.

8.0 Limitations

This report has been prepared for the exclusive use of the FishAmerica Foundation or their agents. This report has been prepared in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made. Our conclusions and recommendations are based, in part, upon information provided to us by others and our site observations. We have not verified the completeness or accuracy of the information provided by others.

Our observations and recommendations are based upon conditions readily visible at the site at the time of our site visit, analytical tests and upon current accepted industry standards. F&R's scope of services is limited to the services outlined in our original proposal, subsequent addendum and QA/QC Plan for performing this assessment.

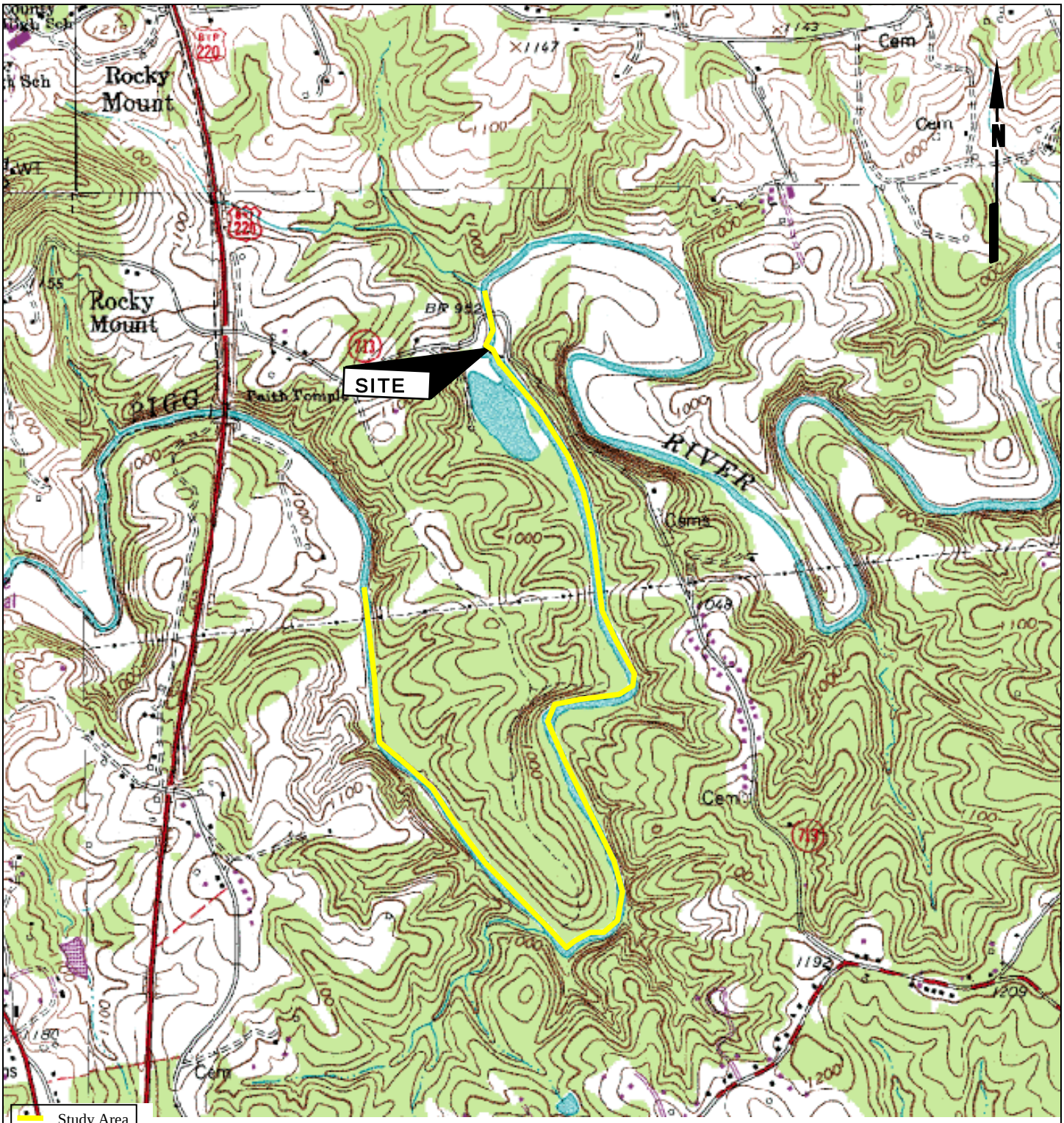
The data provided in this study is only indicative of conditions sampled at the immediate location at the time of the study. Professional services and scientific analyses have been performed with customary principles in the fields of engineering and analytical science. This warranty is in lieu of all other warranties expressed or implied. The work performed in conjunction with this assessment and the data developed is intended as a description of available information at the dates and locations given. This report does not warrant against future operations or conditions nor does it warrant against extant or future conditions of a type or at a location not investigated.

F&R, by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the site or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the site that may

present a potential danger to public health, safety or the environment. In areas that require notification of local, state or federal agencies as required by law, it is the client's responsibility to so notify. Under this scope of services, F&R assumes no responsibility regarding any response actions or additional studies which may be required as a result of these findings. Response actions are the sole responsibility of the Client and should be conducted in accordance with local, state and/or federal requirements and should be performed by appropriate trained and qualified personnel as warranted.

Appendix A

Site Maps



Note: Adapted from the USGS 7.5 minute series topographic map: Gladehill, VA, Quadrangle, 1985

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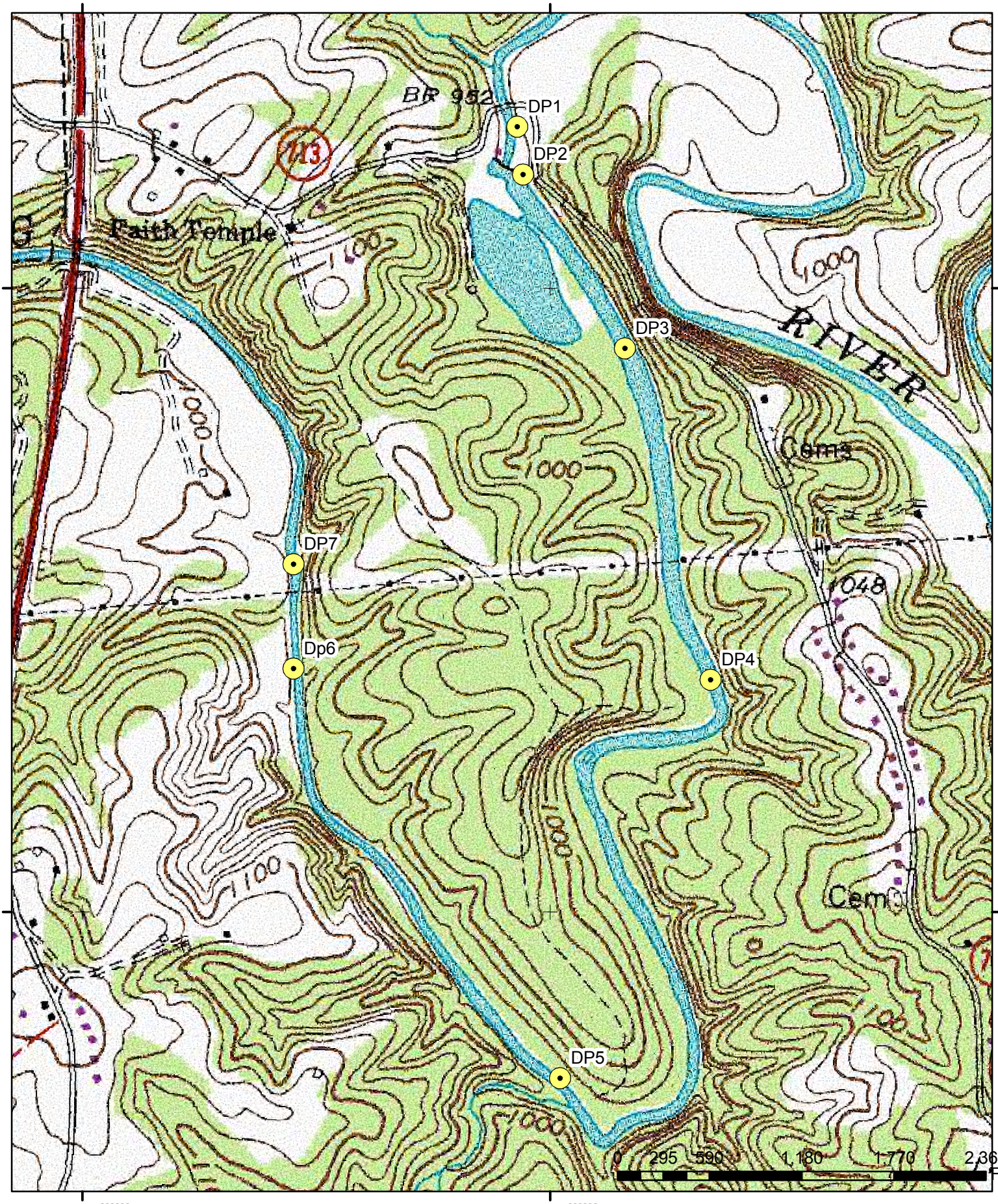
DATE: October 2007	
SCALE: 1:50,000	
DRAWN: NDM	J62-110E

Fish America Foundation
Sediment Sampling and Analysis – Pigg River Dam
Franklin County, Virginia

SITE VICINITY MAP

DRAWING NO. 1



Bore Holes and Topo

NAD 1983 StatePlane Virginia South FIPS 4502 (Feet)

N

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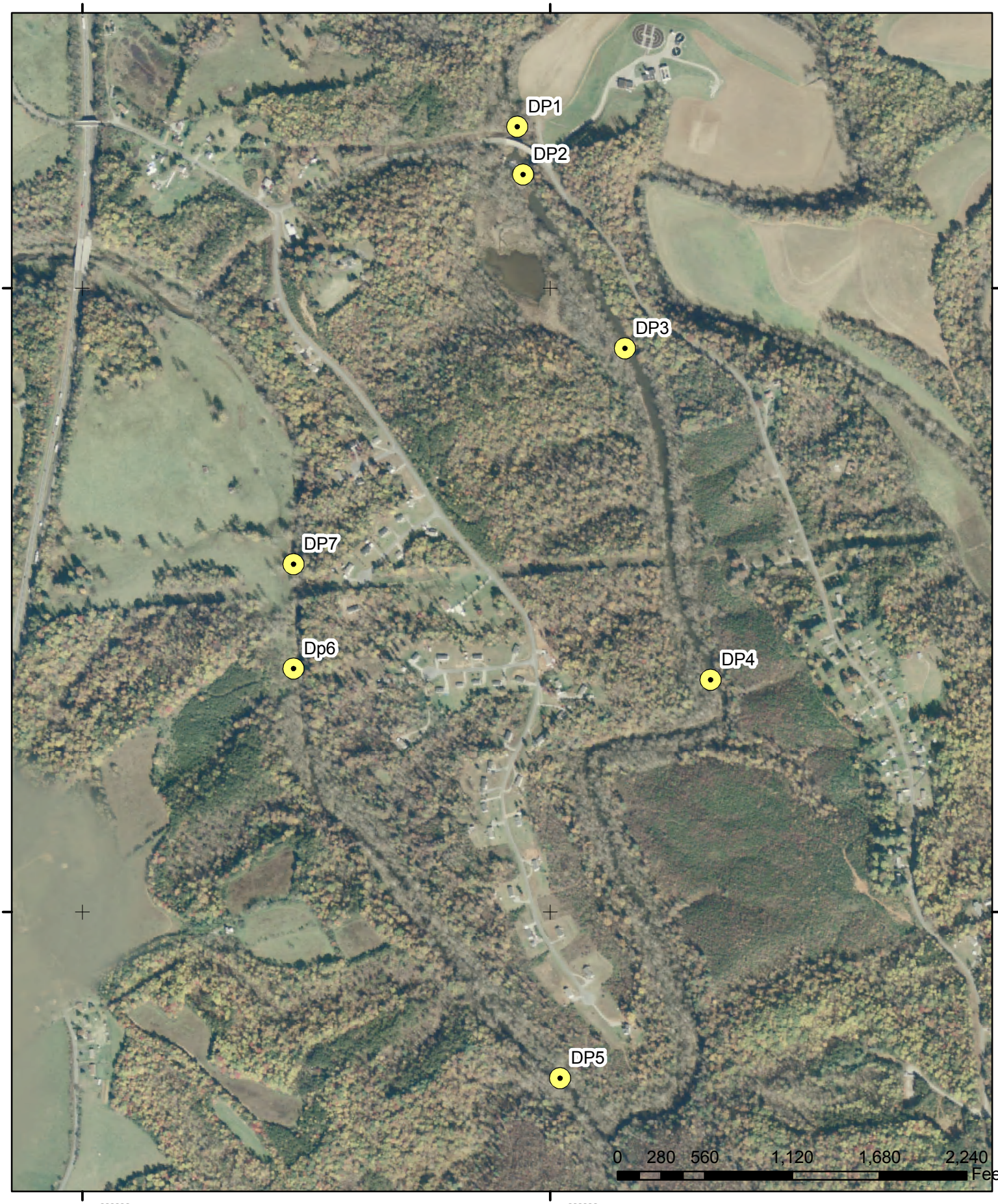
Client:	Fish America Foundation
Project:	Sediment Sampling and Analysis – Pigg River Dam
Location	Franklin County, VA
F&R Project No.:	J62-110E
Data:	USGS 1:24K Topographic Map
Date:	Sep 11, 2007 Scale: 1:9,600 1 inch equals 800 feet Figure 2



Bore Holes and Aerial

NAD 1983 StatePlane Virginia South FIPS 4502 (Feet)

N

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Client:	Fish America Foundation
Project:	Sediment Sampling and Analysis – Pigg River Dam
Location	Franklin County, VA
F&R Project No.:	J62-110E
Data:	2006 NRCS Aerial Photography
Date:	Sep 11, 2007 Scale: 1:9,600 1 inch equals 800 feet Figure 1

Appendix B

Photographs

Data Points

Photo 1. Data Point 1

Photo 2. Data Point 1

Photo 3. Data Point 2

Photo 4. Data Point 3

Data Points

Photo 5. Data Point 4

Photo 6. Data Point 5

Photo 7. Data Point 6

Photo 8. Data Point 7

Misc. Photos

Photo 9. Upstream view of dam

Photo 10. Sediment load at DP 2

Photo 11. Sediment Load at DP2, River Center

Photo 12. DP2, Debris

Misc. Photos

Photo 14. Deposition Load above DP2

Photo 15. Debris below DP3

Photo 16. Debris above DP4,

Photo 17. Sediment load above DP4

Misc. Photos

Photo 18. Deposition Load above DP4

Photo 19. Deposition Load above DP4

Photo 20. Deposition Load above DP4

Photo 21. Rock Ledge above DP4

Misc. Photos

Photo 22. Deposition Load below DP5

Photo 23. Rock Ledge below DP5

Photo 24. Debris at DP6

Photo 25. Debris above DP6

Appendix C

DEQ QA/QC Plan Approval Letter

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
West Central Regional Office
3019 Peters Creek Road, Roanoke, Virginia 24019
Telephone (540) 562-6700, Fax (540) 562-6725
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Steven A. Dietrich
Regional Director

August 14, 2007

Ms. Johanna Laderman, Executive Director
FishAmerica Foundation
225 Reinekers Lane, Suite 420
Alexandria, Virginia 22314

RE: Sediment Sampling and Analysis Study
Pigg River Power Dam, Franklin County, Virginia
Quality Assurance/Quality Control Plan Acceptance

Dear Ms. Laderman:

The Department of Environmental Quality (DEQ) received a document entitled "Quality Assurance/ Quality Control Plan, Sediment Sampling and Analysis Study, Pigg River Power Dam," with a revision date of August 13, 2007. This document along with the document entitled "Proposed Sediment Sampling Protocol for the Pigg River (Power) Dam Removal, Rocky Mount, Virginia," with a revision date of January 23, 2007, constitute guidance documents for the collection, handling, and analysis of sediment samples for the Pigg River Power Dam project.

The purpose of the study is to characterize the chemical and physical attributes of sediment located in the Pigg River upstream of the dam to provide information listed in the Virginia Water Protection Permit (VWPP) Regulation, 9 VAC 25-210-80.B.1.h, and which may be used to support an application for a VWPP to dredge sediments and remove the dam. The two referenced documents are accepted by DEQ as suitable guidance for implementing the sediment characterization study.

If you have any questions about this letter, please contact me by telephone at (540) 562-6785, or by e-mail at jaroberts@deq.virginia.gov.

Sincerely,

Jay Roberts
VWPP Project Manager

cc: Tom Inge, VA Racer
Gregg Whitt, Froehling and Robertson, Inc.
David Byrd, Gloucester Field Office, U.S. Fish and Wildlife Service
Aziz Farahmand, Waste Program Environmental Manager, DEQ-WCRO
Thom Leedom, Blue Ridge Field Office, USACE

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Appendix D

Boring Logs for Core Samples Collected for Chemical Parameters Analyses

BORING LOG

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP1-S1A (1 of 1)** Total Depth **1.7'** Elev: **950** Location: **DP1**

Type of Boring: **Sample** Started: **8/15/07** Completed: **8/15/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/1 Munsell) Sandy silt with organics and gravel				Core compressed to length of 0.7 feet Water depth to sediment 0.6 feet Advanced 3 X due to low recovery Appearance same in all
948.3	1.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

BORING J:\J62-110E.GPJ F&R.GDT 10/9/07

BORING LOG

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP2-S1A (1 of 1)** Total Depth **9.2'** Elev: **970** Location: **DP2**

Type of Boring: **Sample** Started: **8/15/07** Completed: **8/15/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
969.7	0.3	Brown (7.5 YR 3/2 to 3/3 Munsell) Sandy silt with heavy organics 0 feet to .3 feet				Core compressed to length of 1.9 feet
		Silty sand with organic matter				Core duplicated 1X due to low recovery with appearance same in both
968.7	1.3	Fine silty sand with mica 1.3 feet to 1.9 feet				
968.1	1.9	Silty sand with organic matter				
960.8	9.2	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance. N.

BORING J62-110E.GPJ F&R.GDT 10/9/07

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP3-S1A (1 of 1)** Total Depth **7.9'** Elev: **972** Location: **DP3**

Type of Boring: **Sample** Started: **8/15/07** Completed: **8/15/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/3 Munsell) Silty sand with organic matter Organic matter observed throughout - 0 feet to .3 feet (sand) - .3 feet to .8 feet (silt)				Core compressed to length of 0.8 feet Water depth to sediment 4.9 feet Advanced 3 X due to low recovery
964.1	7.9	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP4-S1A (1 of 1)** Total Depth **7.9'** Elev: **974** Location: **DP4**

Type of Boring: **Sample** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Sandy silt				Core compressed to length of 1.5 Water depth to sediment 4.8 feet Advanced 2 X due to low recovery
966.1	7.9	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP5-S1A (1 of 1)** Total Depth **8.6'** Elev: **976** Location: **DP5**

Type of Boring: **Sample** Started: **8/9/07** Completed: **8/9/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Silty sand With Mica				Core compressed to length of 3.3 feet Water to sediment depth 2.3 feet
967.4	8.6	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

BORING LOG

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP6-S1A (1 of 1)** Total Depth **7.9'** Elev: **978** Location: **DP6**

Type of Boring: **Sample** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Silty sand Semi-course to fine sand throughout				Core compressed to length of 1.9 feet Water depth to sediment 2.0 feet
970.1	7.9	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

BORING LOG

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP7-S1A (1 of 1)** Total Depth **7.7'** Elev: **979** Location: **DP7**

Type of Boring: **Sample** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2) Munsell Silty sand Coarse sand				Core compressed to depth of 1.9 feet Water depth to sediment 0.7 feet
971.3	7.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

BORIN G:\J62-110E.GPJ F&R.GDT 10/9/07

Appendix E

Boring Logs for Core Samples Collected for Physical Parameters Analyses

BORING LOG

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP1T-RC(1 of 1)** Total Depth **0.2'** Elev: **950** Location: **DP1**

Type of Boring: **Transect** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
949.8	0.2	Brown (7.5 YR 3/1) Munsell - sediment) Tan brown, gravel and sand and coarse sand with little silt Refusal				No core recovery, collected sample at surface to -0.2 feet Water depth to sediment 1.8 feet

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP1T-RL(1 of 1)** Total Depth **0.4'** Elev: **950** Location: **DP1**

Type of Boring: **Transect** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/1 Munsell - Sediment)				Core length of .4 feet
949.6	0.4	Tan brown, gravel and sand				
		Refusal				Water depth to sediment .2 feet Advanced 3 X due to low recovery

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP1T-RR(1 of 1)** Total Depth **1.7'** Elev: **950** Location: **DP1**

Type of Boring: **Transect** Started: **8/16/07** Completed: **8/16/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/1 Munsell) Sandy silt with organics and gravel				Core compressed to length of 0.8 feet Water depth to sediment 0.6 feet Advanced 3 X due to low recovery
948.3	1.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP2T-RC(1 of 1)** Total Depth **7.9'** Elev: **970** Location: **DP2**

Type of Boring: **Transect** Started: **8/7/07** Completed: **8/7/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Grey/Brown (7.5 YR 4/2 Munsell) Sand with Mica Silty sand with organic matter -Organic matter observed at .5 feet and 2.9 feet				Core compressed to length of 2.9 feet. Water depth to sediment 1.4 feet
962.1	7.9	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP2T-RL(1 of 1)** Total Depth **7.7'** Elev: **970** Location: **DP2**

Type of Boring: **Transect** Started: **8/7/07** Completed: **8/7/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Tan/Brown (7.5 YR 3/2 Munsell) Silty sand with organic matter				Core compressed to length of 3.3 feet Water depth to sediment 1.8 feet
		- Organic matter observed in core at 1.1 feet (wood)				
		- Organic matter observed in core at 2.7 feet (leaves and sticks)				
962.3	7.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP2T-RR(1 of 1)** Total Depth **9.8'** Elev: **970** Location: **DP2**

Type of Boring: **Transect** Started: **8/7/07** Completed: **8/7/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Tan/Brown (7.5 YR 3/1 Munsell) Silt with Mica				Core compressed to length of 3.8 feet Water depth to sediment 1.3 feet
		- Organic matter observed in core at 3.4 to 3.5 feet (leaves and sticks)				
960.2	9.8	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP3T-RC(1 of 1)** Total Depth **8.6'** Elev: **972** Location: **DP3**

Type of Boring: **Transect** Started: **8/8/07** Completed: **8/8/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown/ (7.5 YR 3/3 Munsell) Silty sand with organic matter Organic matter observed throughout - 0 feet to .3 feet (sand), - .3 feet to 1.6 feet (silt)				Core compressed to length of 1.6 feet Water depth to sediment 4.5 feet
963.4	8.6	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP3T-RL(1 of 1)** Total Depth **6.7'** Elev: **972** Location: **DP3**

Type of Boring: **Transect** Started: **8/7/07** Completed: **8/7/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Tan/Brown (7.5 YR 3.3 Munsell) Sand with silt and mica Organics throughout - Organic matter on initial 2 inches not recovered, - 0 feet to .3 feet (leaves), - 1.7 feet to 2 feet (leaves)				Core compressed to length of 2 feet Water depth to sediment 6.7 feet
965.3	6.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP3T-RR(1 of 1)** Total Depth **7.7'** Elev: **972** Location: **DP3**

Type of Boring: **Transect** Started: **8/8/07** Completed: **8/8/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/4 Munsell) Silty sand with organic matter				Core compressed to total length of 2.6 feet Water depth to sediment 0.8 feet
964.3	7.7	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP4T-RC(1 of 1)** Total Depth **7.3'** Elev: **974** Location: **DP4**

Type of Boring: **Transect** Started: **8/8/07** Completed: **8/8/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Fine Silt				Core compressed to length of 1.7 feet
973.3	0.7	- .7 feet to 1.5 feet (course sand)				
972.5	1.5	Silt with coarse sand - 1.5 feet to refusal, debris and organics				Water depth to sediment 4.8 feet
966.7	7.3	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP4T-RL(1 of 1)** Total Depth **6.2'** Elev: **974** Location: **DP4**

Type of Boring: **Transect** Started: **8/8/07** Completed: **8/8/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell)				Core compressed to length of 1.5 feet
973.6	0.4	Silt with coarse sand (organics)				
973.3	0.7	.4 feet to .7 feet leaves (organics)				
		.7 feet to 1.5 feet fine silt (organics)				Water depth to sediment 3.0 feet
972.5	1.5	Silt with coarse sand				
967.8	6.2	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP4T-RR(1 of 1)** Total Depth **7.5'** Elev: **974** Location: **DP4**

Type of Boring: **Transect** Started: **8/8/07** Completed: **8/8/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) 0 feet to .4 feet fine silt (organics) .4 feet to 1.0 feet fine silt (organics)				Core compressed to length of 1.0 feet
973.0	1.0	Sandy silt Organics throughout				Water depth to sediment 1.2 feet
966.5	7.5	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP5T-RC(1 of 1)** Total Depth **6.6'** Elev: **976** Location: **DP5**

Type of Boring: **Transect** Started: **8/9/07** Completed: **8/9/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Dark Brown (7.5 YR 3/2- 0 inches to 1.6 feet Munsell) Brown (7.5 YR 3/3 1.6 feet to 1.8 feet Munsell) Silty sand - No organics				Core compressed to length of 1.8 feet Water to sediment depth 1.3 feet
969.4	6.6	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP5T-RL(1 of 1)** Total Depth **5.1'** Elev: **976** Location: **DP5**

Type of Boring: **Transect** Started: **8/9/07** Completed: **8/9/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
975.7	0.3	Brown (7.5 YR 3/3 Munsell) 0 feet to .3 feet organics Silty sand Medium sand throughout Silty sand				Compressed core to length of 1.2 feet Water depth to sediment 1.4 feet
970.9	5.1	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP5T-RR(1 of 1)** Total Depth **4.1'** Elev: **976** Location: **DP5**

Type of Boring: **Transect** Started: **8/9/07** Completed: **8/9/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/4 Munsell) Silty sand 0-1.6 feet (fine silt)				Core compressed to length of 3.8 feet Water depth to sediment 3.7 feet
974.4	1.6	1.6 feet to 3.3 feet (course sand) - No organics throughout				
972.7	3.3	3.3 feet to 3.8 feet (fine silt)				
972.2	3.8	Silty sand				
971.9	4.1	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP6T-RC(1 of 1)** Total Depth **3.5'** Elev: **978** Location: **DP6**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Silty sand Semi-course sand throughout				Core compressed to lenght of 0.4 feet Water depth to sediment 1.4 feet
974.5	3.5	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP6T-RL(1 of 1)** Total Depth **3.4'** Elev: **978** Location: **DP6**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Silty sand - Semi-course sand with organics .25 feet to .5 feet				Core compressed to length of 0.7 feet Water depth to sediment 1.3 feet
974.6	3.4	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP6T-RR(1 of 1)** Total Depth **3.5'** Elev: **978** Location: **DP6**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/2 Munsell) Silty sand Fine silt throughout				Core compressed to length of 0.5 feet Water depth to sediment 1.2 feet
974.5	3.5	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP7T-RC(1 of 1)** Total Depth **4.6'** Elev: **979** Location: **DP7**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Brown (7.5 YR 3/3 Munsell) Silty sand Organics observed throughout				Core compressed to length of 0..6 feet Water depth to sediment 0.7 feet
974.4	4.6	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP7T-RL(1 of 1)** Total Depth **4.8'** Elev: **979** Location: **DP7**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Light Brown (7.5 YR 3/4 Munsell) Silty sand Course sand throughout				Core compressed to depth of 0.9 feet Water depth to sediment 0.0 feet
974.2	4.8	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Report No.: **J62-110E** Date: **October 2007**

Client: **Fish America Foundation**

Project: **Pigg River Power Dam, Franklin County**

Boring No.: **DP7T-RR(1 of 1)** Total Depth **4.1'** Elev: **979** Location: **DP7**

Type of Boring: **Transect** Started: **8/10/07** Completed: **8/10/07** Driller: **GW/RR**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (feet)	PID (ppm)	REMARKS
		Light Brown (7.5 YR 3/4 Munsell) Silty sand Fine sand with moderate organics				Core compressed to length of 0..7 feet Water depth to sediment 2.3 feet
974.9	4.1	Refusal				

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

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Appendix F

Chain of Custody Forms

AIR WATER SOIL LABORATORIES, INC.
RICHMOND, VIRGINIA 23230
(8 :58-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

CLIENT NAME:	Froehling & Robertson, Inc.	PROJECT NAME:	Sediment Sampling
CLIENT CONTACT:	Gregory Whitt	SITE NAME:	Pigg River
CLIENT ADDRESS:	1734 Seibel Dr. NE Roanoke, VA 24012	PROJECT NUMBER:	J62 - 110E
CLIENT PHONE NUMBER:	(540) 344-7939	P.O. NUMBER:	
CLIENT FAX NUMBER:	(540) 344-3657	REGULATORY AUTHORITY:	DEQ

Is sample for compliance reporting? YES (NO) | Is sample from a chlorinated supply? YES (NO) | PWS I.D. #:

SAMPLER NAME (PRINT): Greg Whitt / Ross Robertson SAMPLER SIGNATURE: [signature] | Turn Around Time: 10 Day(s)

Have ammonia and TKN samples been verified to be dechlorinated at the time of sampling?: YES NO

CLIENT SAMPLE I.D.	Composite Start Date	Composite Start Time	Grab or Composite Stop Date	Grab or Composite Stop Time	Number of Containers	Grab	Composite	Field Filtered (Dissolved Metals)	MATRIX: Ground Water / Surface Water	Waste Water / Storm Water	Drinking Water	Soil	Solids / Sediment	Other QC Blank = water	ANALYSIS: SVOC-8270	Nitrate (300.0)	TKN	% Moisture	Organic Matter	Ammonia (SM 4500-NH3F)	Sulfide	COMMENTS: Quote ID QT07041801; Report Results on a dry weight basis; See list of TEL requirements; PLEASE NOTE PUMP RATE (L/min)
1) EQB-1	8-15-07	08:45	8-15-07	09:00	23		✓							✓	✓	✓	✓	✓	✓	✓	✓	Equipment Blank
2) DP1-S1A		9:46		10:00	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
3) DP2-S1A		11:15		12:46	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
4) DP3--S1A		2:56		3:06	3		✓						✓		✓	✓	✓	✓	✓	✓	✓	
5) DP4-S1A		3:00		4:00	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
6)																						
7)																						
8)																						
9)																						
10)																						

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	8/15 5:00	[signature]	8/16/07 1200
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package: Level I ☐ Level II X Level III ☐ Level IV ☐

LAB USE ONLY

COOLER TEMP _____ °C

F&R-Roanoke 07080240
Pigg River
DUE: 10 Days
Recd: 08/16/07

Sampling b

AIR WATER SOIL LABORATORIES, INC.

2109A NORT' HAMILTON STREET
RICHI .D, VIRGINIA 23230
(804) 358-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

CLIENT NAME:	Froehling & Robertson, Inc.	PROJECT NAME:	Sediment Sampling
CLIENT CONTACT:	Gregory Whitt	SITE NAME:	Pigg River
CLIENT ADDRESS:	1734 Seibel Dr. NE Roanoke, VA 24012	PROJECT NUMBER:	562 – 110E
CLIENT PHONE NUMBER:	(540) 344-7939	P.O. NUMBER:	
CLIENT FAX NUMBER:	(540) 344-3657	REGULATORY AUTHORITY:	DEQ

Is sample for compliance reporting? YES (NO) | Is sample from a chlorinated supply? YES (NO) | PWS I.D. #:

SAMPLER NAME (PRINT): Greg Whitt / Ross Robertson SAMPLER SIGNATURE: | Turn Around Time: 10 Day(s)

Have ammonia and TKN samples been verified to be dechlorinated at the time of sampling?: YES NO

CLIENT SAMPLE I.D.	Composite Start Date	Composite Start Time	Grab or Composite Stop Date	Grab or Composite Stop Time	Number of Containers	Grab	Composite	Field Filtered (Dissolved Metals)	MATRIX: Ground Water / Surface Water	Waste Water / Storm Water	Drinking Water	Soil	Solids / Sediment	Other Field blank (water)	ANALYSIS: SVOC-8270	Nitrate (300.0)	TKN	% Moisture	Organic Matter	Ammonia (SM 4500-NH3F)	Sulfide	COMMENTS: Quote ID QT07041801; Report Results on a dry weight basis; See list of TEL requirements; PLEASE NOTE PUMP RATE (L/min)
1) FB1	8-16-07	8:15	8-16-07	8:30	23	✓								✓	✓	✓	✓		✓	✓	✓	
2) DP5-S1A	↓	10:30	↓	11:25	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
3) DP6-S1A	↓	14:00	↓	14:15	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
4) DP7-S1A	↓	14:45	↓	15:10	1		✓						✓		✓	✓	✓	✓	✓	✓	✓	
5)																						
6)																						
7)																						
8)																						
9)																						
10)																						

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	8-16-07 17:00	[signature]	8/17/07 10:30
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package: Level I ☐ Level II X Level III ☐ Level IV ☐

LAB USE ONLY COOLER TEMP ____ °C

F&R-Roanoke 07080253
Pigg River
DUE: 10 Days
Recd: 08/17/07

SOIL SAMPLE SUBMITT. L FORM

A&L Eastern Laboratories, Inc.
7621 Whitepine Road Richmond VA 23237 Tel: 804-743-9401 Fax: 804-271-6446
Email: office@al-labs-eastern.com Website: www.al-labs-eastern.com

Account #

Grower Information	Customer Information	
	Submitted By	Charge To
	Greg Whitt	Froehling & Robertson, Inc.
	Froehling & Robertson, Inc.	1734 Seibel Dr. NE
Field ID / Farm ID	Copy to: ___Grower ✓Submitter	Roanoke, Va. 24012

Fill in This Section if Recommendations are needed

Sample ID	Lab Number (Lab Use Only)	S1	S2	S3	S23	S5	S6	SA1	SA10	Texture	Individual Elements (mark chemical symbols)	Crop to be Grown	Yield Goal	Previous Crop yield	Crop Yield	Sample Depth	Check if irrigated
DP1-S1A		✓									P, K, alkalinity	grass /			-		__ Drip __ Sprinkler
DP2-S1A		✓									↓	cover			-		__ Drip __ Sprinkler
DP3-S1A		✓									↓	crop			-		__ Drip __ Sprinkler
DP4-S1A		✓									↓	↓			-		__ Drip __ Sprinkler
DP5-S1A		✓									↓	↓			-		__ Drip __ Sprinkler
DP6-S1A		✓									↓	↓			-		__ Drip __ Sprinkler
DP7-S1A		✓									↓	↓			-		__ Drip __ Sprinkler
															-		__ Drip __ Sprinkler
															-		__ Drip __ Sprinkler
															-		__ Drip __ Sprinkler

Mehich III Test Packages:(For VA, PA, NY, MD nutrient management programs)

S1 - Organic matter, estimated nitrogen release, phosphorus, potassium, magnesium, ~~7.~~ 900 calcium, pH buffer pH, hydrogen, cation exchange capacity, and % base saturation.
S2 - Test S1 plus Soluble Salts and Sodium
S3 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), manganese(Mn), copper(Cu), and iron(Fe).
S23(complete test) -Test S3 plus Soluble Salts and Sodium
S5 - Test S1 plus Sulfur(S) and zinc(Zn)
S6 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), and manganese(Mn)

Soil Test Packages using Ammonium Acetate and Bray P

SA1 - Organic matter, estimated nitrogen release, phosphorus(P1,P2),potassium, magnesiu calcium, pH buffer pH,hydrogen, cation exchange capacity, and % base saturation
SA10 - Same as S1A without P2 phosphorus.
SA2 - SA1 plus soluble salts and sodium.
SA3 - Sulfur, boron, zinc, manganese, copper, and iron
SA5 - Sulfur and zinc
SA6 - Sulfur, boron, zinc and manganese.

Special Instructions or Remarks:

Samples are alluvial sediments that will be placed in uplands with a cover crop to control erosion.

Released: [signature] 8-22-03
14:25

SINCE F&R 1881

CHAIN OF CUSTODY RECORD

Please Print CLIENT: F&R C2
ADDR:
ATTN: Greg White
PHONE/FAX:

FROEHLING & ROBERTSON, INC.
30[illegible] Gambarton Rd.
RICHMOND, VIRGINIA 23228
TEL: (804) 264-2701
FAX: (804) 264-0782

Terms and Conditions: This Agreement shall be subject to all of the terms and conditions set forth on the reverse side hereof, which terms and conditions are expressly made a part of this Agreement and any reports issued by F&R pursuant to this Agreement.

LAB PROJECT #:
PROJECT NAME/NUMBER - Please Print: J62-1102 Pop River Sediment Coring & Analysis
SAMPLED BY - Please Print: Greg White / Rose Robertson

LAB I.D.	DATE SAMPLED	TIME SAMPLED	GRAB	COMP	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE MATRIX	Coefficient of Consolidation	Bulk Density lb/cf3	Dry Density lb/cf3	Specific Gravity (Grain Size)	Porosity	Void Ratio						
	8/6/07	14:45	✓		DP1 - S1B	1	sediment	✓	-	✓	✓	✓							
	8/1/07	10:20	✓		DP2 - S1B	1	↓	✓	-	✓	✓	✓							
	8/1/07	11:20	✓		DP3 - S1B	1	↓	✓		✓	✓	✓							
	8/1/07	16:05	✓		DP4 - S1B	1	↓	✓	-	✓	✓	✓							
	8/1/07	12:45	✓		DP5 - S1B	1	↓	✓	-	✓	✓	✓							
	8/1/07	12:40	✓		DP6 - S1B	1	↓	✓	-	✓	✓	✓	✓						
	8/1/07	13:45	✓		DP7 - S1B	1	↓	✓	-	✓	✓	✓	✓						
pH @ lab receipt																			

REQUESTED TEST PARAMETERS - Please Print

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	[illegible]	1500			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA: UPS DATE: [illegible]

COMMENTS: Please Print
Coefficient of Consolidation tests: 150 - 300 - 450
Samples very between silt, clay and fine sand, very organic [illegible]

pH _____ Sample Temp. _____ Cooler Temp. _____

FORM 203 REV. 04/00

SINCE 1881

CHAIN OF CUSTODY RECORD

Please Print CLIENT: F&R 62
ADDR:
ATTN: Greg Whitt
PHONE/FAX:

FROEHLING & ROBERTSON, INC.
30[illegible] [illegible]mbarton Rd.
RICHMOND, VIRGINIA 23228
TEL: (804) 264-2701
FAX: (804) 264-0782

Terms and Conditions: This Agreement shall be subject to all of the terms and conditions set forth on the reverse side hereof, which terms and conditions are expressly made a part of this Agreement and any reports issued by F&R pursuant to this Agreement.

LAB PROJECT #:
PROJECT NAME/NUMBER - Please Print: J62-110E
SAMPLED BY - Please Print: Greg Whitt / Ross Robarson

REQUESTED TEST PARAMETERS - Please Print

LAB I.D.	DATE SAMPLED	TIME SAMPLED	GRAB	COMP	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE MATRIX	Grain size Distribution	Coefficient of consolidation	Bulk Density lb/ft³	Dry Density lb/ft³	Specific Gravity @ 20°C	Porosity	Void Ratio					
	8-6-07	14:15	✓	✓	DP1T-RR	1	Sediment	✓											
		14:00	✓	✓	DP1T-RL	1		✓											
		14:30	✓	✓	DP1T-RC	1		✓											
		14:45	✓	✓	DP1-S1B	1			✓	✓	✓	✓	✓	✓					
	8-7-07	10:20	✓	✓	DP2T-RR	1	Sediment	✓											
		11:15	✓	✓	DP2T-RL	1		✓											
		09:40	✓	✓	DP2T-RC	1		✓											
		11:45	✓	✓	DP2-S1B	1			✓	✓	✓	✓	✓	✓					
pH @ lab receipt																			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	8/10/07	16:00			
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**

SHIPPED VIA: Hand-delivered DATE: 8-13-07

COMMENTS: Please Print

Coefficient of consolidation Loads:
150 - 300 - 450

All samples are composites except DP1-S1B and DP2-S1B, which are grabs

pH: Sample Temp.: Cooler Temp.:

FILE

FORM 203 REV. 04/00

SINCE F&R 1881

CHAIN OF CUSTODY RECORD

Please Print CLIENT F+R 62
ADDR
ATTN Greg Whitt
PHONE/FAX

FROEHLING & ROBERTSON, INC.
301 .mbarton Rd.
RICHMOND, VIRGINIA 23228
TEL: (804) 264-2701
FAX: (804) 264-0782

Terms and Conditions: This Agreement shall be subject to all of the terms and conditions set forth on the reverse side hereof, which terms and conditions are expressly made a part of this Agreement and any reports issued by F&R pursuant to this Agreement.

LAB PROJECT #: 062-110E

PROJECT NAME/NUMBER - Please Print

SAMPLED BY - Please Print: Greg Whitt / Ross Robeson

LAB I.D.	DATE SAMPLED	TIME SAMPLED	GRAB	COMP	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE MATRIX	Grain Size Distribution	Coefficient of consolidation	Bulk Density lb/ft³	Dry Density lb/ft³	Spec. gravity e20C	Porosity	Void Ratio
	8-8-07	11:24	✓	✓	DP3T - RR	1	sediment	X						
		9:20	✓	✓	DP3T - RL	1		X						
		10:15	✓	✓	DP3T - RC	1		X						
		11:20	✓	✓	DP3 - S1B	1			X	X	X	X	X	X
		15:45	✓	✓	DP4T - RR	1		X						
		14:05	✓	✓	DP4T - RL	1		X						
		15:25	✓	✓	DP4T - RC	1		X						
		16:05	✓	✓	DP4 - S1B	1		X	X	X	X	X	X	X
pH @ lab receipt														

REQUESTED TEST PARAMETERS - Please Print

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	8/10/07	16:00			
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**

SHIPPED VIA Hand-delivered DATE 8-13-07

COMMENTS: Please Print

Coefficient of consolidation load: 150-300-450

All samples are composits, except DP3-S1B and DP4-S1B, which are grabs

pH _____ Sample Temp. _____ Cooler Temp. _____

FILE

FORM 203 REV. 04/00

SINCE F&R 1881

CHAIN OF CUSTODY RECORD

Please Print CLIENT: F&R 62
ADDR:
ATTN: Greg Whitt
PHONE/FAX:

FROEHLING & ROBERTSON, INC.
301 mbarton Rd.
RICHMOND, VIRGINIA 23228
TEL: (804) 264-2701
FAX: (804) 264-0782

Terms and Conditions: This Agreement shall be subject to all of the terms and conditions set forth on the reverse side hereof, which terms and conditions are expressly made a part of this Agreement and any reports issued by F&R pursuant to this Agreement.

LAB PROJECT #:
PROJECT NAME/NUMBER - Please Print: J62-110E
SAMPLED BY - Please Print: Greg Whitt / Ross Roberson

LAB I.D.	DATE SAMPLED	TIME SAMPLED	GRAB	COMP	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE MATRIX	Grain size distribution	Coefficient of Consolidation	Bulk Density lb/ft3	Dry Density lb/ft3	Specific Gravity @ 20°C	Porosity	Void Ratio					
	8-9-07	11:00		✓	DP5T-RR	1	Sediment	✓											
	↓	11:30		✓	DP5T-RL	1	↓	✓											
	↓	12:05		✓	DP5T-RC	1	↓	✓											
	↓	12:45	✓	✗ aw	DP5-S1B	1	↓		✓	✓	✓	✓	✓	✓					
	8-10-07	12:10		✓	DP6T-RR	1	↓	✓											
	↓	12:35		✓	DP6T-RL	1	↓	✓											
	↓	11:30		✓	DP6T-RC	1	↓	✓											
	↓	12:40	✓	✗ aw	DP6-S1B	1	↓		✓	✓	✓	✓	✓	✓					
pH @ lab receipt																			

REQUESTED TEST PARAMETERS - Please Print

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	8/10/07	16:00			
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY**	**DATE**	**TIME**

SHIPPED VIA: Hand-delivered 8-13-07 DATE: 8-13-07

COMMENTS: Please Print

Coefficient of Consolidation loads

150 - 300 - 450

All samples are composits except DP5-S1B and DP6-S1B, which are grabs.

pH: Sample Temp.: Cooler Temp.:

FILE

FORM 203 REV. 04/00

SINCE F&R 1881

CHAIN OF CUSTODY RECORD

Please Print CLIENT: F&R 62
ADDR:
ATTN: Greg Whitt
PHONE/FAX:

FROEHLING & ROBERTSON, INC.
301 mbarton Rd.
RICHMOND, VIRGINIA 23228
TEL: (804) 264-2701
FAX: (804) 264-0782

Terms and Conditions: This Agreement shall be subject to all of the terms and conditions set forth on the reverse side hereof, which terms and conditions are expressly made a part of this Agreement and any reports issued by F&R pursuant to this Agreement.

LAB PROJECT #:
PROJECT NAME/NUMBER - Please Print: J62-110E
SAMPLED BY - Please Print: Greg Whitt / Ross Roberson

REQUESTED TEST PARAMETERS - Please Print

LAB I.D.	DATE SAMPLED	TIME SAMPLED	GRAB	COMP	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE MATRIX	Grain Size Distribution	Coefficient of Consolidation	Bulk Density lb/ft³	Dry Density lb/ft³	Specific Gravity @ 20°C	Porosity	Void Ratio				
	8-10-07	10:45		✓	DP7T-RR	1	Sediment	✓										
	↓	10:00		✓	DP7T-RL	1	↓	✓										
	↓	10:30		✓	DP7T-RC	1	↓	✓										
	8-9-07	13:45	✓	✗	DP7-S1B	1	↓	~~4~~ 4 aw	✓	✓	✓	✓	✓	✓				
pH @ lab receipt																		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	8/10/07	16:00			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA: Hand-delivered DATE: 8-13-07

COMMENTS: Please Print

Coefficient of Consolidation Loads:
150 – 300 – 450

All samples are composits except DP7-S1B which is a grab.

pH: Sample Temp.: Cooler Temp.:

FILE

FORM 203 REV. 04/00

Appendix G

Level II QA/QC Data Package

AIR WATER & SOIL LABORATORIES, INC.®
2109A North Hamilton Street • Richmond, Virginia 23230 • Tel: (804) 358-8295 Fax: (804) 358-8297

Case Narrative

Laboratory I.D. No.: **07080240 - 07080253**

Client Name:	Froehling & Robertson, Inc.	Date Received:	August 16/17, 2007
Client Project I.D.:	Pigg River Sediment Sampling	Date Issued:	September 11, 2007
Submitted to:	Gregory Whitt	Final Date Issued:	September 26, 2007

On August 16, 2007 four soil samples and an equipment blank were received via courier for analysis per the attached Chain-of-Custody Record **(AWS Lab ID #07080240)**. All samples were received with sample containers intact by Georgianna Wenrich (AWS). On August 17, 2007 three soil samples and a field blank were received via courier for analysis per the attached Chain-of-Custody Record**(AWS Lab ID #07080253)**. All samples were received with sample containers intact by Georgianna Wenrich (AWS).Upon laboratory receipt, no deviations, discrepancies or irregularities were observed in sample condition, including holding times, temperature, containers or preservatives.

SW-846 method 8260B

Seven soil samples and two water samples were analyzed for volatile organic compounds. No target compounds were detected in the method blanks All LCS/LCSD recoveries were within QC limits with relative percent differences less than 20% with the exception of the LCS recovery of 1,1-Dichloroethene on September 07, 2007 and September 10, 2007. Matrix spike and matrix spike duplicate were performed on samples 07080240-004, 07080262-005 and 07080493-001. All matrix spike and matrix spike duplicate recoveries were within acceptable QC limits with relative percent differences less than 20% with the exception of the MS/MSD for 1,1-Dichloroethene on sample 07080262-005. All surrogate recoveries were within acceptable QC limits.

Method 8260B Reanalysis

Samples 07080240-003, 07080253-002, 07080253-003 and 07080253-004 were reanalyzed due to the levels of Methylene chloride found in the intia analysis. Upon investigation it was determined that the Methylene chloride was due to lab contamination. The laboratory uses Methylene Chloride a an extraction solvent for the Diesel Range Organics. These samples were prepped for the DRO analysis prior to being analyzed for VOC's, thereby being exposed to airborne levels of Methylene Chloride. Upon reanalysis no methylene chloride was found in the samples. Sample 07080240-005 was not reanalyzed but was also exposed to Methylene Chloride and therefore determined that levels are due to lab contamination.

SW-846 method 8270C

Seven soil samples and two water samples were analyzed for semi- volatile organic compounds. The samples were extracted on August 20/22/28, 2007. No target compounds were detected in the method blanks. Matrix spike and matrix spike duplicate analysis were performed on samples 07080182-001, 07080240-004, 07080265-004 and 07080218-007. All LCS/LCSD and MS/MSD recoveries were within acceptable QC limits with relative percent differences less than 20%. All surrogate recoveries were within historical QC limits.

SW-846 method 8081A/8082

Seven soil samples and two water samples were analyzed for Pesticides and PCB's. No target compounds were detected in any of the method blanks. Matrix spike and matrix spike duplicate were performed on sample 07080240-004. All matrix spike and LCS recoveries were within acceptable QC limits with relative percent differences less than 20% with the exception of 4-4'DDT in the MSD. All surrogate recoveries were within historical acceptance criteria.

AIR WATER & SOIL LABORATORIES, INC.®
2109A North Hamilton Street • Richmond, Virginia 23230 • Tel: (804) 358-8295 Fax: (804) 358-8297

Case Narrative

Laboratory I.D. No.: **07080240 - 07080253**

Client Name:	Froehling & Robertson, Inc.	Date Received:	August 16/17, 2007
Client Project I.D.:	Pigg River Sediment Sampling	Date Issued:	September 11, 2007
Submitted to:	Gregory Whitt	Final Date Issued:	September 26, 2007

On August 16, 2007 four soil samples and an equipment blank were received via courier for analysis per the attached Chain-of-Custody Record **(AWS Lab ID #07080240)**. All samples were received with sample containers intact by Georgianna Wenrich (AWS). On August 17, 2007 three soil samples and a field blank were received via courier for analysis per the attached Chain-of-Custody Record **(AWS Lab ID #07080253)**. All samples were received with sample containers intact by Georgianna Wenrich (AWS).Upon laboratory receipt, no deviations, discrepancies or irregularities were observed in sample condition, including holding times, temperature, containers or preservatives.

SW-846 method 8260B

Seven soil samples and two water samples were analyzed for volatile organic compounds. No target compounds were detected in the method blanks. All LCS/LCSD recoveries were within QC limits with relative percent differences less than 20% with the exception of the LCS recovery of 1,1-Dichloroethene on September 07, 2007 and September 10, 2007. Matrix spike and matrix spike duplicate were performed on samples 07080240-004, 07080262-005 and 07080493-001. All matrix spike and matrix spike duplicate recoveries were within acceptable QC limits with relative percent differences less than 20% with the exception of the MS/MSD for 1,1-Dichloroethene on sample 07080262-005. All surrogate recoveries were within acceptable QC limits.

Method 8260B Reanalysis

Samples 07080240-003, 07080253-002, 07080253-003 and 07080253-004 were reanalyzed due to the levels of Methylene chloride found in the intial analysis. Upon investigation it was determined that the Methylene chloride was due to lab contamination. The laboratory uses Methylene Chloride as an extraction solvent for the Diesel Range Organics. These samples were prepped for the DRO analysis prior to being analyzed for VOC's, thereby being exposed to airborne levels of Methylene Chloride. Upon reanalysis no methylene chloride was found in the samples.

SW-846 method 8270C

Seven soil samples and two water samples were analyzed for semi- volatile organic compounds. The samples were extracted on August 20/22/28, 2007. No target compounds were detected in the method blanks. Matrix spike and matrix spike duplicate analysis were performed on samples 07080182-001, 07080240-004, 07080265-004 and 07080218-007. All LCS/LCSD and MS/MSD recoveries were within acceptable QC limits with relative percent differences less than 20%. All surrogate recoveries were within historical QC limits.

SW-846 method 8081A/8082

Seven soil samples and two water samples were analyzed for Pesticides and PCB's. No target compounds were detected in any of the method blanks. Matrix spike and matrix spike duplicate were performed on sample 07080240-004. All matrix spike and LCS recoveries were within acceptable QC limits with relative percent differences less than 20% with the exception of 4-4'DDT in the MSD. All surrogate recoveries were within historical acceptance criteria.

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Case Narrative

Laboratory I.D. No.: **07080240 - 07080253**

Client Name:	Froehling & Robertson, Inc.	Date Received:	August 16/17, 2007
Client Project I.D.:	Pigg River Sediment Sampling	Date Issued:	September 11, 2007
Submitted to:	Gregory Whitt	Final Date Issued:	September 26, 2007

SW-846 method 8151A

Seven soil samples and two water samples were analyzed Herbicides. The samples were extracted on August 22, 2007. No target compounds were detected in the method blank. Matrix spike and matrix spike duplicate were performed on sample 07080240-004. All matrix spike recoveries were within historical acceptance limits with relative percent differences less than 20%. All LCS recoveries were within historical acceptance limits with relative percent differences less than 20% with few exceptions. Please refer to LCS recovery page for details.. All surrogate recoveries were within historical acceptance criteria.

SW-846 method 8015B Diesel Range Organics

Seven soil samples and two water samples were analyzed Diesel Range Organics. No target compounds were detected in the method blank. All LCS recoveries were within historical acceptance limits with relative percent differences less than 20%. All surrogate recoveries were within historical acceptance criteria with few exceptions. Please refer to surrogate summary page for details.

SW-846 method 8015B Gasoline Range Organics

Seven soil samples and two water samples were analyzed Gasoline Range Organics. No target compounds were detected in the method blank. All LCS recoveries were within historical acceptance limits with relative percent differences less than 20%. All surrogate recoveries were within historical acceptance criteria.

Metals

Seven soil samples and two water samples were analyzed for total metals. The samples were digested for ICP and GFAA analysis on August 17, 2007. No target compounds were detected in the soil method blanks. Arsenic, Cadmium, Selenium, Silver and Vanadium were detected above the limit of detection in the water method blanks. All reported concentrations not significantly above the level detected in the method blank have been qualified with a **B**. All laboratory control sample recoveries were within acceptable QC limits. Matrix spike and matrix spike duplicates were performed on sample 07080240-001. All MS/MSD recoveries were within historical acceptance limits with relative percent differences less than 20%.

Wet Chemistries

Seven soil and two water samples were analyzed for various wet chemistries. Methane, Ethane and Ethene were subcontracted to Test America. No target compounds were detected in the method blanks. Matrix spike and matrix spike duplicate were performed on sample 07080240-004. All LCS/LCSD and MS/MSD recoveries were within historical acceptance limits with relative percent differences less than 20% with the exception of the TOC and EOX soil LCSD and the MS/MSD for Sulfide. Please refer to summary pages for details.

For questions or inquiries please contact Carmela Tombes at (804) 358-8295.

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Case Narrative

Laboratory I.D. No.: **07080240 - 07080253**

Client Name:	Froehling & Robertson, Inc.	Date Received:	August 16/17, 2007
Client Project I.D.:	Pigg River Sediment Sampling	Date Issued:	September 11, 2007
Submitted to:	Gregory Whitt	Final Date Issued:	September 26, 2007

A cross reference of client sample I.D. vs. Laboratory I.D. follows:

Client Sample I.D.	Laboratory I.D.
Received August 16, 2007	07080240
EQB-1	07080240-001
DP1-S1A	07080240-002
DP2-S1A	07080240-003
DP3-S1A	07080240-004
DP4-S1A	07080240-005

Client Sample I.D.	Laboratory I.D.
Received August 17, 2007	07080253
FB1	07080253-001
DP5-S1A	07080253-002
DP6-S1A	07080253-003
DP7-S1A	07080253-004

Definitions of terms:

LOQ = Limit of Quantitation
LOD = Limit of Detection
BLOD = Below the Limit of Detection
J = Qualifier used if quantitation of analyte is less than the LOQ but greater than the LOD.
B=Qualifier used if the analyte is not detected substantially above the level reported in laboratory blank

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QC DATA PACKAGE

VOLATILE ANALYSIS

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Froehling & Robertson, Inc.
Pigg River Sediment Sampling
VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-21-07 (07082117.D)
WATER

Parameter	EPA Method	Blank Concentration (ug/L)		Blank Acceptance Criteria (ug/L)		Date Analyzed	Analyst
Dichlorodifluoromethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Chloromethane	8260B	<	0.3	<	0.3	08-21-07	DMB
Vinyl chloride	8260B	<	0.2	<	0.2	08-21-07	DMB
Bromomethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Chloroethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Trichlorofluoromethane	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1-Dichloroethylene	8260B	<	0.2	<	0.2	08-21-07	DMB
Acetone	8260B	<	7	<	7	08-21-07	DMB
Iodomethane	8260B	<	0.5	<	0.5	08-21-07	DMB
Carbon disulfide	8260B	<	1.2	<	1.2	08-21-07	DMB
Methylene chloride	8260B	<	1	<	1	08-21-07	DMB
trans-1,2-Dichloroethylene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1-Dichloroethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Vinyl acetate	8260B	<	2.2	<	2.2	08-21-07	DMB
2,2-Dichloropropane	8260B	<	0.3	<	0.3	08-21-07	DMB
cis-1,2-Dichloroethylene	8260B	<	0.2	<	0.2	08-21-07	DMB
2-Butanone (MEK)	8260B	<	1.7	<	1.7	08-21-07	DMB
Bromochloromethane	8260B	<	0.4	<	0.4	08-21-07	DMB
Chloroform	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1,1-Trichloroethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Carbon tetrachloride	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1-Dichloropropene	8260B	<	0.3	<	0.3	08-21-07	DMB
Benzene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,2-Dichloroethane	8260B	<	0.3	<	0.3	08-21-07	DMB
Trichloroethylene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,2-Dichloropropane	8260B	<	0.3	<	0.3	08-21-07	DMB
Dibromomethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Bromodichloromethane	8260B	<	0.2	<	0.2	08-21-07	DMB
cis-1,3-Dichloropropene	8260B	<	0.2	<	0.2	08-21-07	DMB
4-Methyl-2-pentanone (MIBK)	8260B	<	1.2	<	1.2	08-21-07	DMB
Toluene	8260B	<	0.2	<	0.2	08-21-07	DMB
trans-1,3-Dichloropropene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1,2-Trichloroethane	8260B	<	0.2	<	0.2	08-21-07	DMB
Tetrachloroethylene (PCE)	8260B	<	0.2	<	0.2	08-21-07	DMB
1,3-Dichloropropane	8260B	<	0.2	<	0.2	08-21-07	DMB
2-Hexanone (MBK)	8260B	<	1.7	<	1.7	08-21-07	DMB
Dibromochloromethane	8260B	<	0.2	<	0.2	08-21-07	DMB

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Pigg River Sediment Sampling
VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-21-07 (07082117.D)

WATER

Parameter	EPA Method	Blank Concentration (ug/L)		Blank Acceptance Criteria (ug/L)		Date Analyzed	Analyst
1,2-Dibromoethane (EDB)	8260B	<	0.4	<	0.4	08-21-07	DMB
Chlorobenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
1,1,1,2-Tetrachloroethane	8260B	<	0.1	<	0.1	08-21-07	DMB
Ethylbenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
m,p-Xylenes	8260B	<	0.2	<	0.2	08-21-07	DMB
o-Xylene	8260B	<	0.1	<	0.1	08-21-07	DMB
Xylenes, Total	8260B	<	0.3	<	0.3	08-21-07	DMB
Styrene	8260B	<	0.1	<	0.1	08-21-07	DMB
Bromoform	8260B	<	0.3	<	0.3	08-21-07	DMB
Isopropylbenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
Bromobenzene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,1,2,2-Tetrachloroethane	8260B	<	0.3	<	0.3	08-21-07	DMB
1,2,3-Trichloropropane	8260B	<	0.4	<	0.4	08-21-07	DMB
n-Propylbenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
2-Chlorotoluene	8260B	<	0.2	<	0.2	08-21-07	DMB
4-Chlorotoluene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,3,5-Trimethylbenzene	8260B	<	0.2	<	0.2	08-21-07	DMB
tert-Butylbenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
1,2,4-Trimethylbenzene	8260B	<	0.2	<	0.2	08-21-07	DMB
sec-Butylbenzene	8260B	<	0.1	<	0.1	08-21-07	DMB
1,3-Dichlorobenzene	8260B	<	0.2	<	0.2	08-21-07	DMB
p-Isopropyltoluene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,4-Dichlorobenzene	8260B	<	0.2	<	0.2	08-21-07	DMB
1,2-Dichlorobenzene	8260B	<	0.2		0.2	08-21-07	DMB
n-Butylbenzene	8260B	<	0.1		0.1	08-21-07	DMB
1,2-Dibromo-3-chloropropane (DBCP)	8260B	<	0.4		0.4	08-21-07	DMB
1,2,4-Trichlorobenzene	8260B	<	0.3		0.3	08-21-07	DMB
Hexachlorobutadiene	8260B	<	0.3		0.3	08-21-07	DMB
Naphthalene	8260B	<	0.2		0.2	08-21-07	DMB
1,2,3-Trichlorobenzene	8260B	<	0.3		0.3	08-21-07	DMB
MTBE	8260B	<	0.2		0.2	08-21-07	DMB

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AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-21-07 (07082118.D)
SOIL

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
Dichlorodifluoromethane	8260B	<	50	<	50	08-21-07	DMB
Chloromethane	8260B	<	50	<	50	08-21-07	DMB
Vinyl chloride	8260B	<	50	<	50	08-21-07	DMB
Bromomethane	8260B	<	50	<	50	08-21-07	DMB
Chloroethane	8260B	<	50	<	50	08-21-07	DMB
Trichlorofluoromethane	8260B	<	50	<	50	08-21-07	DMB
1,1-Dichloroethylene	8260B	<	50	<	50	08-21-07	DMB
Acetone	8260B	<	50	<	50	08-21-07	DMB
Iodomethane	8260B	<	50	<	50	08-21-07	DMB
Carbon disulfide	8260B	<	50	<	50	08-21-07	DMB
Methylene chloride	8260B	<	50	<	50	08-21-07	DMB
trans-1,2-Dichloroethylene	8260B	<	50	<	50	08-21-07	DMB
1,1-Dichloroethane	8260B	<	50	<	50	08-21-07	DMB
Vinyl acetate	8260B	<	50	<	50	08-21-07	DMB
2,2-Dichloropropane	8260B	<	50	<	50	08-21-07	DMB
cis-1,2-Dichloroethylene	8260B	<	50	<	50	08-21-07	DMB
2-Butanone (MEK)	8260B	<	50	<	50	08-21-07	DMB
Bromochloromethane	8260B	<	50	<	50	08-21-07	DMB
Chloroform	8260B	<	50	<	50	08-21-07	DMB
1,1,1-Trichloroethane	8260B	<	50	<	50	08-21-07	DMB
Carbon tetrachloride	8260B	<	50	<	50	08-21-07	DMB
1,1-Dichloropropene	8260B	<	50	<	50	08-21-07	DMB
Benzene	8260B	<	50	<	50	08-21-07	DMB
1,2-Dichloroethane	8260B	<	50	<	50	08-21-07	DMB
Trichloroethylene	8260B	<	50	<	50	08-21-07	DMB
1,2-Dichloropropane	8260B	<	50	<	50	08-21-07	DMB
Dibromomethane	8260B	<	50	<	50	08-21-07	DMB
Bromodichloromethane	8260B	<	50	<	50	08-21-07	DMB
cis-1,3-Dichloropropene	8260B	<	50	<	50	08-21-07	DMB
4-Methyl-2-pentanone (MIBK)	8260B	<	50	<	50	08-21-07	DMB
Toluene	8260B	<	50	<	50	08-21-07	DMB
trans-1,3-Dichloropropene	8260B	<	50	<	50	08-21-07	DMB
1,1,2-Trichloroethane	8260B	<	50	<	50	08-21-07	DMB
Tetrachloroethylene (PCE)	8260B	<	50	<	50	08-21-07	DMB
1,3-Dichloropropane	8260B	<	50	<	50	08-21-07	DMB
2-Hexanone (MBK)	8260B	<	50	<	50	08-21-07	DMB
Dibromochloromethane	8260B	<	50	<	50	08-21-07	DMB

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AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-21-07 (07082118.D)
SOIL

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
1,2-Dibromoethane (EDB)	8260B	<	50	<	50	08-21-07	DMB
Chlorobenzene	8260B	<	50	<	50	08-21-07	DMB
1,1,1,2-Tetrachloroethane	8260B	<	50	<	50	08-21-07	DMB
Ethylbenzene	8260B	<	50	<	50	08-21-07	DMB
m,p-Xylenes	8260B	<	50	<	50	08-21-07	DMB
o-Xylene	8260B	<	50	<	50	08-21-07	DMB
Xylenes, Total	8260B	<	50	<	50	08-21-07	DMB
Styrene	8260B	<	50	<	50	08-21-07	DMB
Bromoform	8260B	<	50	<	50	08-21-07	DMB
Isopropylbenzene	8260B	<	50	<	50	08-21-07	DMB
Bromobenzene	8260B	<	50	<	50	08-21-07	DMB
1,1,2,2-Tetrachloroethane	8260B	<	50	<	50	08-21-07	DMB
1,2,3-Trichloropropane	8260B	<	50	<	50	08-21-07	DMB
n-Propylbenzene	8260B	<	50	<	50	08-21-07	DMB
2-Chlorotoluene	8260B	<	50	<	50	08-21-07	DMB
4-Chlorotoluene	8260B	<	50	<	50	08-21-07	DMB
1,3,5-Trimethylbenzene	8260B	<	50	<	50	08-21-07	DMB
tert-Butylbenzene	8260B	<	50	<	50	08-21-07	DMB
1,2,4-Trimethylbenzene	8260B	<	50	<	50	08-21-07	DMB
sec-Butylbenzene	8260B	<	50	<	50	08-21-07	DMB
1,3-Dichlorobenzene	8260B	<	50	<	50	08-21-07	DMB
p-Isopropyltoluene	8260B	<	50	<	50	08-21-07	DMB
1,4-Dichlorobenzene	8260B	<	50	<	50	08-21-07	DMB
1,2-Dichlorobenzene	8260B	<	50	<	50	08-21-07	DMB
n-Butylbenzene	8260B	<	50	<	50	08-21-07	DMB
1,2-Dibromo-3-chloropropane (DBCP)	8260B	<	50	<	50	08-21-07	DMB
1,2,4-Trichlorobenzene	8260B	<	50	<	50	08-21-07	DMB
Hexachlorobutadiene	8260B	<	50	<	50	08-21-07	DMB
Naphthalene	8260B	<	50	<	50	08-21-07	DMB
1,2,3-Trichlorobenzene	8260B	<	50	<	50	08-21-07	DMB
MTBE	8260B	<	50	<	50	08-21-07	DMB

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VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-22-07 (07082210.D)
SOIL

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
Dichlorodifluoromethane	8260B	< 50	< 50	08-22-07	DMB
Chloromethane	8260B	< 50	< 50	08-22-07	DMB
Vinyl chloride	8260B	< 50	< 50	08-22-07	DMB
Bromomethane	8260B	< 50	< 50	08-22-07	DMB
Chloroethane	8260B	< 50	< 50	08-22-07	DMB
Trichlorofluoromethane	8260B	< 50	< 50	08-22-07	DMB
1,1-Dichloroethylene	8260B	< 50	< 50	08-22-07	DMB
Acetone	8260B	< 50	< 50	08-22-07	DMB
Iodomethane	8260B	< 50	< 50	08-22-07	DMB
Carbon disulfide	8260B	< 50	< 50	08-22-07	DMB
Methylene chloride	8260B	< 50	< 50	08-22-07	DMB
trans-1,2-Dichloroethylene	8260B	< 50	< 50	08-22-07	DMB
1,1-Dichloroethane	8260B	< 50	< 50	08-22-07	DMB
Vinyl acetate	8260B	< 50	< 50	08-22-07	DMB
2,2-Dichloropropane	8260B	< 50	< 50	08-22-07	DMB
cis-1,2-Dichloroethylene	8260B	< 50	< 50	08-22-07	DMB
2-Butanone (MEK)	8260B	< 50	< 50	08-22-07	DMB
Bromochloromethane	8260B	< 50	< 50	08-22-07	DMB
Chloroform	8260B	< 50	< 50	08-22-07	DMB
1,1,1-Trichloroethane	8260B	< 50	< 50	08-22-07	DMB
Carbon tetrachloride	8260B	< 50	< 50	08-22-07	DMB
1,1-Dichloropropene	8260B	< 50	< 50	08-22-07	DMB
Benzene	8260B	< 50	< 50	08-22-07	DMB
1,2-Dichloroethane	8260B	< 50	< 50	08-22-07	DMB
Trichloroethylene	8260B	< 50	< 50	08-22-07	DMB
1,2-Dichloropropane	8260B	< 50	< 50	08-22-07	DMB
Dibromomethane	8260B	< 50	< 50	08-22-07	DMB
Bromodichloromethane	8260B	< 50	< 50	08-22-07	DMB
cis-1,3-Dichloropropene	8260B	< 50	< 50	08-22-07	DMB
4-Methyl-2-pentanone (MIBK)	8260B	< 50	< 50	08-22-07	DMB
Toluene	8260B	< 50	< 50	08-22-07	DMB
trans-1,3-Dichloropropene	8260B	< 50	< 50	08-22-07	DMB
1,1,2-Trichloroethane	8260B	< 50	< 50	08-22-07	DMB
Tetrachloroethylene (PCE)	8260B	< 50	< 50	08-22-07	DMB
1,3-Dichloropropane	8260B	< 50	< 50	08-22-07	DMB
2-Hexanone (MBK)	8260B	< 50	< 50	08-22-07	DMB
Dibromochloromethane	8260B	< 50	< 50	08-22-07	DMB
1,2-Dibromoethane (EDB)	8260B	< 50	< 50	08-22-07	DMB

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Froehling & Robertson, Inc.
Pigg River Sediment Sampling
VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK 08-22-07 (07082210.D)
SOIL

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
Chlorobenzene	8260B	< 50	< 50	08-22-07	DMB
1,1,1,2-Tetrachloroethane	8260B	< 50	< 50	08-22-07	DMB
Ethylbenzene	8260B	< 50	< 50	08-22-07	DMB
m,p-Xylenes	8260B	< 50	< 50	08-22-07	DMB
o-Xylene	8260B	< 50	< 50	08-22-07	DMB
Xylenes, Total	8260B	< 50	< 50	08-22-07	DMB
Styrene	8260B	< 50	< 50	08-22-07	DMB
Bromoform	8260B	< 50	< 50	08-22-07	DMB
Isopropylbenzene	8260B	< 50	< 50	08-22-07	DMB
Bromobenzene	8260B	< 50	< 50	08-22-07	DMB
1,1,2,2-Tetrachloroethane	8260B	< 50	< 50	08-22-07	DMB
1,2,3-Trichloropropane	8260B	< 50	< 50	08-22-07	DMB
n-Propylbenzene	8260B	< 50	< 50	08-22-07	DMB
2-Chlorotoluene	8260B	< 50	< 50	08-22-07	DMB
4-Chlorotoluene	8260B	< 50	< 50	08-22-07	DMB
1,3,5-Trimethylbenzene	8260B	< 50	< 50	08-22-07	DMB
tert-Butylbenzene	8260B	< 50	< 50	08-22-07	DMB
1,2,4-Trimethylbenzene	8260B	< 50	< 50	08-22-07	DMB
sec-Butylbenzene	8260B	< 50	< 50	08-22-07	DMB
1,3-Dichlorobenzene	8260B	< 50	< 50	08-22-07	DMB
p-Isopropyltoluene	8260B	< 50	< 50	08-22-07	DMB
1,4-Dichlorobenzene	8260B	< 50	< 50	08-22-07	DMB
1,2-Dichlorobenzene	8260B	< 50	< 50	08-22-07	DMB
n-Butylbenzene	8260B	< 50	< 50	08-22-07	DMB
1,2-Dibromo-3-chloropropane (DBCP)	8260B	< 50	< 50	08-22-07	DMB
1,2,4-Trichlorobenzene	8260B	< 50	< 50	08-22-07	DMB
Hexachlorobutadiene	8260B	< 50	< 50	08-22-07	DMB
Naphthalene	8260B	< 50	< 50	08-22-07	DMB
1,2,3-Trichlorobenzene	8260B	< 50	< 50	08-22-07	DMB
MTBE	8260B	< 50	< 50	08-22-07	DMB

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METHOD REAGENT BLANK 09-07-07 (07090705.D)
SOIL REANALYSIS

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
Dichlorodifluoromethane	8260B	< 50	< 50	09-07-07	DMB
Chloromethane	8260B	< 50	< 50	09-07-07	DMB
Vinyl chloride	8260B	< 50	< 50	09-07-07	DMB
Bromomethane	8260B	< 50	< 50	09-07-07	DMB
Chloroethane	8260B	< 50	< 50	09-07-07	DMB
Trichlorofluoromethane	8260B	< 50	< 50	09-07-07	DMB
1,1-Dichloroethylene	8260B	< 50	< 50	09-07-07	DMB
Acetone	8260B	< 50	< 50	09-07-07	DMB
Iodomethane	8260B	< 50	< 50	09-07-07	DMB
Carbon disulfide	8260B	< 50	< 50	09-07-07	DMB
Methylene chloride	8260B	< 50	< 50	09-07-07	DMB
trans-1,2-Dichloroethylene	8260B	< 50	< 50	09-07-07	DMB
1,1-Dichloroethane	8260B	< 50	< 50	09-07-07	DMB
Vinyl acetate	8260B	< 50	< 50	09-07-07	DMB
2,2-Dichloropropane	8260B	< 50	< 50	09-07-07	DMB
cis-1,2-Dichloroethylene	8260B	< 50	< 50	09-07-07	DMB
2-Butanone (MEK)	8260B	< 50	< 50	09-07-07	DMB
Bromochloromethane	8260B	< 50	< 50	09-07-07	DMB
Chloroform	8260B	< 50	< 50	09-07-07	DMB
1,1,1-Trichloroethane	8260B	< 50	< 50	09-07-07	DMB
Carbon tetrachloride	8260B	< 50	< 50	09-07-07	DMB
1,1-Dichloropropene	8260B	< 50	< 50	09-07-07	DMB
Benzene	8260B	< 50	< 50	09-07-07	DMB
1,2-Dichloroethane	8260B	< 50	< 50	09-07-07	DMB
Trichloroethylene	8260B	< 50	< 50	09-07-07	DMB
1,2-Dichloropropane	8260B	< 50	< 50	09-07-07	DMB
Dibromomethane	8260B	< 50	< 50	09-07-07	DMB
Bromodichloromethane	8260B	< 50	< 50	09-07-07	DMB
cis-1,3-Dichloropropene	8260B	< 50	< 50	09-07-07	DMB
4-Methyl-2-pentanone (MIBK)	8260B	< 50	< 50	09-07-07	DMB
Toluene	8260B	< 50	< 50	09-07-07	DMB
trans-1,3-Dichloropropene	8260B	< 50	< 50	09-07-07	DMB
1,1,2-Trichloroethane	8260B	< 50	< 50	09-07-07	DMB
Tetrachloroethylene (PCE)	8260B	< 50	< 50	09-07-07	DMB
1,3-Dichloropropane	8260B	< 50	< 50	09-07-07	DMB
2-Hexanone (MBK)	8260B	< 50	< 50	09-07-07	DMB
Dibromochloromethane	8260B	< 50	< 50	09-07-07	DMB

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METHOD REAGENT BLANK 09-07-07 (07090705.D)
SOIL REANALYSIS

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
1,2-Dibromoethane (EDB)	8260B	< 50	< 50	09-07-07	DMB
Chlorobenzene	8260B	< 50	< 50	09-07-07	DMB
1,1,1,2-Tetrachloroethane	8260B	< 50	< 50	09-07-07	DMB
Ethylbenzene	8260B	< 50	< 50	09-07-07	DMB
m,p-Xylenes	8260B	< 50	< 50	09-07-07	DMB
o-Xylene	8260B	< 50	< 50	09-07-07	DMB
Xylenes, Total	8260B	< 50	< 50	09-07-07	DMB
Styrene	8260B	< 50	< 50	09-07-07	DMB
Bromoform	8260B	< 50	< 50	09-07-07	DMB
Isopropylbenzene	8260B	< 50	< 50	09-07-07	DMB
Bromobenzene	8260B	< 50	< 50	09-07-07	DMB
1,1,2,2-Tetrachloroethane	8260B	< 50	< 50	09-07-07	DMB
1,2,3-Trichloropropane	8260B	< 50	< 50	09-07-07	DMB
n-Propylbenzene	8260B	< 50	< 50	09-07-07	DMB
2-Chlorotoluene	8260B	< 50	< 50	09-07-07	DMB
4-Chlorotoluene	8260B	< 50	< 50	09-07-07	DMB
1,3,5-Trimethylbenzene	8260B	< 50	< 50	09-07-07	DMB
tert-Butylbenzene	8260B	< 50	< 50	09-07-07	DMB
1,2,4-Trimethylbenzene	8260B	< 50	< 50	09-07-07	DMB
sec-Butylbenzene	8260B	< 50	< 50	09-07-07	DMB
1,3-Dichlorobenzene	8260B	< 50	< 50	09-07-07	DMB
p-Isopropyltoluene	8260B	< 50	< 50	09-07-07	DMB
1,4-Dichlorobenzene	8260B	< 50	< 50	09-07-07	DMB
1,2-Dichlorobenzene	8260B	< 50	< 50	09-07-07	DMB
n-Butylbenzene	8260B	< 50	< 50	09-07-07	DMB
1,2-Dibromo-3-chloropropane (DBCP)	8260B	< 50	< 50	09-07-07	DMB
1,2,4-Trichlorobenzene	8260B	< 50	< 50	09-07-07	DMB
Hexachlorobutadiene	8260B	< 50	< 50	09-07-07	DMB
Naphthalene	8260B	< 50	< 50	09-07-07	DMB
1,2,3-Trichlorobenzene	8260B	< 50	< 50	09-07-07	DMB
MTBE	8260B	< 50	< 50	09-07-07	DMB

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METHOD REAGENT BLANK 09-10-07 (07091013.D)
SOIL REANALYSIS

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
Dichlorodifluoromethane	8260B	< 50	< 50	09-10-07	DMB
Chloromethane	8260B	< 50	< 50	09-10-07	DMB
Vinyl chloride	8260B	< 50	< 50	09-10-07	DMB
Bromomethane	8260B	< 50	< 50	09-10-07	DMB
Chloroethane	8260B	< 50	< 50	09-10-07	DMB
Trichlorofluoromethane	8260B	< 50	< 50	09-10-07	DMB
1,1-Dichloroethylene	8260B	< 50	< 50	09-10-07	DMB
Acetone	8260B	< 50	< 50	09-10-07	DMB
Iodomethane	8260B	< 50	< 50	09-10-07	DMB
Carbon disulfide	8260B	< 50	< 50	09-10-07	DMB
Methylene chloride	8260B	< 50	< 50	09-10-07	DMB
trans-1,2-Dichloroethylene	8260B	< 50	< 50	09-10-07	DMB
1,1-Dichloroethane	8260B	< 50	< 50	09-10-07	DMB
Vinyl acetate	8260B	< 50	< 50	09-10-07	DMB
2,2-Dichloropropane	8260B	< 50	< 50	09-10-07	DMB
cis-1,2-Dichloroethylene	8260B	< 50	< 50	09-10-07	DMB
2-Butanone (MEK)	8260B	< 50	< 50	09-10-07	DMB
Bromochloromethane	8260B	< 50	< 50	09-10-07	DMB
Chloroform	8260B	< 50	< 50	09-10-07	DMB
1,1,1-Trichloroethane	8260B	< 50	< 50	09-10-07	DMB
Carbon tetrachloride	8260B	< 50	< 50	09-10-07	DMB
1,1-Dichloropropene	8260B	< 50	< 50	09-10-07	DMB
Benzene	8260B	< 50	< 50	09-10-07	DMB
1,2-Dichloroethane	8260B	< 50	< 50	09-10-07	DMB
Trichloroethylene	8260B	< 50	< 50	09-10-07	DMB
1,2-Dichloropropane	8260B	< 50	< 50	09-10-07	DMB
Dibromomethane	8260B	< 50	< 50	09-10-07	DMB
Bromodichloromethane	8260B	< 50	< 50	09-10-07	DMB
cis-1,3-Dichloropropene	8260B	< 50	< 50	09-10-07	DMB
4-Methyl-2-pentanone (MIBK)	8260B	< 50	< 50	09-10-07	DMB
Toluene	8260B	< 50	< 50	09-10-07	DMB
trans-1,3-Dichloropropene	8260B	< 50	< 50	09-10-07	DMB
1,1,2-Trichloroethane	8260B	< 50	< 50	09-10-07	DMB
Tetrachloroethylene (PCE)	8260B	< 50	< 50	09-10-07	DMB
1,3-Dichloropropane	8260B	< 50	< 50	09-10-07	DMB
2-Hexanone (MBK)	8260B	< 50	< 50	09-10-07	DMB
Dibromochloromethane	8260B	< 50	< 50	09-10-07	DMB

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METHOD REAGENT BLANK 09-10-07 (07091013.D)
SOIL REANALYSIS

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
1,2-Dibromoethane (EDB)	8260B	< 50	< 50	09-10-07	DMB
Chlorobenzene	8260B	< 50	< 50	09-10-07	DMB
1,1,1,2-Tetrachloroethane	8260B	< 50	< 50	09-10-07	DMB
Ethylbenzene	8260B	< 50	< 50	09-10-07	DMB
m,p-Xylenes	8260B	< 50	< 50	09-10-07	DMB
o-Xylene	8260B	< 50	< 50	09-10-07	DMB
Xylenes, Total	8260B	< 50	< 50	09-10-07	DMB
Styrene	8260B	< 50	< 50	09-10-07	DMB
Bromoform	8260B	< 50	< 50	09-10-07	DMB
Isopropylbenzene	8260B	< 50	< 50	09-10-07	DMB
Bromobenzene	8260B	< 50	< 50	09-10-07	DMB
1,1,2,2-Tetrachloroethane	8260B	< 50	< 50	09-10-07	DMB
1,2,3-Trichloropropane	8260B	< 50	< 50	09-10-07	DMB
n-Propylbenzene	8260B	< 50	< 50	09-10-07	DMB
2-Chlorotoluene	8260B	< 50	< 50	09-10-07	DMB
4-Chlorotoluene	8260B	< 50	< 50	09-10-07	DMB
1,3,5-Trimethylbenzene	8260B	< 50	< 50	09-10-07	DMB
tert-Butylbenzene	8260B	< 50	< 50	09-10-07	DMB
1,2,4-Trimethylbenzene	8260B	< 50	< 50	09-10-07	DMB
sec-Butylbenzene	8260B	< 50	< 50	09-10-07	DMB
1,3-Dichlorobenzene	8260B	< 50	< 50	09-10-07	DMB
p-Isopropyltoluene	8260B	< 50	< 50	09-10-07	DMB
1,4-Dichlorobenzene	8260B	< 50	< 50	09-10-07	DMB
1,2-Dichlorobenzene	8260B	< 50	< 50	09-10-07	DMB
n-Butylbenzene	8260B	< 50	< 50	09-10-07	DMB
1,2-Dibromo-3-chloropropane (DBCP)	8260B	< 50	< 50	09-10-07	DMB
1,2,4-Trichlorobenzene	8260B	< 50	< 50	09-10-07	DMB
Hexachlorobutadiene	8260B	< 50	< 50	09-10-07	DMB
Naphthalene	8260B	< 50	< 50	09-10-07	DMB
1,2,3-Trichlorobenzene	8260B	< 50	< 50	09-10-07	DMB
MTBE	8260B	< 50	< 50	09-10-07	DMB

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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -08-21-07
WATER

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	46	92	45	90	80	120	2	20	08-21-07	DMB
Benzene	50	45	90	44	88	80	120	2	20	08-21-07	DMB
Trichloroethylene	50	50	100	50	100	80	120	0	20	08-21-07	DMB
Toluene	50	48	96	45	90	80	120	6	20	08-21-07	DMB
Chlorobenzene	50	50	100	49	98	80	120	2	20	08-21-07	DMB

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -08-21-07
SOIL

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	50	100	50	100	80	120	0	20	08-21-07	DMB
Benzene	50	45	90	45	90	80	120	0	20	08-21-07	DMB
Trichloroethylene	50	50	100	51	102	80	120	2	20	08-21-07	DMB
Toluene	50	46	92	46	92	80	120	0	20	08-21-07	DMB
Chlorobenzene	50	49	98	49	98	80	120	0	20	08-21-07	DMB

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -08-22-07
SOIL

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	43	86	44	88	80	120	2	20	08-22-07	DMB
Benzene	50	44	88	46	92	80	120	4	20	08-22-07	DMB
Trichloroethylene	50	51	102	53	106	80	120	4	20	08-22-07	DMB
Toluene	50	46	92	47	94	80	120	2	20	08-22-07	DMB
Chlorobenzene	50	49	98	51	102	80	120	4	20	08-22-07	DMB

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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -09-07-07
SOIL

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	38	76 *	41	82	80	120	8	20	09-07-07	DMB
Benzene	50	47	94	49	98	80	120	4	20	09-07-07	DMB
Trichloroethylene	50	48	96	51	102	80	120	6	20	09-07-07	DMB
Toluene	50	47	94	48	96	80	120	2	20	09-07-07	DMB
Chlorobenzene	50	47	94	50	100	80	120	6	20	09-07-07	DMB

*= Outside historical QC Limits

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -09-10-07
SOIL

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	37	74 *	38	76 *	80	120	3	20	09-10-07	DMB
Benzene	50	45	90	47	94	80	120	4	20	09-10-07	DMB
Trichloroethylene	50	47	94	50	100	80	120	6	20	09-10-07	DMB
Toluene	50	45	90	47	94	80	120	4	20	09-10-07	DMB
Chlorobenzene	50	47	94	48	96	80	120	2	20	09-10-07	DMB

*= Outside historical QC Limits

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080240-004

SOIL

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Duplicate Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	0	42	84	42	84	80	120	0	20	08-22-07	DMB
Benzene	50	0	43	86	43	86	80	120	0	20	08-22-07	DMB
Trichloroethylene	50	0	48	96	48	96	80	120	0	20	08-22-07	DMB
Toluene	50	0	43	86	43	86	80	120	0	20	08-22-07	DMB
Chlorobenzene	50	0	45	90	45	90	80	120	0	20	08-22-07	DMB

BATCH MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080262-005

SOIL

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Duplicate Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	0	39	78 *	38	76 *	80	120	3	20	08-22-07	DMB
Benzene	50	0	44	88	45	90	80	120	2	20	08-22-07	DMB
Trichloroethylene	50	0	50	100	52	104	80	120	4	20	08-22-07	DMB
Toluene	50	0	45	90	47	94	80	120	4	20	08-22-07	DMB
Chlorobenzene	50	0	47	94	49	98	80	120	4	20	08-22-07	DMB

*=Outside historical QC limits

BATCH MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080493-001

SOIL

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Duplicate Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
1,1-Dichloroethene	50	0	48	96	47	94	80	120	2	20	09-07-07	DMB
Benzene	50	0	48	96	46	92	80	120	4	20	09-07-07	DMB
Trichloroethylene	50	0	50	100	47	94	80	120	6	20	09-07-07	DMB
Toluene	50	0	48	96	45	90	80	120	6	20	09-07-07	DMB
Chlorobenzene	50	0	49	98	47	94	80	120	4	20	09-07-07	DMB

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SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV	Dibromofluoromethane	8260B	3.85	79981	104	86	118	08-21-07	DMB
07082110.D	1,2-Dichloroethane-d4		4.51	21483	101	80	120		
	Toluene-d8		8.24	446342	100	88	110		
	4-Bromofluorobenzene		11.27	181672	103	86	115		
LCS	Dibromofluoromethane	8260B	3.85	78809	100	86	118	08-21-07	DMB
07082112.D	1,2-Dichloroethane-d4		4.51	21156	97	80	120		
	Toluene-d8		8.24	443534	99	88	110		
	4-Bromofluorobenzene		11.27	175534	100	86	115		
LCSD	Dibromofluoromethane	8260B	3.85	79666	104	86	118	08-21-07	DMB
07082113.D	1,2-Dichloroethane-d4		4.51	20382	97	80	120		
	Toluene-d8		8.23	440771	100	88	110		
	4-Bromofluorobenzene		11.27	167141	97	86	115		
Method Blank	Dibromofluoromethane	8260B	3.84	77341	104	86	118	08-21-07	DMB
07082117.D	1,2-Dichloroethane-d4		4.50	19950	97	80	120		
	Toluene-d8		8.24	418486	100	88	110		
	4-Bromofluorobenzene		11.27	163563	101	86	115		
07080240-001	Dibromofluoromethane	8260B	3.85	75546	103	86	118	08-21-07	DMB
07082119.D	1,2-Dichloroethane-d4		4.51	20982	103	80	120		
	Toluene-d8		8.24	413219	99	88	110		
	4-Bromofluorobenzene		11.27	164857	101	86	115		
07080253-001	Dibromofluoromethane	8260B	3.85	74168	102	86	118	08-21-07	DMB
07082120.D	1,2-Dichloroethane-d4		4.51	19741	98	80	120		
	Toluene-d8		8.23	412530	100	88	110		
	4-Bromofluorobenzene		11.27	164478	102	86	115		
LCS	Dibromofluoromethane	8260B	3.85	80123	104	86	118	08-21-07	DMB
07082114.D	1,2-Dichloroethane-d4		4.51	20941	98	80	120		
	Toluene-d8		8.24	437391	100	88	110		
	4-Bromofluorobenzene		11.27	173336	101	86	115		

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Pigg River Sediment Sampling
VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
LCSD	Dibromofluoromethane	8260B	3.85	78514	104	86	118	08-21-07	DMB
07082115.D	1,2-Dichloroethane-d4		4.51	21488	103	80	120		
	Toluene-d8		8.23	430320	100	88	110		
	4-Bromofluorobenzene		11.27	168838	99	86	115		
Method Blank	Dibromofluoromethane	8260B	3.85	75444	106	86	118	08-21-07	DMB
07082118.D	1,2-Dichloroethane-d4		4.51	19846	101	80	120		
	Toluene-d8		8.23	402458	98	88	110		
	4-Bromofluorobenzene		11.27	158141	100	86	115		
07080240-002	Dibromofluoromethane	8260B	3.85	75003	106	86	118	08-21-07	DMB
07082121.D	1,2-Dichloroethane-d4		4.50	20941	107	80	120		
	Toluene-d8		8.23	403799	98	88	110		
	4-Bromofluorobenzene		11.27	160555	100	86	115		
07080240-003	Dibromofluoromethane	8260B	3.85	73040	104	86	118	08-21-07	DMB
07082122.D	1,2-Dichloroethane-d4		4.51	19907	102	80	120		
	Toluene-d8		8.24	404821	101	88	110		
	4-Bromofluorobenzene		11.27	160998	101	86	115		
07080240-004	Dibromofluoromethane	8260B	3.84	74409	107	86	118	08-21-07	DMB
07082123.D	1,2-Dichloroethane-d4		4.51	18850	98	80	120		
	Toluene-d8		8.23	397559	98	88	110		
	4-Bromofluorobenzene		11.27	159859	102	86	115		
07080240-005	Dibromofluoromethane	8260B	3.85	72743	105	86	118	08-21-07	DMB
07082124.D	1,2-Dichloroethane-d4		4.51	19292	100	80	120		
	Toluene-d8		8.24	397414	99	88	110		
	4-Bromofluorobenzene		11.27	158391	100	86	115		
07080253-002	Dibromofluoromethane	8260B	3.85	72343	104	86	118	08-21-07	DMB
07082125.D	1,2-Dichloroethane-d4		4.51	19091	99	80	120		
	Toluene-d8		8.24	392864	100	88	110		
	4-Bromofluorobenzene		11.27	156490	101	86	115		
07080253-003	Dibromofluoromethane	8260B	3.84	72898	108	86	118	08-21-07	DMB
07082126.D	1,2-Dichloroethane-d4		4.51	18679	100	80	120		
	Toluene-d8		8.24	390549	99	88	110		
	4-Bromofluorobenzene		11.27	156624	103	86	115		

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AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
07080253-004	Dibromofluoromethane	8260B	3.85	72524	107	86	118	08-21-07	DMB
07082127.D	1,2-Dichloroethane-d4		4.51	18909	101	80	120		
	Toluene-d8		8.24	388904	100	88	110		
	4-Bromofluorobenzene		11.27	154349	101	86	115		
07080240-004 MS	Dibromofluoromethane	8260B	3.85	69136	103	86	118	08-21-07	DMB
07082130.D	1,2-Dichloroethane-d4		4.51	18686	101	80	120		
	Toluene-d8		8.24	378835	99	88	110		
	4-Bromofluorobenzene		11.27	152446	101	86	115		
07080240-004 MSD	Dibromofluoromethane	8260B	3.85	70998	105	86	118	08-21-07	DMB
07082131.D	1,2-Dichloroethane-d4		4.51	18003	96	80	120		
	Toluene-d8		8.24	385601	101	88	110		
	4-Bromofluorobenzene		11.27	150383	100	86	115		
CCV	Dibromofluoromethane	8260B	3.85	69071	104	86	118	08-22-07	DMB
07082205.D	1,2-Dichloroethane-d4		4.51	18571	101	80	120		
	Toluene-d8		8.23	380441	101	88	110		
	4-Bromofluorobenzene		11.27	155634	102	86	115		
LCS	Dibromofluoromethane	8260B	3.84	69083	106	86	118	08-22-07	DMB
07082207.D	1,2-Dichloroethane-d4		4.51	17779	98	80	120		
	Toluene-d8		8.24	379210	100	88	110		
	4-Bromofluorobenzene		11.27	151660	100	86	115		
LCSD	Dibromofluoromethane	8260B	3.85	68567	103	86	118	08-22-07	DMB
07082208.D	1,2-Dichloroethane-d4		4.51	17764	96	80	120		
	Toluene-d8		8.23	382491	102	88	110		
	4-Bromofluorobenzene		11.27	154027	103	86	115		
Method Blank	Dibromofluoromethane	8260B	3.85	69735	105	86	118	08-22-07	DMB
07082210.D	1,2-Dichloroethane-d4		4.51	18554	101	80	120		
	Toluene-d8		8.24	373674	99	88	110		
	4-Bromofluorobenzene		11.27	149384	103	86	115		
07080240-005	Dibromofluoromethane	8260B	3.85	66861	102	86	118	08-22-07	DMB
07082212.D	1,2-Dichloroethane-d4		4.51	17571	97	80	120		
	Toluene-d8		8.23	373216	101	88	110		
	4-Bromofluorobenzene		11.27	149580	102	86	115		

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AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV	Dibromofluoromethane	8260B	4.29	126921	95	86	118	09-07-07	DMB
07090703.D	1,2-Dichloroethane-d4		4.87	30089	100	80	120		
	Toluene-d8		8.07	497940	103	88	110		
	4-Bromofluorobenzene		11.40	140300	100	86	115		
Method Blank	Dibromofluoromethane	8260B	4.29	125936	97	86	118	09-07-07	DMB
07090705.D	1,2-Dichloroethane-d4		4.87	30000	100	80	120		
	Toluene-d8		8.07	491269	102	88	110		
	4-Bromofluorobenzene		11.40	128273	94	86	115		
LCS	Dibromofluoromethane	8260B	4.29	141594	98	86	118	09-07-07	DMB
07090709.D	1,2-Dichloroethane-d4		4.87	33097	100	80	120		
	Toluene-d8		8.07	559705	105	88	110		
	4-Bromofluorobenzene		11.39	146412	93	86	115		
LCSD	Dibromofluoromethane	8260B	4.29	136407	99	86	118	09-07-07	DMB
07090710.D	1,2-Dichloroethane-d4		4.86	31624	99	80	120		
	Toluene-d8		8.07	527871	103	88	110		
	4-Bromofluorobenzene		11.40	139926	94	86	115		
07080493-001	Dibromofluoromethane	8260B	4.29	141901	99	86	118	09-07-07	DMB
07090716.D	1,2-Dichloroethane-d4		4.87	34729	104	80	120		
	Toluene-d8		8.07	556936	103	88	110		
	4-Bromofluorobenzene		11.40	147551	94	86	115		
07080493-001 MS	Dibromofluoromethane	8260B	4.29	144550	98	86	118	09-07-07	DMB
07090717.D	1,2-Dichloroethane-d4		4.87	34482	102	80	120		
	Toluene-d8		8.07	572757	106	88	110		
	4-Bromofluorobenzene		11.40	151199	94	86	115		
07080493-001 MSD	Dibromofluoromethane	8260B	4.29	146673	99	86	118	09-07-07	DMB
07090718.D	1,2-Dichloroethane-d4		4.87	34061	99	80	120		
	Toluene-d8		8.07	573952	104	88	110		
	4-Bromofluorobenzene		11.40	150937	93	86	115		
07080240-003	Dibromofluoromethane	8260B	4.29	144541	96	86	118	09-07-07	DMB
07090707.D	1,2-Dichloroethane-d4		4.87	35332	102	80	120		
	Toluene-d8		8.07	561826	101	88	110		
	4-Bromofluorobenzene		11.40	147243	94	86	115		

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AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV	Dibromofluoromethane	8260B	4.29	133449	100	86	118	09-10-07	DMB
07091008.D	1,2-Dichloroethane-d4		4.87	32129	105	80	120		
	Toluene-d8		8.07	496053	101	88	110		
	4-Bromofluorobenzene		11.40	140125	100	86	115		
LCS	Dibromofluoromethane	8260B	4.29	145486	99	86	118	09-10-07	DMB
07091010.D	1,2-Dichloroethane-d4		4.87	32669	97	80	120		
	Toluene-d8		8.07	565655	104	88	110		
	4-Bromofluorobenzene		11.40	148108	93	86	115		
LCSD	Dibromofluoromethane	8260B	4.29	134062	97	86	118	09-10-07	DMB
07091011.D	1,2-Dichloroethane-d4		4.87	31254	99	80	120		
	Toluene-d8		8.07	526422	104	88	110		
	4-Bromofluorobenzene		11.40	138088	95	86	115		
Method Blank	Dibromofluoromethane	8260B	4.29	130482	96	86	118	09-10-07	DMB
07091013.D	1,2-Dichloroethane-d4		4.86	31347	99	80	120		
	Toluene-d8		8.07	512415	101	88	110		
	4-Bromofluorobenzene		11.40	130910	91	86	115		
07080253-002	Dibromofluoromethane	8260B	4.29	124738	101	86	118	09-10-07	DMB
07091030.D	1,2-Dichloroethane-d4		4.87	30217	105	80	120		
	Toluene-d8		8.07	468257	101	88	110		
	4-Bromofluorobenzene		11.40	123129	94	86	115		
07080253-003	Dibromofluoromethane	8260B	4.29	128404	100	86	118	09-10-07	DMB
07091031.D	1,2-Dichloroethane-d4		4.87	31499	105	80	120		
	Toluene-d8		8.07	488945	102	88	110		
	4-Bromofluorobenzene		11.40	125607	93	86	115		
07080253-004	Dibromofluoromethane	8260B	4.29	130679	100	86	118	09-10-07	DMB
07091032.D	1,2-Dichloroethane-d4		4.87	31891	104	80	120		
	Toluene-d8		8.07	493505	101	88	110		
	4-Bromofluorobenzene		11.40	127368	92	86	115		

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QC DATA PACKAGE

SEMI-VOLATILE ORGANICS ANALYSIS

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Pigg River Sediment Sampling
SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-17-07
WATER 07080240

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Benzoic acid	8270C	< 1.0	< 1.0	08-17-07	JHV
4-Chloro-3-methylphenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2-Chlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
p-Cresol	8270C	< 1.0	< 1.0	08-17-07	JHV
o-Cresol	8270C	< 1.0	< 1.0	08-17-07	JHV
Cresols, Total	8270C	< 3.0	< 3.0	08-17-07	JHV
2,4-Dichlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,6-Dichlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,4-Dimethylphenol	8270C	< 1.0	< 1.0	08-17-07	JHV
4,6-Dinitro-2-methylphenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,4-Dinitrophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
Ethyl methanesulfonate	8270C	< 1.0	< 1.0	08-17-07	JHV
Methyl methanesulfonate	8270C	< 1.0	< 1.0	08-17-07	JHV
2-Nitrophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
4-Nitrophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
Pentachlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
Phenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,3,4,6-Tetrachlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,4,5-Trichlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
2,4,6-Trichlorophenol	8270C	< 1.0	< 1.0	08-17-07	JHV
Acenaphthene	8270C	< 1.0	< 1.0	08-17-07	JHV
Acenaphthylene	8270C	< 1.0	< 1.0	08-17-07	JHV
Anthracene	8270C	< 1.0	< 1.0	08-17-07	JHV
Azobenzene	8270C	< 10.0	< 10.0	08-17-07	JHV
Benzo (a) anthracene	8270C	< 1.0	< 1.0	08-17-07	JHV
Benzo (b) fluoranthene	8270C	< 1.0	< 1.0	08-17-07	JHV
Benzo (k) fluoranthene	8270C	< 1.0	< 1.0	08-17-07	JHV
Benzo (g,h,i) perylene	8270C	< 1.0	< 1.0	08-17-07	JHV
Benzo (a) pyrene	8270C	< 1.0	< 1.0	08-17-07	JHV
4-Bromophenyl phenyl ether	8270C	< 1.0	< 1.0	08-17-07	JHV
Butyl benzyl phthalate	8270C	< 1.0	< 1.0	08-17-07	JHV
bis (2-Chloroethoxy) methane	8270C	< 1.0	< 1.0	08-17-07	JHV
bis (2-Chloroethyl) ether	8270C	< 1.0	< 1.0	08-17-07	JHV
bis (2-Chloroisopropyl) ether	8270C	< 1.0	< 1.0	08-17-07	JHV
2-Chloronaphthalene	8270C	< 1.0	< 1.0	08-17-07	JHV
4-Chlorophenyl phenyl ether	8270C	< 1.0	< 1.0	08-17-07	JHV
Chrysene	8270C	< 1.0	< 1.0	08-17-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-17-07
WATER 07080240

Parameter	EPA Method	Blank Concentration (ug/L)		Blank Acceptance Criteria (ug/L)		Date Analyzed	Analyst
Dibenz (a,h) anthracene	8270C	<	1.0	<	1.0	08-17-07	JHV
Di-n-butyl phthalate	8270C	<	2.0	<	2.0	08-17-07	JHV
1,2-Dichlorobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
1,3-Dichlorobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
1,4-Dichlorobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
Diethyl phthalate	8270C	<	1.0	<	1.0	08-17-07	JHV
Dimethyl phthalate	8270C	<	1.0	<	1.0	08-17-07	JHV
2,4-Dinitrotoluene	8270C	<	1.0	<	1.0	08-17-07	JHV
2,6-Dinitrotoluene	8270C	<	1.0	<	1.0	08-17-07	JHV
Di-n-octyl phthalate	8270C	<	1.0	<	1.0	08-17-07	JHV
bis (2-Ethylhexyl) phthalate	8270C	<	1.0	<	1.0	08-17-07	JHV
Fluoranthene	8270C	<	1.0	<	1.0	08-17-07	JHV
Fluorene	8270C	<	1.0	<	1.0	08-17-07	JHV
Hexachlorobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
Hexachlorobutadiene	8270C	<	1.0	<	1.0	08-17-07	JHV
Hexachlorocyclopentadiene	8270C	<	1.0	<	1.0	08-17-07	JHV
Hexachloroethane	8270C	<	1.0	<	1.0	08-17-07	JHV
Indeno (1,2,3-cd) pyrene	8270C	<	1.0	<	1.0	08-17-07	JHV
Isophorone	8270C	<	1.0	<	1.0	08-17-07	JHV
Naphthalene	8270C	<	1.0	<	1.0	08-17-07	JHV
Nitrobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
N-Nitrosodimethylamine	8270C	<	2.0	<	2.0	08-17-07	JHV
N-Nitrosodiphenylamine	8270C	<	1.0	<	1.0	08-17-07	JHV
N-Nitrosodi-N-propylamine	8270C	<	2.0	<	2.0	08-17-07	JHV
Phenanthrene	8270C	<	1.0	<	1.0	08-17-07	JHV
Pyrene	8270C	<	1.0	<	1.0	08-17-07	JHV
Pyridine	8270C	<	1.0	<	1.0	08-17-07	JHV
1,2,4-Trichlorobenzene	8270C	<	2.0	<	2.0	08-17-07	JHV
Benzidine	8270C	<	50.0	<	50.0	08-17-07	JHV
3,3-Dichlorobenzidine	8270C	<	4.0	<	4.0	08-17-07	JHV
Aniline	8270C	<	2.0	<	2.0	08-17-07	JHV
Benzyl alcohol	8270C	<	1.0	<	1.0	08-17-07	JHV
4-Chloroaniline	8270C	<	2.0	<	2.0	08-17-07	JHV
Dibenzofuran	8270C	<	2.0	<	2.0	08-17-07	JHV
2-Methylnaphthalene	8270C	<	2.0	<	2.0	08-17-07	JHV
2-Nitroaniline	8270C	<	2.0	<	2.0	08-17-07	JHV
3-Nitroaniline	8270C	<	2.0	<	2.0	08-17-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-17-07
WATER 07080240

Parameter	EPA Method	Blank Concentration (ug/L)		Blank Acceptance Criteria (ug/L)		Date Analyzed	Analyst
4-Nitroaniline	8270C	<	2.0	<	2.0	08-17-07	JHV
Acetophenone	8270C	<	2.0	<	2.0	08-17-07	JHV
4-Aminobiphenyl	8270C	<	2.0	<	2.0	08-17-07	JHV
1-Chloronaphthalene	8270C	<	2.0	<	2.0	08-17-07	JHV
Dibenz (a,j) acridine	8270C	<	3.0	<	3.0	08-17-07	JHV
p-Dimethylaminoazobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
7,12-Dimethylbenz (a) anthracene	8270C	<	2.0	<	2.0	08-17-07	JHV
Diphenylamine	8270C	<	2.0	<	2.0	08-17-07	JHV
3-Methylcholanthrene	8270C	<	1.0	<	1.0	08-17-07	JHV
1-Naphthylamine	8270C	<	1.0	<	1.0	08-17-07	JHV
2-Naphthylamine	8270C	<	2.0	<	2.0	08-17-07	JHV
N-Nitrosodi-N-butylamine	8270C	<	2.0	<	2.0	08-17-07	JHV
N-Nitrosopiperidine	8270C	<	2.0	<	2.0	08-17-07	JHV
Pentachlorobenzene	8270C	<	2.0	<	2.0	08-17-07	JHV
Pentachloronitrobenzene	8270C	<	1.0	<	1.0	08-17-07	JHV
Phenacetin	8270C	<	1.0	<	1.0	08-17-07	JHV
Pronamide	8270C	<	2.0	<	2.0	08-17-07	JHV
1,2,4,5-Tetrachlorobenzene	8270C	<	2.0	<	2.0	08-17-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-22-07
WATER - 07080253

Parameter	EPA Method	Blank Concentration (ug/L)		Blank Acceptance Criteria (ug/L)		Date Analyzed	Analyst
Benzoic acid	8270C	<	1.0	<	1.0	08-23-07	JHV
4-Chloro-3-methylphenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2-Chlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
p-Cresol	8270C	<	1.0	<	1.0	08-23-07	JHV
o-Cresol	8270C	<	1.0	<	1.0	08-23-07	JHV
Cresols, Total	8270C	<	3.0	<	3.0	08-23-07	JHV
2,4-Dichlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,6-Dichlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,4-Dimethylphenol	8270C	<	1.0	<	1.0	08-23-07	JHV
4,6-Dinitro-2-methylphenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,4-Dinitrophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
Ethyl methanesulfonate	8270C	<	1.0	<	1.0	08-23-07	JHV
Methyl methanesulfonate	8270C	<	1.0	<	1.0	08-23-07	JHV
2-Nitrophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
4-Nitrophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
Pentachlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
Phenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,3,4,6-Tetrachlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,4,5-Trichlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
2,4,6-Trichlorophenol	8270C	<	1.0	<	1.0	08-23-07	JHV
Acenaphthene	8270C	<	1.0	<	1.0	08-23-07	JHV
Acenaphthylene	8270C	<	1.0	<	1.0	08-23-07	JHV
Anthracene	8270C	<	1.0	<	1.0	08-23-07	JHV
Azobenzene	8270C	<	10.0	<	10.0	08-23-07	JHV
Benzo (a) anthracene	8270C	<	1.0	<	1.0	08-23-07	JHV
Benzo (b) fluoranthene	8270C	<	1.0	<	1.0	08-23-07	JHV
Benzo (k) fluoranthene	8270C	<	1.0	<	1.0	08-23-07	JHV
Benzo (g,h,i) perylene	8270C	<	1.0	<	1.0	08-23-07	JHV
Benzo (a) pyrene	8270C	<	1.0	<	1.0	08-23-07	JHV
4-Bromophenyl phenyl ether	8270C	<	1.0	<	1.0	08-23-07	JHV
Butyl benzyl phthalate	8270C	<	1.0	<	1.0	08-23-07	JHV
bis (2-Chloroethoxy) methane	8270C	<	1.0	<	1.0	08-23-07	JHV
bis (2-Chloroethyl) ether	8270C	<	1.0	<	1.0	08-23-07	JHV
bis (2-Chloroisopropyl) ether	8270C	<	1.0	<	1.0	08-23-07	JHV
2-Chloronaphthalene	8270C	<	1.0	<	1.0	08-23-07	JHV
4-Chlorophenyl phenyl ether	8270C	<	1.0	<	1.0	08-23-07	JHV
Chrysene	8270C	<	1.0	<	1.0	08-23-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-22-07
WATER - 07080253

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Dibenz (a,h) anthracene	8270C	< 1.0	< 1.0	08-23-07	JHV
Di-n-butyl phthalate	8270C	< 2.0	< 2.0	08-23-07	JHV
1,2-Dichlorobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
1,3-Dichlorobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
1,4-Dichlorobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
Diethyl phthalate	8270C	< 1.0	< 1.0	08-23-07	JHV
Dimethyl phthalate	8270C	< 1.0	< 1.0	08-23-07	JHV
2,4-Dinitrotoluene	8270C	< 1.0	< 1.0	08-23-07	JHV
2,6-Dinitrotoluene	8270C	< 1.0	< 1.0	08-23-07	JHV
Di-n-octyl phthalate	8270C	< 1.0	< 1.0	08-23-07	JHV
bis (2-Ethylhexyl) phthalate	8270C	< 1.0	< 1.0	08-23-07	JHV
Fluoranthene	8270C	< 1.0	< 1.0	08-23-07	JHV
Fluorene	8270C	< 1.0	< 1.0	08-23-07	JHV
Hexachlorobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
Hexachlorobutadiene	8270C	< 1.0	< 1.0	08-23-07	JHV
Hexachlorocyclopentadiene	8270C	< 1.0	< 1.0	08-23-07	JHV
Hexachloroethane	8270C	< 1.0	< 1.0	08-23-07	JHV
Indeno (1,2,3-cd) pyrene	8270C	< 1.0	< 1.0	08-23-07	JHV
Isophorone	8270C	< 1.0	< 1.0	08-23-07	JHV
Naphthalene	8270C	< 1.0	< 1.0	08-23-07	JHV
Nitrobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
N-Nitrosodimethylamine	8270C	< 2.0	< 2.0	08-23-07	JHV
N-Nitrosodiphenylamine	8270C	< 1.0	< 1.0	08-23-07	JHV
N-Nitrosodi-N-propylamine	8270C	< 2.0	< 2.0	08-23-07	JHV
Phenanthrene	8270C	< 1.0	< 1.0	08-23-07	JHV
Pyrene	8270C	< 1.0	< 1.0	08-23-07	JHV
Pyridine	8270C	< 1.0	< 1.0	08-23-07	JHV
1,2,4-Trichlorobenzene	8270C	< 2.0	< 2.0	08-23-07	JHV
Benzidine	8270C	< 50.0	< 50.0	08-23-07	JHV
3,3-Dichlorobenzidine	8270C	< 4.0	< 4.0	08-23-07	JHV
Aniline	8270C	< 2.0	< 2.0	08-23-07	JHV
Benzyl alcohol	8270C	< 1.0	< 1.0	08-23-07	JHV
4-Chloroaniline	8270C	< 2.0	< 2.0	08-23-07	JHV
Dibenzofuran	8270C	< 2.0	< 2.0	08-23-07	JHV
2-Methylnaphthalene	8270C	< 2.0	< 2.0	08-23-07	JHV
2-Nitroaniline	8270C	< 2.0	< 2.0	08-23-07	JHV
3-Nitroaniline	8270C	< 2.0	< 2.0	08-23-07	JHV

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AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-22-07
WATER - 07080253

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
4-Nitroaniline	8270C	< 2.0	< 2.0	08-23-07	JHV
Acetophenone	8270C	< 2.0	< 2.0	08-23-07	JHV
4-Aminobiphenyl	8270C	< 2.0	< 2.0	08-23-07	JHV
1-Chloronaphthalene	8270C	< 2.0	< 2.0	08-23-07	JHV
Dibenz (a,j) acridine	8270C	< 3.0	< 3.0	08-23-07	JHV
p-Dimethylaminoazobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
7,12-Dimethylbenz (a) anthracene	8270C	< 2.0	< 2.0	08-23-07	JHV
Diphenylamine	8270C	< 2.0	< 2.0	08-23-07	JHV
3-Methylcholanthrene	8270C	< 1.0	< 1.0	08-23-07	JHV
1-Naphthylamine	8270C	< 1.0	< 1.0	08-23-07	JHV
2-Naphthylamine	8270C	< 2.0	< 2.0	08-23-07	JHV
N-Nitrosodi-N-butylamine	8270C	< 2.0	< 2.0	08-23-07	JHV
N-Nitrosopiperidine	8270C	< 2.0	< 2.0	08-23-07	JHV
Pentachlorobenzene	8270C	< 2.0	< 2.0	08-23-07	JHV
Pentachloronitrobenzene	8270C	< 1.0	< 1.0	08-23-07	JHV
Phenacetin	8270C	< 1.0	< 1.0	08-23-07	JHV
Pronamide	8270C	< 2.0	< 2.0	08-23-07	JHV
1,2,4,5-Tetrachlorobenzene	8270C	< 2.0	< 2.0	08-23-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-28-07

SOIL 07080240

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
Benzoic acid	8270C	< 500	< 500	08-29-07	JHV
4-Chloro-3-methylphenol	8270C	< 500	< 500	08-29-07	JHV
2-Chlorophenol	8270C	< 500	< 500	08-29-07	JHV
p-Cresol	8270C	< 500	< 500	08-29-07	JHV
o-Cresol	8270C	< 500	< 500	08-29-07	JHV
Cresols, Total	8270C	< 500	< 500	08-29-07	JHV
2,4-Dichlorophenol	8270C	< 500	< 500	08-29-07	JHV
2,6-Dichlorophenol	8270C	< 500	< 500	08-29-07	JHV
2,4-Dimethylphenol	8270C	< 500	< 500	08-29-07	JHV
4,6-Dinitro-2-methylphenol	8270C	< 500	< 500	08-29-07	JHV
2,4-Dinitrophenol	8270C	< 500	< 500	08-29-07	JHV
Ethyl methanesulfonate	8270C	< 500	< 500	08-29-07	JHV
Methyl methanesulfonate	8270C	< 500	< 500	08-29-07	JHV
2-Nitrophenol	8270C	< 500	< 500	08-29-07	JHV
4-Nitrophenol	8270C	< 500	< 500	08-29-07	JHV
Pentachlorophenol	8270C	< 500	< 500	08-29-07	JHV
Phenol	8270C	< 500	< 500	08-29-07	JHV
2,3,4,6-Tetrachlorophenol	8270C	< 500	< 500	08-29-07	JHV
2,4,5-Trichlorophenol	8270C	< 500	< 500	08-29-07	JHV
2,4,6-Trichlorophenol	8270C	< 500	< 500	08-29-07	JHV
Acenaphthene	8270C	< 500	< 500	08-29-07	JHV
Acenaphthylene	8270C	< 500	< 500	08-29-07	JHV
Anthracene	8270C	< 500	< 500	08-29-07	JHV
Azobenzene	8270C	< 500	< 500	08-29-07	JHV
Benzo (a) anthracene	8270C	< 500	< 500	08-29-07	JHV
Benzo (b) fluoranthene	8270C	< 500	< 500	08-29-07	JHV
Benzo (k) fluoranthene	8270C	< 500	< 500	08-29-07	JHV
Benzo (g,h,i) perylene	8270C	< 500	< 500	08-29-07	JHV
Benzo (a) pyrene	8270C	< 500	< 500	08-29-07	JHV
4-Bromophenyl phenyl ether	8270C	< 500	< 500	08-29-07	JHV
Butyl benzyl phthalate	8270C	< 500	< 500	08-29-07	JHV
bis (2-Chloroethoxy) methane	8270C	< 500	< 500	08-29-07	JHV
bis (2-Chloroethyl) ether	8270C	< 500	< 500	08-29-07	JHV
bis (2-Chloroisopropyl) ether	8270C	< 500	< 500	08-29-07	JHV
2-Chloronaphthalene	8270C	< 500	< 500	08-29-07	JHV
4-Chlorophenyl phenyl ether	8270C	< 500	< 500	08-29-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-28-07

SOIL 07080240

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
Chrysene	8270C	<	500	<	500	08-29-07	JHV
Dibenz (a,h) anthracene	8270C	<	500	<	500	08-29-07	JHV
Di-n-butyl phthalate	8270C	<	500	<	500	08-29-07	JHV
1,2-Dichlorobenzene	8270C	<	500	<	500	08-29-07	JHV
1,3-Dichlorobenzene	8270C	<	500	<	500	08-29-07	JHV
1,4-Dichlorobenzene	8270C	<	500	<	500	08-29-07	JHV
Diethyl phthalate	8270C	<	500	<	500	08-29-07	JHV
Dimethyl phthalate	8270C	<	500	<	500	08-29-07	JHV
2,4-Dinitrotoluene	8270C	<	500	<	500	08-29-07	JHV
2,6-Dinitrotoluene	8270C	<	500	<	500	08-29-07	JHV
Di-n-octyl phthalate	8270C	<	500	<	500	08-29-07	JHV
bis (2-Ethylhexyl) phthalate	8270C	<	500	<	500	08-29-07	JHV
Fluoranthene	8270C	<	500	<	500	08-29-07	JHV
Fluorene	8270C	<	500	<	500	08-29-07	JHV
Hexachlorobenzene	8270C	<	500	<	500	08-29-07	JHV
Hexachlorobutadiene	8270C	<	500	<	500	08-29-07	JHV
Hexachlorocyclopentadiene	8270C	<	500	<	500	08-29-07	JHV
Hexachloroethane	8270C	<	500	<	500	08-29-07	JHV
Indeno (1,2,3-cd) pyrene	8270C	<	500	<	500	08-29-07	JHV
Isophorone	8270C	<	500	<	500	08-29-07	JHV
Naphthalene	8270C	<	500	<	500	08-29-07	JHV
Nitrobenzene	8270C	<	500	<	500	08-29-07	JHV
N-Nitrosodimethylamine	8270C	<	500	<	500	08-29-07	JHV
N-Nitrosodiphenylamine	8270C	<	500	<	500	08-29-07	JHV
N-Nitrosodi-N-propylamine	8270C	<	500	<	500	08-29-07	JHV
Phenanthrene	8270C	<	500	<	500	08-29-07	JHV
Pyrene	8270C	<	500	<	500	08-29-07	JHV
Pyridine	8270C	<	500	<	500	08-29-07	JHV
1,2,4-Trichlorobenzene	8270C	<	500	<	500	08-29-07	JHV
Benzidine	8270C	<	500	<	500	08-29-07	JHV
3,3-Dichlorobenzidine	8270C	<	500	<	500	08-29-07	JHV
Aniline	8270C	<	500	<	500	08-29-07	JHV
Benzyl alcohol	8270C	<	500	<	500	08-29-07	JHV
4-Chloroaniline	8270C	<	500	<	500	08-29-07	JHV
Dibenzofuran	8270C	<	500	<	500	08-29-07	JHV
2-Methylnaphthalene	8270C	<	500	<	500	08-29-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-28-07

SOIL 07080240

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
2-Nitroaniline	8270C	<	500	<	500	08-29-07	JHV
3-Nitroaniline	8270C	<	500	<	500	08-29-07	JHV
4-Nitroaniline	8270C	<	500	<	500	08-29-07	JHV
Acetophenone	8270C	<	500	<	500	08-29-07	JHV
4-Aminobiphenyl	8270C	<	500	<	500	08-29-07	JHV
1-Chloronaphthalene	8270C	<	500	<	500	08-29-07	JHV
Dibenz (a,j) acridine	8270C	<	500	<	500	08-29-07	JHV
p-Dimethylaminoazobenzene	8270C	<	500	<	500	08-29-07	JHV
7,12-Dimethylbenz (a) anthracene	8270C	<	500	<	500	08-29-07	JHV
Diphenylamine	8270C	<	500	<	500	08-29-07	JHV
3-Methylcholanthrene	8270C	<	500	<	500	08-29-07	JHV
1-Naphthylamine	8270C	<	500	<	500	08-29-07	JHV
2-Naphthylamine	8270C	<	500	<	500	08-29-07	JHV
N-Nitrosodi-N-butylamine	8270C	<	500	<	500	08-29-07	JHV
N-Nitrosopiperidine	8270C	<	500	<	500	08-29-07	JHV
Pentachlorobenzene	8270C	<	500	<	500	08-29-07	JHV
Pentachloronitrobenzene	8270C	<	500	<	500	08-29-07	JHV
Phenacetin	8270C	<	500	<	500	08-29-07	JHV
Pronamide	8270C	<	500	<	500	08-29-07	JHV
1,2,4,5-Tetrachlorobenzene	8270C	<	500	<	500	08-29-07	JHV

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-20-07

SOIL 07080253

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
Benzoic acid	8270C	<	500	<	500	08-21-07	JHV
4-Chloro-3-methylphenol	8270C	<	500	<	500	08-21-07	JHV
2-Chlorophenol	8270C	<	500	<	500	08-21-07	JHV
p-Cresol	8270C	<	500	<	500	08-21-07	JHV
o-Cresol	8270C	<	500	<	500	08-21-07	JHV
Cresols, Total	8270C	<	500	<	500	08-21-07	JHV
2,4-Dichlorophenol	8270C	<	500	<	500	08-21-07	JHV
2,6-Dichlorophenol	8270C	<	500	<	500	08-21-07	JHV
2,4-Dimethylphenol	8270C	<	500	<	500	08-21-07	JHV
4,6-Dinitro-2-methylphenol	8270C	<	500	<	500	08-21-07	JHV
2,4-Dinitrophenol	8270C	<	500	<	500	08-21-07	JHV
Ethyl methanesulfonate	8270C	<	500	<	500	08-21-07	JHV
Methyl methanesulfonate	8270C	<	500	<	500	08-21-07	JHV
2-Nitrophenol	8270C	<	500	<	500	08-21-07	JHV
4-Nitrophenol	8270C	<	500	<	500	08-21-07	JHV
Pentachlorophenol	8270C	<	500	<	500	08-21-07	JHV
Phenol	8270C	<	500	<	500	08-21-07	JHV
2,3,4,6-Tetrachlorophenol	8270C	<	500	<	500	08-21-07	JHV
2,4,5-Trichlorophenol	8270C	<	500	<	500	08-21-07	JHV
2,4,6-Trichlorophenol	8270C	<	500	<	500	08-21-07	JHV
Acenaphthene	8270C	<	500	<	500	08-21-07	JHV
Acenaphthylene	8270C	<	500	<	500	08-21-07	JHV
Anthracene	8270C	<	500	<	500	08-21-07	JHV
Azobenzene	8270C	<	500	<	500	08-21-07	JHV
Benzo (a) anthracene	8270C	<	500	<	500	08-21-07	JHV
Benzo (b) fluoranthene	8270C	<	500	<	500	08-21-07	JHV
Benzo (k) fluoranthene	8270C	<	500	<	500	08-21-07	JHV
Benzo (g,h,i) perylene	8270C	<	500	<	500	08-21-07	JHV
Benzo (a) pyrene	8270C	<	500	<	500	08-21-07	JHV
4-Bromophenyl phenyl ether	8270C	<	500	<	500	08-21-07	JHV
Butyl benzyl phthalate	8270C	<	500	<	500	08-21-07	JHV
bis (2-Chloroethoxy) methane	8270C	<	500	<	500	08-21-07	JHV
bis (2-Chloroethyl) ether	8270C	<	500	<	500	08-21-07	JHV
bis (2-Chloroisopropyl) ether	8270C	<	500	<	500	08-21-07	JHV
2-Chloronaphthalene	8270C	<	500	<	500	08-21-07	JHV

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AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-20-07

SOIL 07080253

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
4-Chlorophenyl phenyl ether	8270C	<	500	<	500	08-21-07	JHV
Chrysene	8270C	<	500	<	500	08-21-07	JHV
Dibenz (a,h) anthracene	8270C	<	500	<	500	08-21-07	JHV
Di-n-butyl phthalate	8270C	<	500	<	500	08-21-07	JHV
1,2-Dichlorobenzene	8270C	<	500	<	500	08-21-07	JHV
1,3-Dichlorobenzene	8270C	<	500	<	500	08-21-07	JHV
1,4-Dichlorobenzene	8270C	<	500	<	500	08-21-07	JHV
Diethyl phthalate	8270C	<	500	<	500	08-21-07	JHV
Dimethyl phthalate	8270C	<	500	<	500	08-21-07	JHV
2,4-Dinitrotoluene	8270C	<	500	<	500	08-21-07	JHV
2,6-Dinitrotoluene	8270C	<	500	<	500	08-21-07	JHV
Di-n-octyl phthalate	8270C	<	500	<	500	08-21-07	JHV
bis (2-Ethylhexyl) phthalate	8270C	<	500	<	500	08-21-07	JHV
Fluoranthene	8270C	<	500	<	500	08-21-07	JHV
Fluorene	8270C	<	500	<	500	08-21-07	JHV
Hexachlorobenzene	8270C	<	500	<	500	08-21-07	JHV
Hexachlorobutadiene	8270C	<	500	<	500	08-21-07	JHV
Hexachlorocyclopentadiene	8270C	<	500	<	500	08-21-07	JHV
Hexachloroethane	8270C	<	500	<	500	08-21-07	JHV
Indeno (1,2,3-cd) pyrene	8270C	<	500	<	500	08-21-07	JHV
Isophorone	8270C	<	500	<	500	08-21-07	JHV
Naphthalene	8270C	<	500	<	500	08-21-07	JHV
Nitrobenzene	8270C	<	500	<	500	08-21-07	JHV
N-Nitrosodimethylamine	8270C	<	500	<	500	08-21-07	JHV
N-Nitrosodiphenylamine	8270C	<	500	<	500	08-21-07	JHV
N-Nitrosodi-N-propylamine	8270C	<	500	<	500	08-21-07	JHV
Phenanthrene	8270C	<	500	<	500	08-21-07	JHV
Pyrene	8270C	<	500	<	500	08-21-07	JHV
Pyridine	8270C	<	500	<	500	08-21-07	JHV
1,2,4-Trichlorobenzene	8270C	<	500	<	500	08-21-07	JHV
Benzidine	8270C	<	500	<	500	08-21-07	JHV
3,3-Dichlorobenzidine	8270C	<	500	<	500	08-21-07	JHV
Aniline	8270C	<	500	<	500	08-21-07	JHV
Benzyl alcohol	8270C	<	500	<	500	08-21-07	JHV
4-Chloroaniline	8270C	<	500	<	500	08-21-07	JHV

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METHOD REAGENT BLANK Extracted 08-20-07

SOIL 07080253

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
Dibenzofuran	8270C	<	500	<	500	08-21-07	JHV
2-Methylnaphthalene	8270C	<	500	<	500	08-21-07	JHV
2-Nitroaniline	8270C	<	500	<	500	08-21-07	JHV
3-Nitroaniline	8270C	<	500	<	500	08-21-07	JHV
4-Nitroaniline	8270C	<	500	<	500	08-21-07	JHV
Acetophenone	8270C	<	500	<	500	08-21-07	JHV
4-Aminobiphenyl	8270C	<	500	<	500	08-21-07	JHV
1-Chloronaphthalene	8270C	<	500	<	500	08-21-07	JHV
Dibenz (a,j) acridine	8270C	<	500	<	500	08-21-07	JHV
p-Dimethylaminoazobenzene	8270C	<	500	<	500	08-21-07	JHV
7,12-Dimethylbenz (a) anthracene	8270C	<	500	<	500	08-21-07	JHV
Diphenylamine	8270C	<	500	<	500	08-21-07	JHV
3-Methylcholanthrene	8270C	<	500	<	500	08-21-07	JHV
1-Naphthylamine	8270C	<	500	<	500	08-21-07	JHV
2-Naphthylamine	8270C	<	500	<	500	08-21-07	JHV
N-Nitrosodi-N-butylamine	8270C	<	500	<	500	08-21-07	JHV
N-Nitrosopiperidine	8270C	<	500	<	500	08-21-07	JHV
Pentachlorobenzene	8270C	<	500	<	500	08-21-07	JHV
Pentachloronitrobenzene	8270C	<	500	<	500	08-21-07	JHV
Phenacetin	8270C	<	500	<	500	08-21-07	JHV
Pronamide	8270C	<	500	<	500	08-21-07	JHV
1,2,4,5-Tetrachlorobenzene	8270C	<	500	<	500	08-21-07	JHV

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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -Extracted 08-17-07

Water

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	30	30	31	31	5	112	3	30	08-17-07	JHV
2-Chlorophenol	100	66	66	67	67	23	134	2	30	08-17-07	JHV
1,4-Dichlorobenzene	50	29	58	29	58	20	124	0	30	08-17-07	JHV
N-nitroso-di-n-propylamine	50	34	68	34	68	1	230	0	30	08-17-07	JHV
1,2,4-Trichlorobenzene	50	33	66	32	64	44	142	3	30	08-17-07	JHV
4-Chloro-3-methylphenol	100	74	74	76	76	22	147	3	30	08-17-07	JHV
Acenaphthene	50	35	70	35	70	47	145	0	30	08-17-07	JHV
2,4-Dinitrotoluene	50	36	72	39	78	39	139	8	30	08-17-07	JHV
4-Nitrophenol	100	24	24	31	31	1	132	25	30	08-17-07	JHV
Pentachlorophenol	100	79	79	86	86	14	176	8	30	08-17-07	JHV
Pyrene	50	38	76	36	72	52	115	5	30	08-17-07	JHV

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -Extracted 08-28-07

Soil

Compound	Spike Conc (ug/kg)	LCS Result (ug/kg)	LCS % Rec	LCS Duplicate Result (ug/kg)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	50	50	49	49	5	112	2	30	08-29-07	JHV
2-Chlorophenol	100	61	61	58	58	23	134	5	30	08-29-07	JHV
1,4-Dichlorobenzene	50	30	60	28	56	20	124	7	30	08-29-07	JHV
N-nitroso-di-n-propylamine	50	32	64	30	60	1	230	6	30	08-29-07	JHV
1,2,4-Trichlorobenzene	50	36	72	33	66	44	142	9	30	08-29-07	JHV
4-Chloro-3-methylphenol	100	71	71	64	64	22	147	10	30	08-29-07	JHV
Acenaphthene	50	33	66	30	60	47	145	10	30	08-29-07	JHV
2,4-Dinitrotoluene	50	38	76	34	68	39	139	11	30	08-29-07	JHV
4-Nitrophenol	100	78	78	69	69	1	132	12	30	08-29-07	JHV
Pentachlorophenol	100	91	91	80	80	14	176	13	30	08-29-07	JHV
Pyrene	50	34	68	31	62	52	115	9	30	08-29-07	JHV

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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -Extracted 08-22-07

Water

Compound	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	30	30	28	28	5	112	7	30	08-23-07	JHV
2-Chlorophenol	100	68	68	64	64	23	134	6	30	08-23-07	JHV
1,4-Dichlorobenzene	50	30	60	29	58	20	124	3	30	08-23-07	JHV
N-nitroso-di-n-propylamine	50	36	72	35	70	1	230	3	30	08-23-07	JHV
1,2,4-Trichlorobenzene	50	35	70	34	68	44	142	3	30	08-23-07	JHV
4-Chloro-3-methylphenol	100	74	74	75	75	22	147	1	30	08-23-07	JHV
Acenaphthene	50	35	70	34	68	47	145	3	30	08-23-07	JHV
2,4-Dinitrotoluene	50	37	74	38	76	39	139	3	30	08-23-07	JHV
4-Nitrophenol	100	31	31	33	33	1	132	6	30	08-23-07	JHV
Pentachlorophenol	100	95	95	101	101	14	176	6	30	08-23-07	JHV
Pyrene	50	37	74	38	76	52	115	3	30	08-23-07	JHV

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -Extracted 08-20-07

Soil

Compound	Spike Conc (ug/kg)	LCS Result (ug/kg)	LCS % Rec	LCS Duplicate Result (ug/kg)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	70	70	53	53	5	112	28	30	08-21-07	JHV
2-Chlorophenol	100	70	70	52	52	23	134	30	30	08-21-07	JHV
1,4-Dichlorobenzene	50	32	64	24	48	20	124	29	30	08-21-07	JHV
N-nitroso-di-n-propylamine	50	35	70	26	52	1	230	30	30	08-21-07	JHV
1,2,4-Trichlorobenzene	50	35	70	26	52	44	142	30	30	08-21-07	JHV
4-Chloro-3-methylphenol	100	80	80	60	60	22	147	29	30	08-21-07	JHV
Acenaphthene	50	36	72	27	54	47	145	29	30	08-21-07	JHV
2,4-Dinitrotoluene	50	41	82	32	64	39	139	25	30	08-21-07	JHV
4-Nitrophenol	100	73	73	59	59	1	132	21	30	08-21-07	JHV
Pentachlorophenol	100	87	87	69	69	14	176	23	30	08-21-07	JHV
Pyrene	50	37	74	29	58	52	115	24	30	08-21-07	JHV

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BATCH MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080182-001

Water

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	0.2	34	34	34	34	5	112	0	30	08-17-07	JHV
2-Chlorophenol	100	0.2	62	62	60	60	23	134	3	30	08-17-07	JHV
1,4-Dichlorobenzene	50	0.1	27	54	25	50	20	124	8	30	08-17-07	JHV
N-nitroso-di-n-propylamine	50	0	32	64	30	60	1	230	6	30	08-17-07	JHV
1,2,4-Trichlorobenzene	50	0.1	30	60	28	56	44	142	7	30	08-17-07	JHV
4-Chloro-3-methylphenol	100	0.3	70	70	70	70	22	147	0	30	08-17-07	JHV
Acenaphthene	50	0.1	32	64	31	62	47	145	3	30	08-17-07	JHV
2,4-Dinitrotoluene	50	0	34	68	36	72	39	139	6	30	08-17-07	JHV
4-Nitrophenol	100	0	29	29	33	33	1	132	13	30	08-17-07	JHV
Pentachlorophenol	100	0	82	82	81	81	14	176	1	30	08-17-07	JHV
Pyrene	50	0	36	72	34	68	52	115	6	30	08-17-07	JHV

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080240-004

Soil

Compound	Spike Conc (ug/kg)	Sample Result (ug/kg)	Matrix Spike Result (ug/kg)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/kg)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	0.1	46	46	48	48	5	112	4	30	08-29-07	JHV
2-Chlorophenol	100	0	55	55	57	57	23	134	4	30	08-29-07	JHV
1,4-Dichlorobenzene	50	0	26	52	27	54	20	124	4	30	08-29-07	JHV
N-nitroso-di-n-propylamine	50	0.1	29	58	30	60	1	230	3	30	08-29-07	JHV
1,2,4-Trichlorobenzene	50	0	31	62	33	66	44	142	6	30	08-29-07	JHV
4-Chloro-3-methylphenol	100	0	64	64	68	68	22	147	6	30	08-29-07	JHV
Acenaphthene	50	0	28	56	30	60	47	145	7	30	08-29-07	JHV
2,4-Dinitrotoluene	50	0	30	60	34	68	39	139	13	30	08-29-07	JHV
4-Nitrophenol	100	0	62	62	73	73	1	132	16	30	08-29-07	JHV
Pentachlorophenol	100	0	81	81	94	94	14	176	15	30	08-29-07	JHV
Pyrene	50	0.1	31	62	32	64	52	115	3	30	08-29-07	JHV

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080265-004

Water

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	0.1	28	28	28	28	5	112	0	30	08-23-07	JHV
2-Chlorophenol	100	0	61	61	59	59	23	134	3	30	08-23-07	JHV
1,4-Dichlorobenzene	50	0	26	52	26	52	20	124	0	30	08-23-07	JHV
N-nitroso-di-n-propylamine	50	0	31	62	30	60	1	230	3	30	08-23-07	JHV
1,2,4-Trichlorobenzene	50	0	31	62	31	62	44	142	0	30	08-23-07	JHV
4-Chloro-3-methylphenol	100	0	69	69	67	67	22	147	3	30	08-23-07	JHV
Acenaphthene	50	0	32	64	31	62	47	145	3	30	08-23-07	JHV
2,4-Dinitrotoluene	50	0	34	68	33	66	39	139	3	30	08-23-07	JHV
4-Nitrophenol	100	0	29	29	30	30	1	132	3	30	08-23-07	JHV
Pentachlorophenol	100	0	89	89	87	87	14	176	2	30	08-23-07	JHV
Pyrene	50	0	31	62	32	64	52	115	3	30	08-23-07	JHV

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080218-007

Soil

Compound	Spike Conc (ug/kg)	Sample Result (ug/kg)	Matrix Spike Result (ug/kg)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/kg)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Phenol	100	0	64	64		N/A	5	112	N/A	30	08-21-07	JHV
2-Chlorophenol	100	0	64	64		N/A	23	134	N/A	30	08-21-07	JHV
1,4-Dichlorobenzene	50	0	28	56		N/A	20	124	N/A	30	08-21-07	JHV
N-nitroso-di-n-propylamine	50	0	32	64		N/A	1	230	N/A	30	08-21-07	JHV
1,2,4-Trichlorobenzene	50	0	32	64		N/A	44	142	N/A	30	08-21-07	JHV
4-Chloro-3-methylphenol	100	0	72	72		N/A	22	147	N/A	30	08-21-07	JHV
Acenaphthene	50	0.1	34	68		N/A	47	145	N/A	30	08-21-07	JHV
2,4-Dinitrotoluene	50	0	36	72		N/A	39	139	N/A	30	08-21-07	JHV
4-Nitrophenol	100	0	64	64		N/A	1	132	N/A	30	08-21-07	JHV
Pentachlorophenol	100	0	82	82		N/A	14	176	N/A	30	08-21-07	JHV
Pyrene	50	0.4	38	75		N/A	52	115	N/A *	30	08-21-07	JHV

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SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
Method Blank	2-Fluorophenol	8270C	4.83	922923	48	21	100	08-17-07	JHV
07081705.D	Phenol-d6		5.82	829046	38	10	94		
	Nitrobenzene-d5		7.18	709344	73	35	114		
	2-Fluorobiphenyl		10.40	1472096	81	43	115		
	2,4,6-Tribromophenol		13.32	406157	76	10	123		
	p-Terphenyl-d14		17.68	1203599	81	33	141		
LCS	2-Fluorophenol	8270C	4.83	837468	42	21	100	08-17-07	JHV
07081706.D	Phenol-d6		5.82	697235	31	10	94		
	Nitrobenzene-d5		7.18	720371	73	35	114		
	2-Fluorobiphenyl		10.40	1509751	81	43	115		
	2,4,6-Tribromophenol		13.32	392173	78	10	123		
	p-Terphenyl-d14		17.68	1074367	87	33	141		
LCSD	2-Fluorophenol	8270C	4.83	745690	42	21	100	08-17-07	JHV
07081707.D	Phenol-d6		5.82	635695	32	10	94		
	Nitrobenzene-d5		7.18	623077	71	35	114		
	2-Fluorobiphenyl		10.40	1329012	79	43	115		
	2,4,6-Tribromophenol		13.32	370659	76	10	123		
	p-Terphenyl-d14		17.68	1126431	83	33	141		
07080182-001	2-Fluorophenol	8270C	4.83	812524	44	21	100	08-17-07	JHV
07081708.D	Phenol-d6		5.82	715492	35	10	94		
	Nitrobenzene-d5		7.18	640550	70	35	114		
	2-Fluorobiphenyl		10.40	1304738	76	43	115		
	2,4,6-Tribromophenol		13.32	340367	73	10	123		
	p-Terphenyl-d14		17.68	1098076	86	33	141		
07080182-001 MS	2-Fluorophenol	8270C	4.83	806975	40	21	100	08-17-07	JHV
07081709.D	Phenol-d6		5.82	784408	35	10	94		
	Nitrobenzene-d5		7.18	652001	65	35	114		
	2-Fluorobiphenyl		10.40	1384814	73	43	115		
	2,4,6-Tribromophenol		13.32	370549	73	10	123		
	p-Terphenyl-d14		17.68	1079917	83	33	141		
07080182-001 MSD	2-Fluorophenol	8270C	4.83	830684	41	21	100	08-17-07	JHV
07081710.D	Phenol-d6		5.82	786191	35	10	94		
	Nitrobenzene-d5		7.18	643272	64	35	114		
	2-Fluorobiphenyl		10.40	1352962	69	43	115		
	2,4,6-Tribromophenol		13.32	387414	71	10	123		
	p-Terphenyl-d14		17.68	1125776	75	33	141		

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AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
07080240-001	2-Fluorophenol	8270C	4.83	771036	39	21	100	08-17-07	JHV
07081712.D	Phenol-d6		5.82	671205	30	10	94		
	Nitrobenzene-d5		7.18	667128	68	35	114		
	2-Fluorobiphenyl		10.40	1420198	75	43	115		
	2,4,6-Tribromophenol		13.32	380799	72	10	123		
	p-Terphenyl-d14		17.68	1109916	77	33	141		
07080240-002	2-Fluorophenol	8270C	4.15	1950005	53	21	100	08-29-07	JHV
07082916.D	Phenol-d6		5.14	2472003	57	10	94		
	Nitrobenzene-d5		6.29	1046552	59	35	114		
	2-Fluorobiphenyl		9.38	2286084	60	43	115		
	2,4,6-Tribromophenol		12.22	959230	77	10	123		
	p-Terphenyl-d14		16.79	2248526	71	33	141		
07080240-003	2-Fluorophenol	8270C	4.15	1911938	50	21	100	08-29-07	JHV
07082917.D	Phenol-d6		5.14	2388882	53	10	94		
	Nitrobenzene-d5		6.29	1039886	56	35	114		
	2-Fluorobiphenyl		9.38	2231500	56	43	115		
	2,4,6-Tribromophenol		12.22	895222	69	10	123		
	p-Terphenyl-d14		16.78	2088692	65	33	141		
07080240-004	2-Fluorophenol	8270C	4.15	2346887	61	21	100	08-29-07	JHV
07082918.D	Phenol-d6		5.15	2862779	63	10	94		
	Nitrobenzene-d5		6.29	1264845	68	35	114		
	2-Fluorobiphenyl		9.38	2733823	68	43	115		
	2,4,6-Tribromophenol		12.23	1151764	86	10	123		
	p-Terphenyl-d14		16.79	2600246	76	33	141		
07080240-004 MS	2-Fluorophenol	8270C	4.15	2178001	54	21	100	08-29-07	JHV
07082919.D	Phenol-d6		5.15	2660200	57	10	94		
	Nitrobenzene-d5		6.29	1199087	62	35	114		
	2-Fluorobiphenyl		9.38	2476846	58	43	115		
	2,4,6-Tribromophenol		12.23	1042819	75	10	123		
	p-Terphenyl-d14		16.79	2217677	67	33	141		
07080240-004 MSD	2-Fluorophenol	8270C	4.15	2200995	57	21	100	08-29-07	JHV
07082920.D	Phenol-d6		5.15	2683803	60	10	94		
	Nitrobenzene-d5		6.29	1191959	64	35	114		
	2-Fluorobiphenyl		9.38	2507282	63	43	115		
	2,4,6-Tribromophenol		12.23	1098274	83	10	123		
	p-Terphenyl-d14		16.79	2513212	72	33	141		

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SEMI-VOLATILE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
07080240-005	2-Fluorophenol	8270C	4.15	1435164	37	21	100	08-29-07	JHV
07082921.D	Phenol-d6		5.14	1857459	41	10	94		
	Nitrobenzene-d5		6.29	776523	42	35	114		
	2-Fluorobiphenyl		9.38	1685476	43	43	115		
	2,4,6-Tribromophenol		12.22	813576	62	10	123		
	p-Terphenyl-d14		16.78	2080517	58	33	141		
Method Blank	2-Fluorophenol	8270C	4.83	1301297	64	21	100	08-21-07	JHV
07082105.D	Phenol-d6		5.82	1672651	74	10	94		
	Nitrobenzene-d5		7.18	719256	71	35	114		
	2-Fluorobiphenyl		10.4	1566755	83	43	115		
	2,4,6-Tribromophenol		13.32	409271	75	10	123		
	p-Terphenyl-d14		17.68	1246368	79	33	141		
LCS	2-Fluorophenol	8270C	4.83	1350215	68	21	100	08-21-07	JHV
07082106.D	Phenol-d6		5.84	1719778	78	10	94		
	Nitrobenzene-d5		7.18	746933	76	35	114		
	2-Fluorobiphenyl		10.4	1627123	86	43	115		
	2,4,6-Tribromophenol		13.32	434868	81	10	123		
	p-Terphenyl-d14		17.68	1223342	81	33	141		
LCSD	2-Fluorophenol	8270C	4.83	966967	49	21	100	08-21-07	JHV
07082107.D	Phenol-d6		5.83	1252976	56	10	94		
	Nitrobenzene-d5		7.18	530865	53	35	114		
	2-Fluorobiphenyl		10.4	1168688	59	43	115		
	2,4,6-Tribromophenol		13.32	341322	61	10	123		
	p-Terphenyl-d14		17.68	1026586	65	33	141		
07080218-007	2-Fluorophenol	8270C	4.83	547747	28	21	100	08-21-07	JHV
07082114.D	Phenol-d6		5.82	747419	34	10	94		
	Nitrobenzene-d5		7.17	311982	32	35	114		
	2-Fluorobiphenyl		10.4	752350	37	43	115		
	2,4,6-Tribromophenol		13.31	202233	39	10	123		
	p-Terphenyl-d14		17.68	616807	47	33	141		
07080218-007 MS	2-Fluorophenol	8270C	4.83	548883	29	21	100	08-21-07	JHV
07082115.D	Phenol-d6		5.82	729804	34	10	94		
	Nitrobenzene-d5		7.18	312600	33	35	114		
	2-Fluorobiphenyl		10.4	733014	36	43	115		
	2,4,6-Tribromophenol		13.31	196359	37	10	123		
	p-Terphenyl-d14		17.68	573615	44	33	141		

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SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
07080253-002	2-Fluorophenol	8270C	4.83	1078849	51	21	100	08-21-07	JHV
07082117.D	Phenol-d6		5.82	1534403	64	10	94		
	Nitrobenzene-d5		7.18	636296	60	35	114		
	2-Fluorobiphenyl		10.4	1388663	67	43	115		
	2,4,6-Tribromophenol		13.32	368308	64	10	123		
	p-Terphenyl-d14		17.68	1010296	69	33	141		
07080253-003	2-Fluorophenol	8270C	4.83	1182248	54	21	100	08-21-07	JHV
07082118.D	Phenol-d6		5.82	1651134	67	10	94		
	Nitrobenzene-d5		7.18	696167	64	35	114		
	2-Fluorobiphenyl		10.4	1485730	71	43	115		
	2,4,6-Tribromophenol		13.32	383439	68	10	123		
	p-Terphenyl-d14		17.68	1016108	81	33	141		
07080253-004	2-Fluorophenol	8270C	4.83	1068984	50	21	100	08-21-07	JHV
07082119.D	Phenol-d6		5.82	1384124	58	10	94		
	Nitrobenzene-d5		7.18	578401	54	35	114		
	2-Fluorobiphenyl		10.4	1283138	61	43	115		
	2,4,6-Tribromophenol		13.32	387360	67	10	123		
	p-Terphenyl-d14		17.68	1101103	73	33	141		
Method Blank	2-Fluorophenol	8270C	4.2	1411938	48	21	100	08-23-07	JHV
07082305.D	Phenol-d6		5.2	1191882	34	10	94		
	Nitrobenzene-d5		6.35	1144024	80	35	114		
	2-Fluorobiphenyl		9.46	2435075	78	43	115		
	2,4,6-Tribromophenol		12.31	1041919	96	10	123		
	p-Terphenyl-d14		16.86	2773581	90	33	141		
LCS	2-Fluorophenol	8270C	4.2	1314742	47	21	100	08-23-07	JHV
07082306.D	Phenol-d6		5.2	1111388	34	10	94		
	Nitrobenzene-d5		6.36	995610	74	35	114		
	2-Fluorobiphenyl		9.46	2185890	74	43	115		
	2,4,6-Tribromophenol		12.31	925794	93	10	123		
	p-Terphenyl-d14		16.86	2321157	88	33	141		
LCSD	2-Fluorophenol	8270C	4.2	1264357	41	21	100	08-23-07	JHV
07082307.D	Phenol-d6		5.2	1161388	32	10	94		
	Nitrobenzene-d5		6.35	1081374	72	35	114		
	2-Fluorobiphenyl		9.46	2419950	72	43	115		
	2,4,6-Tribromophenol		12.31	1086187	94	10	123		
	p-Terphenyl-d14		16.86	2552556	88	33	141		

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SURROGATE RECOVERY

Sample ID	Surrogate	Method	RT	Response	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
07080253-001	2-Fluorophenol	8270C	4.2	1172483	39	21	100	08-23-07	JHV
07082308.D	Phenol-d6		5.19	1116059	31	10	94		
	Nitrobenzene-d5		6.35	1030601	70	35	114		
	2-Fluorobiphenyl		9.46	2221060	71	43	115		
	2,4,6-Tribromophenol		12.31	892941	86	10	123		
	p-Terphenyl-d14		16.86	2273450	87	33	141		

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QC DATA PACKAGE

PESTICIDE/PCB ANALYSIS

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PESTICIDE/PCB ANALYSIS
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DDT Breakdown Analysis 08-21-07

Detector	Instr	Peak Areas			% Breakdown	Acceptance Limits	PASS/FAIL	Date Analyzed	Analyst
		DDE	DDD	DDT					
ECD1A	ECD01	2.6	57	1231	4.62	< 15% Degradation	PASS	08-21-07	RMW
ECD2B	ECD01	3.5	87	2073	4.18	< 15% Degradation	PASS	08-21-07	RMW

Endrin Breakdown Analysis 08-21-07

Detector	Instr	Peak Areas			% Breakdown	Acceptance Limits	PASS/FAIL	Date Analyzed	Analyst
		E. ALD	E. KET	ENDRIN					
ECD1A	ECD01	13.1	41	627	7.94	< 15% Degradation	PASS	08-21-07	RMW
ECD2B	ECD01	19	83.8	1086	8.65	< 15% Degradation	PASS	08-21-07	RMW

DDT Breakdown Analysis 08-22-07

Detector	Instr	Peak Areas			% Breakdown	Acceptance Limits	PASS/FAIL	Date Analyzed	Analyst
		DDE	DDD	DDT					
ECD1A	ECD01	3.0	72.3	1237	5.74	< 15% Degradation	PASS	08-22-07	RMW
ECD2B	ECD01	3.6	117	2005	5.67	< 15% Degradation	PASS	08-22-07	RMW

Endrin Breakdown Analysis 08-22-07

Detector	Instr	Peak Areas			% Breakdown	Acceptance Limits	PASS/FAIL	Date Analyzed	Analyst
		E. ALD	E. KET	ENDRIN					
ECD1A	ECD01	15.8	51.6	661	9.25	< 15% Degradation	PASS	08-22-07	RMW
ECD2B	ECD01	23.1	94.1	1104	9.60	< 15% Degradation	PASS	08-22-07	RMW

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METHOD REAGENT BLANK Extracted 08-21-07

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Aldrin	8081A	< 0.005	< 0.005	08-21-07	RMW
alpha-BHC	8081A	< 0.005	< 0.005	08-21-07	RMW
beta-BHC	8081A	< 0.005	< 0.005	08-21-07	RMW
delta-BHC	8081A	< 0.012	< 0.012	08-21-07	RMW
gamma-BHC	8081A	< 0.005	< 0.005	08-21-07	RMW
Chlordane	8081A	< 0.10	< 0.10	08-21-07	RMW
4,4'-DDD	8081A	< 0.005	< 0.005	08-21-07	RMW
4,4'-DDE	8081A	< 0.005	< 0.005	08-21-07	RMW
4,4'-DDT	8081A	< 0.005	< 0.005	08-21-07	RMW
Dieldrin	8081A	< 0.005	< 0.005	08-21-07	RMW
Endosulfan I	8081A	< 0.005	< 0.005	08-21-07	RMW
Endosulfan II	8081A	< 0.005	< 0.005	08-21-07	RMW
Endosulfan sulfate	8081A	< 0.005	< 0.005	08-21-07	RMW
Endrin	8081A	< 0.005	< 0.005	08-21-07	RMW
Endrin aldehyde	8081A	< 0.010	< 0.010	08-21-07	RMW
Heptachlor	8081A	< 0.005	< 0.005	08-21-07	RMW
Heptachlor epoxide	8081A	< 0.005	< 0.005	08-21-07	RMW
Methoxychlor	8081A	< 0.010	< 0.010	08-21-07	RMW
Toxaphene	8081A	< 0.25	< 0.25	08-21-07	RMW
PCB's	8082	< 0.2	< 0.2	08-21-07	RMW

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METHOD REAGENT BLANK Extracted 08-22-07

Parameter	EPA Method	Blank Concentration (ug/kg)		Blank Acceptance Criteria (ug/kg)		Date Analyzed	Analyst
4,4-DDD	8081A	<	6	<	6	08-22-07	RMW
4,4-DDE	8081A	<	4	<	4	08-22-07	RMW
4,4-DDT	8081A	<	4	<	4	08-22-07	RMW
Aldrin	8081A	<	2	<	2	08-22-07	RMW
alpha-BHC	8081A	<	2	<	2	08-22-07	RMW
beta-BHC	8081A	<	2	<	2	08-22-07	RMW
Chlordane	8081A	<	40	<	40	08-22-07	RMW
delta-BHC	8081A	<	4	<	4	08-22-07	RMW
Dieldrin	8081A	<	4	<	4	08-22-07	RMW
Endosulfan I	8081A	<	4	<	4	08-22-07	RMW
Endosulfan II	8081A	<	6	<	6	08-22-07	RMW
Endosulfan sulfate	8081A	<	2	<	2	08-22-07	RMW
Endrin	8081A	<	4	<	4	08-22-07	RMW
Endrin aldehyde	8081A	<	8	<	8	08-22-07	RMW
gamma-BHC (Lindane)	8081A	<	2	<	2	08-22-07	RMW
Heptachlor	8081A	<	2	<	2	08-22-07	RMW
Heptachlor epoxide	8081A	<	40	<	40	08-22-07	RMW
Methoxychlor	8081A	<	40	<	40	08-22-07	RMW
Toxaphene	8082	<	40	<	40	08-22-07	RMW

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PESTICIDE/PCB ANALYSIS
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LABORATORY CONTROL SAMPLE RECOVERY Extracted 08-21-07

WATER

Compound	Spike Conc (ug/L)		LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
g-BHC (Lindane)	0.100		0.072	72	0.073	73	46	127	1	20	08-21-07	RMW
Heptachlor	0.100		0.071	71	0.071	71	35	130	0	20	08-21-07	RMW
Aldrin	0.100		0.066	66	0.067	67	34	132	2	20	08-21-07	RMW
Dieldrin	0.100		0.073	73	0.071	71	31	134	3	20	08-21-07	RMW
Endrin	0.100		0.084	84	0.079	79	30	135	6	20	08-21-07	RMW
4-4' DDT	0.100		0.086	86	0.078	78	23	134	10	20	08-21-07	RMW
Chlordane	2.50		2.16	87			60	140			08-21-07	RMW
Toxaphene	2.50		2.00	80			60	140			08-21-07	RMW
Arochlor 1260	2.50		1.96	78			60	140			08-21-07	RMW

LABORATORY CONTROL SAMPLE RECOVERY Extracted 08-21-07

SOIL

Compound	Spike Conc (ug/L)		LCS Result (ug/L)	LCS % Rec	LCS Duplicate Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
g-BHC (Lindane)	0.100		0.068	68	0.064	64	46	127	6	20	08-22-07	RMW
Heptachlor	0.100		0.072	72	0.069	69	35	130	4	20	08-22-07	RMW
Aldrin	0.100		0.068	68	0.065	65	34	132	5	20	08-22-07	RMW
Dieldrin	0.100		0.064	64	0.061	61	31	134	5	20	08-22-07	RMW
Endrin	0.100		0.079	79	0.074	74	30	135	7	20	08-22-07	RMW
4-4' DDT	0.100		0.083	83	0.078	78	23	134	6	20	08-22-07	RMW
Chlordane	2.50		1.58	63			60	140			08-22-07	RMW
Toxaphene	2.50		2.13	85			60	140			08-22-07	RMW
Arochlor 1260	2.50		1.67	67			60	140			08-22-07	RMW

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE 07080240-004

SOIL

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
g-BHC (Lindane)	0.100	0	0.057	57	0.062	62	46	127	8	20	08-22-07	RMW
Heptachlor	0.100	0	0.049	49	0.053	53	35	130	8	20	08-22-07	RMW
Aldrin	0.100	0	0.055	55	0.061	61	34	132	10	20	08-22-07	RMW
Dieldrin	0.100	0	0.053	53	0.059	59	31	134	11	20	08-22-07	RMW
Endrin	0.100	0	0.064	64	0.073	73	30	135	13	20	08-22-07	RMW
4-4' DDT	0.100	0	0.03	30	0.022	**22** *	23	134	31 *	20	08-22-07	RMW

***=Outside historical QC limits**

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SURROGATE RECOVERY Pesticides/PCBs

WATER

Sample I.D.	EPA Method	TCMX Surrogate % Recovery	Spike Acceptance Criteria	Date Analyzed	Analyst
Method Blank	8081A	71	1-115%	08-21-07	RMW
07080240-001	8081A	79	1-115%	08-21-07	RMW
07080253-001	8081A	80	1-115%	08-21-07	RMW
Pesticide LCS	8081A	78	1-115%	08-21-07	RMW
Pesticide LCSD	8081A	79	1-115%	08-21-07	RMW
Chlordane LCS	8081A	87	1-115%	08-21-07	RMW
Toxaphene LCS	8081A	70	1-115%	08-21-07	RMW
PCB 1016 LCS	8081A	78	1-115%	08-21-07	RMW

SURROGATE RECOVERY Pesticides/PCBs

SOIL

Sample I.D.	EPA Method	TCMX Surrogate % Recovery	Spike Acceptance Criteria	Date Analyzed	Analyst
Method Blank	8081A	70	1-115%	08-22-07	RMW
07080240-002	8081A	59	1-115%	08-22-07	RMW
07080240-003	8081A	67	1-115%	08-22-07	RMW
07080240-004	8081A	61	1-115%	08-22-07	RMW
07080240-004ms	8081A	50	1-115%	08-22-07	RMW
07080240-004msd	8081A	59	1-115%	08-22-07	RMW
07080240-005	8081A	38	1-115%	08-22-07	RMW
07080253-002	8081A	58	1-115%	08-22-07	RMW
07080253-003	8081A	59	1-115%	08-22-07	RMW
07080253-004	8081A	80	1-115%	08-22-07	RMW
Pesticide LCS	8081A	82	1-115%	08-22-07	RMW
Pesticide LCSD	8081A	73	1-115%	08-22-07	RMW
Chlordane LCS	8081A	74	1-115%	08-22-07	RMW
Toxaphene LCS	8081A	80	1-115%	08-22-07	RMW
PCB 1016 LCS	8081A	79	1-115%	08-22-07	RMW

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HERBICIDE ANALYSIS

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HERBICIDE ANALYSIS
AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK Extracted 08-22-2007

WATER

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
2,4-D	8151A	< 0.1	< 0.1	08-23-07	CLA
Silvex	8151A	< 0.1	< 0.1	08-23-07	CLA
2,4,5-T	8151A	< 0.1	< 0.1	08-23-07	CLA
Dinoseb	8151A	< 0.1	< 0.1	08-23-07	CLA
Pentachlorophenol	8151A	< 0.1	< 0.1	08-23-07	CLA

METHOD REAGENT BLANK Extracted 08-22-2007

SOIL

Parameter	EPA Method	Blank Concentration (ug/kg)	Blank Acceptance Criteria (ug/kg)	Date Analyzed	Analyst
2,4-D	8151A	< 0.01	< 0.01	08-24-07	CLA
Silvex	8151A	< 5	< 5	08-24-07	CLA
2,4,5-T	8151A	< 5	< 5	08-24-07	CLA
Dinoseb	8151A	< 0.01	< 0.01	08-24-07	CLA
Pentachlorophenol	8151A	< 0.01	< 0.01	08-24-07	CLA

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LABORATORY CONTROL SAMPLE RECOVERY Extracted 08-22-2007

WATER

Compound	Spike Conc (ug/L)		LCS Result (ug/L)	LCS % Rec	LCS Dup Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
2,4-D	0.500		0.220	44	0.235	47	28	89	7	20	08-23-07	CLA
Pentachlorophenol	0.500		0.420	84	0.510	102 *	25	97	19	20	08-23-07	CLA
Silvex	0.500		0.465	93	0.590	118 *	49	102	24 *	20	08-23-07	CLA
2,4,5-T	0.500		0.405	81	0.475	95	35	120	16	20	08-23-07	CLA
Dinoseb	0.500		0.485	97 *	0.590	118 *	29	88	20	20	08-23-07	CLA

***=Outside historical QC limits**

BATCH MATRIX SPIKE / MATRIX SPIKE DUPLICATE 07080265-004

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
2,4-D	0.500	0	0.300	60	0.390	78	28	89	26 *	20	08-23-07	CLA
Pentachlorophenol	0.500	0	0.530	106 *	0.480	96	25	97	10	20	08-23-07	CLA
Silvex	0.500	0	0.900	180 *	0.975	195 *	49	102	8	20	08-23-07	CLA
2,4,5-T	0.500	0	0.630	126 *	0.695	139 *	35	120	10	20	08-23-07	CLA
Dinoseb	0.500	0	0.735	147 *	0.705	141 *	29	88	4	20	08-23-07	CLA

*=Outside historical QC limits

LABORATORY CONTROL SAMPLE RECOVERY Extracted 08-22-2007

SOIL

Compound	Spike Conc (ug/L)		LCS Result (ug/L)	LCS % Rec	LCS Dup Result (ug/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
2,4-D	0.500		0.205	41	0.190	38	28	89	8	20	08-24-07	CLA
Pentachlorophenol	0.500		0.450	90	0.415	83	25	97	8	20	08-24-07	CLA
Silvex	0.500		0.415	83	0.415	83	49	102	0	20	08-24-07	CLA
2,4,5-T	0.500		0.325	65	0.285	57	35	120	13	20	08-24-07	CLA
Dinoseb	0.500		0.165	33	0.125	25 *	29	88	28 *	20	08-24-07	CLA

***=Outside historical QC limits**

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE 07080240-004

Compound	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Dup Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
2,4-D	0.500	0	0.225	45	0.230	46	28	89	2	20	08-24-07	CLA
Pentachlorophenol	0.500	0	0.420	84	0.420	84	25	97	0	20	08-24-07	CLA
Silvex	0.500	0	0.405	81	0.410	82	49	102	1	20	08-24-07	CLA
2,4,5-T	0.500	0	0.295	59	0.310	62	35	120	5	20	08-24-07	CLA
Dinoseb	0.500	0	0.200	40	0.195	39	29	88	3	20	08-24-07	CLA

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SURROGATE RECOVERY Herbicides

Sample I.D.	EPA Method	DCAA Surrogate % Recovery	Spike Acceptance Criteria	Date Analyzed	Analyst
Method Blank	8151A	64	31-87%	08-23-07	CLA
LCS	8151A	60	31-87%	08-23-07	CLA
LCSD	8151A	69	31-87%	08-23-07	CLA
07080240-001	8151A	64	31-87%	08-23-07	CLA
07080253-001	8151A	99	31-87%	08-23-07	CLA
07080265-004	8151A	88	31-87%	08-23-07	CLA
07080265-004MS	8151A	74	31-87%	08-23-07	CLA
07080265-004MSD	8151A	92	31-87%	08-23-07	CLA

SURROGATE RECOVERY Herbicides

Sample I.D.	EPA Method	DCAA Surrogate % Recovery	Spike Acceptance Criteria	Date Analyzed	Analyst
Method Blank	8151A	46	31-87%	08-24-07	CLA
LCS	8151A	49	31-87%	08-24-07	CLA
LCSD	8151A	41	31-87%	08-24-07	CLA
07080240-002	8151A	44	31-87%	08-24-07	CLA
07080240-003	8151A	51	31-87%	08-24-07	CLA
07080240-004	8151A	53	31-87%	08-24-07	CLA
07080240-004MS	8151A	49	31-87%	08-24-07	CLA
07080240-004MSD	8151A	54	31-87%	08-24-07	CLA
07080240-005	8151A	47	31-87%	08-24-07	CLA
07080253-002	8151A	51	31-87%	08-24-07	CLA
07080253-003	8151A	43	31-87%	08-24-07	CLA
07080253-004	8151A	46	31-87%	08-24-07	CLA

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DIESEL RANGE ORGANICS

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METHOD/REAGENT BLANK

SOIL

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed/Initials
Diesel Range Organics	8015B	< 10.0	< 10.0	08-24-07 JHV

METHOD/REAGENT BLANK

WATER

Parameter	EPA Method	Blank Concentration (mg/l)	Blank Acceptance Criteria (mg/kg)	Date Analyzed/Initials
Diesel Range Organics	8015B	< 10.0	< 10.0	08-17-07 JHV
Diesel Range Organics	8015B	< 10.0	< 10.0	08-21-07 JHV

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DIESEL RANGE ORGANICS
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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

SOIL

Compound	Spike Conc (mg/kg)	LCS Result (mg/kg)	LCS % Rec	LCS Duplicate Result (mg/kg)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Diesel Range Organics	5.00	4.40	88	3.94	79	70	120	11	20	08-24-07	JHV

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

WATER

Compound	Spike Conc (mg/L)	LCS Result (mg/L)	LCS % Rec	LCS Duplicate Result (mg/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Diesel Range Organics	5.00	3.67	73	4.09	82	70	120	11	20	08-17-07	JHV

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

WATER

Compound	Spike Conc (mg/L)	LCS Result (mg/L)	LCS % Rec	LCS Duplicate Result (mg/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Diesel Range Organics	5.00	4.61	92	4.37	87	70	120	5	20	08-21-07	JHV

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SURROGATE RECOVERY

WATER

Sample ID	Surrogate	Method	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV 5.0 mg/L	Pentacosane	8015B	99	70	130	08-17-07	JHV
Method Blank	Pentacosane	8015B	89	70	130	08-17-07	JHV
LCS 5.0 mg/L	Pentacosane	8015B	84	70	130	08-17-07	JHV
LCSD 5.0 mg/L	Pentacosane	8015B	96	70	130	08-17-07	JHV
07080240-001	Pentacosane	8015B	111	70	130	08-17-07	JHV
CCV 5.0 mg/L	Pentacosane	8015B	97	70	130	08-21-07	JHV
Method Blank	Pentacosane	8015B	95	70	130	08-21-07	JHV
LCS 5.0 mg/L	Pentacosane	8015B	108	70	130	08-21-07	JHV
LCSD 5.0 mg/L	Pentacosane	8015B	106	70	130	08-21-07	JHV
07080253-001	Pentacosane	8015B	111	70	130	08-21-07	JHV

SURROGATE RECOVERY

SOIL

Sample ID	Surrogate	Method	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV 5.0 mg/L	Pentacosane	8015B	97	70	130	08-24-07	JHV
Method Blank	Pentacosane	8015B	81	70	130	08-24-07	JHV
LCS 5.0 mg/L	Pentacosane	8015B	90	70	130	08-24-07	JHV
LCSD 5.0 mg/L	Pentacosane	8015B	80	70	130	08-24-07	JHV
07080240-002	Pentacosane	8015B	74	70	130	08-24-07	JHV
07080240-003	Pentacosane	8015B	59 *	70	130	08-24-07	JHV
07080240-004	Pentacosane	8015B	77	70	130	08-24-07	JHV
07080240-004 MS	Pentacosane	8015B	48 *	70	130	08-24-07	JHV
07080240-004 MSD	Pentacosane	8015B	79	70	130	08-24-07	JHV
07080240-005	Pentacosane	8015B	60 *	70	130	08-24-07	JHV
07080253-002	Pentacosane	8015B	47 *	70	130	08-24-07	JHV
07080253-003	Pentacosane	8015B	83	70	130	08-24-07	JHV
07080253-004	Pentacosane	8015B	71	70	130	08-24-07	JHV

*=Outside historical QC limits

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GASOLINE RANGE ORGANICS

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METHOD REAGENT BLANK 08-20-07

SOIL

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed/Initials
Gasoline Range Organics	8015B	< 5.0	< 5.0	08-20-07 MKD

METHOD REAGENT BLANK 08-20-07

WATER

Parameter	EPA Method	Blank Concentration (mg/L)	Blank Acceptance Criteria (mg/L)	Date Analyzed/Initials
Gasoline Range Organics	8015B	< 0.5	< 0.5	08-20-07 MKD

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LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -08-20-07

SOIL

Compound	Spike Conc (mg/kg)	LCS Result (mg/kg)	LCS % Rec	LCS Duplicate Result (mg/kg)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Gasoline Range Organics	1.000	0.980	98	0.985	99	70	130	1	20	08-20-07	MKD

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE -08-20-07

WATER

Compound	Spike Conc (mg/L)	LCS Result (mg/L)	LCS % Rec	LCS Duplicate Result (mg/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Gasoline Range Organics	1.000	1.055	106	1.087	109	70	130	3	20	08-20-07	MKD

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SURROGATE RECOVERY - GRO

SOIL

Sample ID	Surrogate	Method	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV (GRO)	2,5-Dibromotoluene #2	GRO	121	70	130	08-20-07	MKD
Method Blank	2,5-Dibromotoluene #2	GRO	100	70	130	08-20-07	MKD
LCS (GRO)	2,5-Dibromotoluene #2	GRO	94	70	130	08-20-07	MKD
LCSD (GRO)	2,5-Dibromotoluene #2	GRO	88	70	130	08-20-07	MKD
07080240-002	2,5-Dibromotoluene #2	GRO	111	70	130	08-20-07	MKD
07080240-003	2,5-Dibromotoluene #2	GRO	109	70	130	08-20-07	MKD
07080240-004	2,5-Dibromotoluene #2	GRO	111	70	130	08-20-07	MKD
07080240-005	2,5-Dibromotoluene #2	GRO	115	70	130	08-20-07	MKD
07080253-002	2,5-Dibromotoluene #2	GRO	112	70	130	08-20-07	MKD
07080253-003	2,5-Dibromotoluene #2	GRO	111	70	130	08-20-07	MKD
07080253-004	2,5-Dibromotoluene #2	GRO	101	70	130	08-20-07	MKD
07080253-004 MS	2,5-Dibromotoluene #2	GRO	100	70	130	08-20-07	MKD
07080253-004 MSD	2,5-Dibromotoluene #2	GRO	101	70	130	08-20-07	MKD

SURROGATE RECOVERY - GRO

Water

Sample ID	Surrogate	Method	Surrogate % Recovery	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Initials
CCV (GRO)	2,5-Dibromotoluene #2	GRO	108	70	130	08-20-07	MKD
Method Blank	2,5-Dibromotoluene #2	GRO	95	70	130	08-20-07	MKD
LCS (GRO)	2,5-Dibromotoluene #2	GRO	96	70	130	08-20-07	MKD
LCSD (GRO)	2,5-Dibromotoluene #2	GRO	98	70	130	08-20-07	MKD
07080240-001	2,5-Dibromotoluene #2	GRO	97	70	130	08-20-07	MKD
07080253-001	2,5-Dibromotoluene #2	GRO	108	70	130	08-20-07	MKD

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METALS ANALYSES

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METHOD/REAGENT BLANK 08-17-07 (ICP)

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Aluminum	6010B	< 20	< 20	08-24-07	CGT
Antimony	6010B	< 30	< 30	08-24-07	CGT
Arsenic	6010B	* 5	< 3	08-24-07	CGT
Barium	6010B	< 2	< 2	08-24-07	CGT
Cadmium	6010B	* 8	< 2	08-24-07	CGT
Chromium	6010B	< 1	< 1	08-24-07	CGT
Cobalt	6010B	< 2	< 2	08-24-07	CGT
Copper	6010B	< 3	< 3	08-24-07	CGT
Iron	6010B	< 3	< 3	08-24-07	CGT
Lead	6010B	< 6	< 6	08-24-07	CGT
Manganese	6010B	< 2	< 2	08-24-07	CGT
Nickel	6010B	< 2	< 2	08-24-07	CGT
Selenium	6010B	* 12	< 8	08-24-07	CGT
Silver	6010B	* 2	< 2	08-24-07	CGT
Vanadium	6010B	* 4	< 2	08-24-07	CGT
Zinc	6010B	< 10	< 10	08-24-07	CGT

***=Analyte found in the method blank above the Limit of Detection**

METHOD/REAGENT BLANK 08-17-07 (GFAA)

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Tin	7871	< 2	< 2	08-23-07	DMH

METHOD/REAGENT BLANK Miscellaneous

Parameter	EPA Method	Blank Concentration (ug/L)	Blank Acceptance Criteria (ug/L)	Date Analyzed	Analyst
Mercury	7470A	< 0.2	< 0.2	08-22-07	DMH

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METHOD/REAGENT BLANK 08-24-07 (ICP)

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed	Analyst
Aluminum	6010B	< 250	< 250	08-24-07	CGT
Antimony	6010B	< 5	< 5	08-24-07	CGT
Arsenic	6010B	< 0.5	< 0.5	08-24-07	CGT
Barium	6010B	< 0.5	< 0.5	08-24-07	CGT
Cadmium	6010B	< 0.5	< 0.5	08-24-07	CGT
Chromium	6010B	< 0.5	< 0.5	08-24-07	CGT
Cobalt	6010B	< 0.5	< 0.5	08-24-07	CGT
Copper	6010B	< 2.5	< 2.5	08-24-07	CGT
Iron	6010B	< 250	< 250	08-24-07	CGT
Lead	6010B	< 0.5	< 0.5	08-24-07	CGT
Manganese	6010B	< 0.5	< 0.5	08-24-07	CGT
Nickel	6010B	< 0.5	< 0.5	08-24-07	CGT
Selenium	6010B	< 2.5	< 2.5	08-24-07	CGT
Silver	6010B	< 0.5	< 0.5	08-24-07	CGT
Vanadium	6010B	< 0.5	< 0.5	08-24-07	CGT
Zinc	6010B	< 0.5	< 0.5	08-24-07	CGT

METHOD/REAGENT BLANK 08-30-07 (GFAA)

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed	Analyst
Tin	7871	< 5	< 5	08-31-07	DMH

METHOD/REAGENT BLANK Miscellaneous

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed	Analyst
Mercury	7470A	< 0.008	< 0.008	08-22-07	DMH

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LABORATORY CONTROL SAMPLE 08-17-07 (ICP)

Parameter	EPA Method	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Aluminum	6010B	500	517	103	80	120	08-24-07	CGT
Antimony	6010B	500	492	98	80	120	08-24-07	CGT
Arsenic	6010B	500	503	101	80	120	08-24-07	CGT
Barium	6010B	500	501	100	80	120	08-24-07	CGT
Cadmium	6010B	500	498	100	80	120	08-24-07	CGT
Chromium	6010B	500	503	101	80	120	08-24-07	CGT
Cobalt	6010B	500	475	95	80	120	08-24-07	CGT
Copper	6010B	500	491	98	80	120	08-24-07	CGT
Iron	6010B	500	501.0	100	80	120	08-24-07	CGT
Lead	6010B	500	498	100	80	120	08-24-07	CGT
Manganese	6010B	500	498	100	80	120	08-24-07	CGT
Nickel	6010B	500	497	99	80	120	08-24-07	CGT
Selenium	6010B	500	505	101	80	120	08-24-07	CGT
Silver	6010B	100	100	100	80	120	08-24-07	CGT
Vanadium	6010B	500	514	103	80	120	08-24-07	CGT
Zinc	6010B	500	501	100	80	120	08-24-07	CGT

LABORATORY CONTROL SAMPLE 08-17-07(GFAA)

Parameter	EPA Method	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Tin	7871	100.0	115.0	115	80	120	08-23-07	DMH

LABORATORY CONTROL SAMPLE -Miscellaneous

Parameter	EPA Method	Spike Conc (ug/L)	LCS Result (ug/L)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Mercury	7470A	2.50	2.37	95	80	120	08-22-07	DMH

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LABORATORY CONTROL SAMPLE 08-24-07 (ICP)

Parameter	EPA Method	Spike Conc (mg/kg)	LCS Result (mg/kg)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Aluminum	6010B	25	26	105	80	120	08-27-07	CGT
Antimony	6010B	25	24.7	99	80	120	08-27-07	CGT
Arsenic	6010B	25	24.6	98	80	120	08-27-07	CGT
Barium	6010B	25	25.2	101	80	120	08-27-07	CGT
Cadmium	6010B	25	24	95	80	120	08-27-07	CGT
Chromium	6010B	25	25	99	80	120	08-27-07	CGT
Cobalt	6010B	25	25	99	80	120	08-27-07	CGT
Copper	6010B	25	29	115	80	120	08-27-07	CGT
Iron	6010B	25	24.8	99	80	120	08-27-07	CGT
Lead	6010B	25	25	98	80	120	08-27-07	CGT
Manganese	6010B	25	25	99	80	120	08-27-07	CGT
Nickel	6010B	25	25	101	80	120	08-27-07	CGT
Selenium	6010B	25	24	94	80	120	08-27-07	CGT
Silver	6010B	5	5	101	80	120	08-27-07	CGT
Vanadium	6010B	25	26	103	80	120	08-27-07	CGT
Zinc	6010B	25	25	101	80	120	08-27-07	CGT

LABORATORY CONTROL SAMPLE 08-30-07 (GFAA)

Parameter	EPA Method	Spike Conc (mg/kg)	LCS Result (mg/kg)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Tin	7871	25.0	24.7	99	80	120	08-31-07	DMH

LABORATORY CONTROL SAMPLE -Miscellaneous

Parameter	EPA Method	Spike Conc (mg/kg)	LCS Result (mg/kg)	LCS % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	Date Analyzed	Analyst
Mercury	7470A	2.50	2.54	102	80	120	08-22-07	DMH

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080240-004

SOIL

Parameter	EPA Method	Spike Conc (mg/kg)	Sample Result (mg/kg)	Matrix Spike Result (mg/kg)	Matrix Spike % Rec	Matrix Spike Duplicate Result (mg/kg)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Aluminum	6010B	25000.0	8960	33200	97	30800	87	80	120	8	20	08-27-07	CGT
Antimony	6010B	25	0	22.2	89	20.7	83	80	120	7	20	08-27-07	CGT
Arsenic	6010B	25	0	24.1	96	23.3	93	80	120	3	20	08-27-07	CGT
Barium	6010B	25.00	36	62.6	106	58.8	91	80	120	6	20	08-27-07	CGT
Cadmium	6010B	25.00	0.704	25	97	24.50	95	80	120	2	20	08-27-07	CGT
Chromium*	6010B	2500	39.1	2450	96	2430	96	80	120	1	20	08-27-07	CGT
Cobalt	6010B	25	6.39	31.9	102	30.2	95	80	120	5	20	08-27-07	CGT
Copper	6010B	25	6.58	33.9	109	33	106	80	120	3	20	08-27-07	CGT
Iron	6010B	25000	11300	33600	89	34000	91	80	120	1	20	08-27-07	CGT
Lead	6010B	25.00	4.01	28.90	100	27.30	93	80	120	6	20	08-27-07	CGT
Manganese*	6010B	2500	93.3	2490	96	2480	95	80	120	0	20	08-27-07	CGT
Mercury	7470A	100.0	0	103.5	104	103.7	104	80	120	0	20	08-22-07	DMH
Nickel	6010B	25	8.72	35.6	108	33.9	101	80	120	5	20	08-27-07	CGT
Selenium	6010B	25.0	0	24.4	98	23.7	95	80	120	3	20	08-27-07	CGT
Silver	6010B	5	0	4.76	95	4.77	95	80	120	0	20	08-27-07	CGT
Tin	7871	25	0	29.13	117	26.84	107	80	120	8	20	08-31-07	DMH
Vanadium	6010B	25	24.8	54.1	117	48.9	96	80	120	10	20	08-27-07	CGT
Zinc	6010B	25	24	48.6	98	45.7	87	80	120	6	20	08-27-07	CGT

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY -07080240-001

WATER

Parameter	EPA Method	Spike Conc (ug/L)	Sample Result (ug/L)	Matrix Spike Result (ug/L)	Matrix Spike % Rec	Matrix Spike Duplicate Result (ug/L)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Aluminum	6010B	500.0	0	516	103	517	103	80	120	0	20	08-27-07	CGT
Antimony	6010B	500	0	486	97	489	98	80	120	1	20	08-27-07	CGT
Arsenic	6010B	500	0	501	100	497	99	80	120	1	20	08-27-07	CGT
Barium	6010B	500.00	0	499	100	503	101	80	120	1	20	08-27-07	CGT
Cadmium	6010B	500.00	0	497	99	499.00	100	80	120	0	20	08-27-07	CGT
Chromium	6010B	500	0	503	101	504	101	80	120	0	20	08-27-07	CGT
Cobalt	6010B	500	0	475	95	473	95	80	120	0	20	08-27-07	CGT
Copper	6010B	500	0	490	98	492	98	80	120	0	20	08-27-07	CGT
Iron	6010B	500	0	501	100	503	101	80	120	0	20	08-27-07	CGT
Lead	6010B	500	0	496	99	497	99	80	120	0	20	08-27-07	CGT
Manganese	6010B	500	0	498	100	499	100	80	120	0	20	08-27-07	CGT
Mercury *	7470A	2.50	0	2.37	95	2.38	95	80	120	1	20	08-22-07	DMH
Nickel	6010B	500	0	497	99	498	100	80	120	0	20	08-27-07	CGT
Selenium	6010B	500.0	0	505.0	101	496	99	80	120	2	20	08-27-07	CGT
Silver	6010B	100	0	99	99	99	99	80	120	0	20	08-27-07	CGT
Tin	7871	100	0	115	115	117	117	80	120	1	20	08-23-07	DMH
Vanadium	6010B	500	0	513	103	515	103	80	120	0	20	08-27-07	CGT
Zinc	6010B	500	0	498	100	500	100	80	120	0	20	08-27-07	CGT

*Matrix Spike and Matrix Spike Duplicate were performed on sample number 07080262-001.

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AWS Laboratory I.D.: 07080240 - 07080253

METHOD REAGENT BLANK - Water

Parameter	EPA Method	Blank Concentration (mg/L)	Blank Acceptance Criteria (mg/L)	Date Analyzed	Analyst
Ammonia	SM4500-NH3 F	< 0.05	< 0.05	08-20-07	JPV
Nitrate	EPA 300.0	< 0.1	< 0.1	08-17-07	RPF
Sulfide	SW846 9030B	< 1.0	< 1.0	08-17-07	VLG
TKN	EPA 351.2	< 0.2	< 0.2	08-21-07	RPF
TOC	SW846 9060	< 1.0	< 1.0	08-17-07	JCW
TOX	SW846 9020B	< 0.01	< 0.01	08-21-07	JCW

METHOD REAGENT BLANK - Soil

Parameter	EPA Method	Blank Concentration (mg/kg)	Blank Acceptance Criteria (mg/kg)	Date Analyzed	Analyst
Ammonia	SM4500-NH3 F	< 10	< 10	08-20-07	JPV
Nitrate	EPA 300.0	< 10	< 10	08-23-07	RPF
Sulfide	SW846 9030B	< 50	< 50	08-21-07	JPV
TKN	EPA 351.2	< 25	< 25	08-21-07	RPF
TOC	SW846 9060	< 200	< 200	08-23-07	JCW
EOX	SW846 9023	< 10	< 10	08-20-07	JCW

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AWS Laboratory I.D.: 07080240 - 07080253

LABORATORY CONTROL SAMPLE RECOVERY

Water

Compound	Spike Conc (mg/L)		LCS Result (mg/L)	LCS % Rec	LCS Dup Result (mg/L)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Ammonia	5.00		5.11	102	5.15	103	70	130	1	20	08-20-07	JPV
Nitrate	2.5		2.54	102	2.53	101	70	130	0	20	08-17-07	RPF
Sulfide	2.00		1.62	81	1.60	80	70	130	1	20	08-17-07	VLG
TKN	10.0		10.5	105	10.7	107	70	130	2	20	08-21-07	RPF
TOC	10.0		9.62	96	10	96	70	130	0	20	08-17-07	JCW
TOX	0.100		0.093	93	0.099	99	70	130	6	20	08-21-07	JCW

LABORATORY CONTROL SAMPLE RECOVERY

Soil

Compound	Spike Conc (mg/kg)		LCS Result (mg/kg)	LCS % Rec	LCS Dup Result (mg/kg)	LCS Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Ammonia	5.00		5.11	102	5.15	103	70	130	1	20	08-20-07	JPV
Nitrate	2.5		2.73	109	3	110	70	130	1	20	08-23-07	RPF
Sulfide	2.00		1.7	85	2	81	70	130	5	20	08-21-07	VLG
TKN	10.0		10.5	105	10.7	107	70	130	2	20	08-21-07	RPF
TOC	10.0		8.57	86	14	138 *	70	130	47 *	20	08-23-07	JCW
EOX	100		70.0	70	67	67 *	70	130	4	20	08-20-07	JCW

*=Outside historical QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE -07080240-004

Compound	Spike Conc (mg/kg)	Sample Result (mg/L)	Matrix Spike Result (mg/kg)	Matrix Spike % Rec	Matrix Spike Dup Result (mg/kg)	Matrix Spike Dup % Rec	Lower % Rec Control Limit	Upper % Rec Control Limit	% RPD	RPD Limit	Date Analyzed	Analyst
Ammonia	125.00	8.596	180	137	180	137	60	140	0	20	08-20-07	JPV
Sulfide	100.00	83	133	50 *	133	50 *	60	140	0	20	08-21-07	JPV
TKN	250	8.596	180	69	180	69	60	140	0	20	08-21-07	RPF
EOX	100	0	66	66	68	68	60	140	3	20	08-20-07	JCW

*=Outside historical QC limits

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September 05, 2007 12:57:58PM

Client: Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn: AWS PM

Work Order: NQH2278
Project Name: AWS
Project Nbr: 07080240
P/O Nbr:
Date Received: 08/18/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
07080240-001	NQH2278-01	08/15/07 09:00
07080240-002	NQH2278-02	08/15/07 10:00
07080240-003	NQH2278-03	08/15/07 12:40
07080240-004	NQH2278-04	08/15/07 15:00
07080240-005	NQH2278-05	08/15/07 16:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

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All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

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Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2278-01 (07080240-001 - Ground Water) Sampled: 08/15/07 09:00								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/L	0.0500	1	08/23/07 11:14	SW846 6010B	7083924
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Bolstar	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Chlorpyrifos	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Coumaphos	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Demeton	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Diazinon	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Dichlorvos	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Dimethoate	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Disulfoton	ND	L1	ug/L	2.00	1	08/24/07 02:14	SW846 8141A	7084017
EPN	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Ethoprop	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Fensulfothion	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Fenthion	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Malathion	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Mevinphos	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Naled	ND	L2	ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Parathion-ethyl	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Parathion-methyl	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Phorate	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Ronnel	ND		ug/L	2.00	1	08/24/07 02:14	SW846 8141A	7084017
Stirophos	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Sulfotep	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Tokuthion (Prothiofos)	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Trichloronate	ND		ug/L	1.00	1	08/24/07 02:14	SW846 8141A	7084017
Surr: Tributyl phosphate (33-146%)	*37 %*					*08/24/07 02:14*	*SW846 8141A*	*7084017*
Surr: Triphenyl phosphate (31-151%)	*49 %*					*08/24/07 02:14*	*SW846 8141A*	*7084017*

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		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2278-02 (07080240-002 - Soil) Sampled: 08/15/07 10:00								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	10.1	1	08/22/07 14:46	SW846 6010B	7084037
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Bolstar	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Chlorpyrifos	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Coumaphos	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Demeton	ND	CF6, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Diazinon	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Dichlorvos	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Dimethoate	ND	CF6	mg/kg	0.187	1	08/30/07 02:42	SW846 8141A	7085083
Disulfoton	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
EPN	ND	CF6	mg/kg	0.935	1	08/30/07 02:42	SW846 8141A	7085083
Ethoprop	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Fensulfothion	ND	CF6, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Fenthion	ND	CF6, L2, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Malathion	ND	CF6	mg/kg	0.187	1	08/30/07 02:42	SW846 8141A	7085083
Mevinphos	ND	CF6, L2, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Naled	ND	L2, M8, CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Parathion-ethyl	ND	CF6, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Parathion-methyl	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Phorate	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Ronnel	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Stirophos	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Sulfotep	ND	CF6, M8	mg/kg	0.935	1	08/30/07 02:42	SW846 8141A	7085083
Tokuthion(prothiofos)	ND	CF6	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Trichloronate	ND	CF6, L2, M8	mg/kg	0.0935	1	08/30/07 02:42	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*57 %*					*08/30/07 02:42*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*61 %*					*08/30/07 02:42*	*SW846 8141A*	*7085083*

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		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2278-03 (07080240-003 - Soil) Sampled: 08/15/07 12:40								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	10.0	1	08/22/07 14:51	SW846 6010B	7084037
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Bolstar	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Chlorpyrifos	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Coumaphos	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Demeton	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Diazinon	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Dichlorvos	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Dimethoate	ND	CF6	mg/kg	0.199	1	08/30/07 03:19	SW846 8141A	7085083
Disulfoton	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
EPN	ND	CF6	mg/kg	0.996	1	08/30/07 03:19	SW846 8141A	7085083
Ethoprop	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Fensulfothion	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Fenthion	ND	L2, CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Malathion	ND	CF6	mg/kg	0.199	1	08/30/07 03:19	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Parathion-ethyl	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Parathion-methyl	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Phorate	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Ronnel	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Stirophos	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Sulfotep	ND	CF6	mg/kg	0.996	1	08/30/07 03:19	SW846 8141A	7085083
Tokuthion(prothiofos)	ND	CF6	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Trichloronate	ND	CF6, L2	mg/kg	0.0996	1	08/30/07 03:19	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*48 %*	*Z6*				*08/30/07 03:19*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*53 %*	*Z6*				*08/30/07 03:19*	*SW846 8141A*	*7085083*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2278
Project Name: AWS
Project Number: 07080240
Received: 08/18/07 10:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2278-04 (07080240-004 - Soil) Sampled: 08/15/07 15:00								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	9.73	1	08/22/07 14:55	SW846 6010B	7084037
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Bolstar	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Chlorpyrifos	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Coumaphos	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Demeton	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Diazinon	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Dichlorvos	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Dimethoate	ND	CF6	mg/kg	0.189	1	08/30/07 03:55	SW846 8141A	7085083
Disulfoton	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
EPN	ND	CF6	mg/kg	0.943	1	08/30/07 03:55	SW846 8141A	7085083
Ethoprop	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Fensulfothion	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Fenthion	ND	L2, CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Malathion	ND	CF6	mg/kg	0.189	1	08/30/07 03:55	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Parathion-ethyl	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Parathion-methyl	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Phorate	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Ronnel	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Stirophos	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Sulfotep	ND	CF6	mg/kg	0.943	1	08/30/07 03:55	SW846 8141A	7085083
Tokuthion(prothiofos)	ND	CF6	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Trichloronate	ND	CF6, L2	mg/kg	0.0943	1	08/30/07 03:55	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*65 %*					*08/30/07 03:55*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*71 %*					*08/30/07 03:55*	*SW846 8141A*	*7085083*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2278
Project Name: AWS
Project Number: 07080240
Received: 08/18/07 10:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2278-05 (07080240-005 - Soil) Sampled: 08/15/07 16:00								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	9.71	1	08/22/07 15:00	SW846 6010B	7084037
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Bolstar	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Chlorpyrifos	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Coumaphos	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Demeton	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Diazinon	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Dichlorvos	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Dimethoate	ND	CF6	mg/kg	0.184	1	08/30/07 04:32	SW846 8141A	7085083
Disulfoton	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
EPN	ND	CF6	mg/kg	0.920	1	08/30/07 04:32	SW846 8141A	7085083
Ethoprop	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Fensulfothion	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Fenthion	ND	L2, CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Malathion	ND	CF6	mg/kg	0.184	1	08/30/07 04:32	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Parathion-ethyl	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Parathion-methyl	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Phorate	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Ronnel	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Stirophos	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Sulfotep	ND	CF6	mg/kg	0.920	1	08/30/07 04:32	SW846 8141A	7085083
Tokuthion(prothiofos)	ND	CF6	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Trichloronate	ND	CF6, L2	mg/kg	0.0920	1	08/30/07 04:32	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*43 %*	*Z6*				*08/30/07 04:32*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*47 %*	*Z6*				*08/30/07 04:32*	*SW846 8141A*	*7085083*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2278
Project Name: AWS
Project Number: 07080240
Received: 08/18/07 10:10

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Organophosphorus Pesticides by EPA Method 8141A							
SW846 8141A	7084017	NQH2278-01	1000.00	1.00	08/22/07 08:36	LRW	EPA 3510C
SW846 8141A	7085083	NQH2278-02	10.70	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2278-02RE1	10.51	1.00	08/30/07 16:30	BJM	EPA 3545
SW846 8141A	7085083	NQH2278-03	10.04	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2278-03RE1	10.43	1.00	08/30/07 16:30	BJM	EPA 3545
SW846 8141A	7085083	NQH2278-04	10.61	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2278-04RE1	10.20	1.00	08/30/07 16:30	BJM	EPA 3545
SW846 8141A	7085083	NQH2278-05	10.87	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2278-05RE1	10.70	1.00	08/30/07 16:30	BJM	EPA 3545
Total Metals by EPA Method 6010B							
SW846 6010B	7083924	NQH2278-01	50.00	50.00	08/22/07 09:25	AMB	EPA 3010A / 6010
SW846 6010B	7084037	NQH2278-02	0.50	100.00	08/22/07 07:25	LTB	EPA 3051 / 6010
SW846 6010B	7084037	NQH2278-03	0.50	100.00	08/22/07 07:25	LTB	EPA 3051 / 6010
SW846 6010B	7084037	NQH2278-04	0.51	100.00	08/22/07 07:25	LTB	EPA 3051 / 6010
SW846 6010B	7084037	NQH2278-05	0.52	100.00	08/22/07 07:25	LTB	EPA 3051 / 6010

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
Attn	AWS PM	Project Name:	AWS
		Project Number:	07080240
		Received:	08/18/07 10:10

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
7083924-BLK1						
Strontium	<0.0100		mg/L	7083924	7083924-BLK1	08/23/07 11:01
7084037-BLK1						
Strontium	<0.0952		mg/kg	7084037	7084037-BLK1	08/22/07 13:46
Organophosphorus Pesticides by EPA Method 8141A						
7084017-BLK1						
Azinphos-methyl	<0.170		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Bolstar	<0.0900		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Chlorpyrifos	<0.110		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Coumaphos	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Demeton	<0.0400		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Diazinon	<0.160		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Dichlorvos	<0.0700		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Dimethoate	<0.730		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Disulfoton	<0.200		ug/L	7084017	7084017-BLK1	08/24/07 00:25
EPN	<0.160		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Ethoprop	<0.230		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Fensulfothion	<0.520		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Fenthion	<0.120		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Malathion	<0.0500		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Mevinphos	<0.350		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Naled	<0.480		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Parathion-ethyl	<0.370		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Parathion-methyl	<0.0600		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Phorate	<0.120		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Ronnel	<0.0800		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Stirophos	<0.0800		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Sulfotep	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Tokuthion (Prothiofos)	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Trichloronate	<0.110		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Surrogate: Tributyl phosphate	52%			7084017	7084017-BLK1	08/24/07 00:25
Surrogate: Triphenyl phosphate	70%			7084017	7084017-BLK1	08/24/07 00:25
7085083-BLK1						
Azinphos-methyl	<0.0200		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Bolstar	<0.0220		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Chlorpyrifos	<0.0160		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Coumaphos	<0.0160		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Demeton (2C)	<0.0500		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Diazinon	<0.0220		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Dichlorvos	<0.0150		mg/kg	7085083	7085083-BLK1	08/29/07 23:40

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
Attn	AWS PM	Project Name:	AWS
		Project Number:	07080240
		Received:	08/18/07 10:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Organophosphorus Pesticides by EPA Method 8141A						
7085083-BLK1						
Dimethoate	<0.0690		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Disulfoton	<0.0140		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
EPN	<0.0110		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Ethoprop	<0.0180		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Fensulfothion	<0.0620		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Fenthion	<0.0210		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Malathion	<0.0130		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Mevinphos	<0.0260		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Naled	<0.0310		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Parathion-ethyl	<0.0550		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Parathion-methyl	<0.00900		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Phorate	<0.0170		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Ronnel	<0.0120		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Stirophos	<0.0130		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Sulfotep	<0.0140		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Tokuthion(prothiofos)	<0.0190		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Trichloronate	<0.0200		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Surrogate: Tributyl phosphate	84%			7085083	7085083-BLK1	08/29/07 23:40
Surrogate: Triphenyl phosphate	84%			7085083	7085083-BLK1	08/29/07 23:40

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
7083924-BS1								
Strontium	1.00	1.02		mg/L	102%	80 - 120	7083924	08/23/07 11:05
7084037-BS1								
Strontium	200	202		mg/kg	101%	80 - 120	7084037	08/22/07 13:50
Organophosphorus Pesticides by EPA Method 8141A								
7084017-BS1								
Azinphos-methyl	1.00	0.885		ug/L	88%	14 - 160	7084017	08/24/07 01:01
Bolstar	1.00	0.825		ug/L	82%	28 - 124	7084017	08/24/07 01:01
Chlorpyrifos	1.00	0.711		ug/L	71%	10 - 133	7084017	08/24/07 01:01
Coumaphos	1.00	0.795		ug/L	80%	16 - 151	7084017	08/24/07 01:01
Demeton	1.00	0.575		ug/L	58%	10 - 200	7084017	08/24/07 01:01
Diazinon	1.00	1.03		ug/L	103%	10 - 192	7084017	08/24/07 01:01
Dichlorvos	1.00	0.559		ug/L	56%	10 - 142	7084017	08/24/07 01:01
Dimethoate	5.00	3.74		ug/L	75%	10 - 200	7084017	08/24/07 01:01
Disulfoton	1.00	1.25	L1	ug/L	125%	20 - 120	7084017	08/24/07 01:01
EPN	5.00	3.93		ug/L	79%	10 - 200	7084017	08/24/07 01:01
Ethoprop	1.00	0.824		ug/L	82%	22 - 178	7084017	08/24/07 01:01
Fensulfothion	1.00	0.700		ug/L	70%	18 - 146	7084017	08/24/07 01:01
Fenthion	1.00	0.738		ug/L	74%	18 - 161	7084017	08/24/07 01:01
Malathion	5.00	4.45		ug/L	89%	22 - 134	7084017	08/24/07 01:01
Mevinphos	1.00	0.355		ug/L	36%	10 - 167	7084017	08/24/07 01:01
Naled	1.00	ND	L2	ug/L	0%	10 - 196	7084017	08/24/07 01:01
Parathion-ethyl	5.00	6.09		ug/L	122%	13 - 186	7084017	08/24/07 01:01
Parathion-methyl	1.00	0.857		ug/L	86%	10 - 143	7084017	08/24/07 01:01
Phorate	1.00	0.915		ug/L	92%	17 - 142	7084017	08/24/07 01:01
Ronnel	1.00	0.802		ug/L	80%	13 - 155	7084017	08/24/07 01:01
Stirophos	1.00	0.732		ug/L	73%	10 - 167	7084017	08/24/07 01:01
Sulfotep	5.00	3.56		ug/L	71%	15 - 142	7084017	08/24/07 01:01
Tokuthion(prothiofos)	1.00	0.846		ug/L	85%	20 - 134	7084017	08/24/07 01:01
Trichloronate	1.00	0.499		ug/L	50%	23 - 149	7084017	08/24/07 01:01
Surrogate: Tributyl phosphate	5.00	3.78			76%	33 - 146	7084017	08/24/07 01:01
Surrogate: Triphenyl phosphate	5.00	4.09			82%	31 - 151	7084017	08/24/07 01:01
7085083-BS1								
Azinphos-methyl	0.100	0.0973		mg/kg	97%	60 - 140	7085083	08/30/07 00:17
Bolstar	0.100	0.0914		mg/kg	91%	60 - 140	7085083	08/30/07 00:17
Chlorpyrifos	0.100	0.0946		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Coumaphos	0.100	0.0999		mg/kg	100%	60 - 140	7085083	08/30/07 00:17
Demeton (2C)	0.100	0.0892		mg/kg	89%	60 - 140	7085083	08/30/07 00:17
Diazinon	0.100	0.0953		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Dichlorvos	0.100	0.0916		mg/kg	92%	60 - 140	7085083	08/30/07 00:17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Organophosphorus Pesticides by EPA Method 8141A								
7085083-BS1								
Dimethoate	0.500	0.418		mg/kg	84%	60 - 140	7085083	08/30/07 00:17
Disulfoton	0.100	0.0878		mg/kg	88%	60 - 140	7085083	08/30/07 00:17
EPN	0.500	0.443		mg/kg	89%	60 - 140	7085083	08/30/07 00:17
Ethoprop	0.100	0.0948		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Fensulfothion	0.100	0.0594	L2	mg/kg	59%	60 - 140	7085083	08/30/07 00:17
Fenthion	0.100	ND	L2	mg/kg	0%	60 - 140	7085083	08/30/07 00:17
Malathion	0.500	0.455		mg/kg	91%	60 - 140	7085083	08/30/07 00:17
Mevinphos	0.100	0.0518	L2	mg/kg	52%	60 - 140	7085083	08/30/07 00:17
Naled	0.100	0.0310	L2	mg/kg	31%	60 - 140	7085083	08/30/07 00:17
Parathion-ethyl	0.500	0.353		mg/kg	71%	60 - 140	7085083	08/30/07 00:17
Parathion-methyl	0.100	0.0921		mg/kg	92%	60 - 140	7085083	08/30/07 00:17
Phorate	0.100	0.104		mg/kg	104%	60 - 140	7085083	08/30/07 00:17
Ronnel	0.100	0.0871		mg/kg	87%	60 - 140	7085083	08/30/07 00:17
Stirophos	0.100	0.0926		mg/kg	93%	60 - 140	7085083	08/30/07 00:17
Sulfotep	0.500	0.474		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Tokuthion(prothiofos)	0.100	0.0921		mg/kg	92%	60 - 140	7085083	08/30/07 00:17
Trichloronate	0.100	0.0468	L2	mg/kg	47%	60 - 140	7085083	08/30/07 00:17
Surrogate: Tributyl phosphate	0.500	0.487			97%	52 - 127	7085083	08/30/07 00:17
Surrogate: Triphenyl phosphate	0.500	0.480			96%	60 - 140	7085083	08/30/07 00:17

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THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7083924-BSD1												
Strontium		1.00		mg/L	1.00	100%	80 - 120	2	20	7083924		08/23/07 11:10
7084037-BSD1												
Strontium		202		mg/kg	200	101%	80 - 120	0.2	20	7084037		08/22/07 13:55

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THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2278
Project Name: AWS
Project Number: 07080240
Received: 08/18/07 10:10

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
7083924-MS1										
Strontium	0.613	1.64		mg/L	1.00	102%	75 - 125	7083924	NQH2312-04	08/23/07 13:05
7084037-MS1										
Strontium	25.6	202		mg/kg	200	88%	75 - 125	7084037	NQH2252-01	08/22/07 14:04
Organophosphorus Pesticides by EPA Method 8141A										
7085083-MS1										
Azinphos-methyl	ND	0.0600		mg/kg	0.0939	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Bolstar	ND	0.0657		mg/kg	0.0939	70%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Chlorpyrifos	ND	0.0671		mg/kg	0.0939	72%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Coumaphos	ND	0.0649		mg/kg	0.0939	69%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Demeton (2C)	ND	0.0509	M8	mg/kg	0.0939	54%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Diazinon	ND	0.0653		mg/kg	0.0939	70%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Dichlorvos	ND	0.0618		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Dimethoate	ND	0.299		mg/kg	0.469	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Disulfoton	ND	0.0587		mg/kg	0.0939	62%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
EPN	ND	0.299		mg/kg	0.469	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Ethoprop	ND	0.0623		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Fensulfothion	ND	0.0421	M8	mg/kg	0.0939	45%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Fenthion	ND	ND	M8	mg/kg	0.0939	0%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Malathion	ND	0.318		mg/kg	0.469	68%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Mevinphos	ND	0.0443	M8	mg/kg	0.0939	47%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Naled	ND	0.00761	M8	mg/kg	0.0939	8%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Parathion-ethyl	ND	0.255	M8	mg/kg	0.469	54%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Parathion-methyl	ND	0.0623		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Phorate	ND	0.126		mg/kg	0.0939	134%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Ronnel	ND	0.0620		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Stirophos	ND	0.0608		mg/kg	0.0939	65%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Sulfotep	ND	0.262	M8	mg/kg	0.469	56%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Tokuthion(prothiofos)	ND	0.0635		mg/kg	0.0939	68%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Trichloronate	ND	0.0268	M8	mg/kg	0.0939	28%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Surrogate: Tributyl phosphate		0.288		mg/kg	0.469	61%	52 - 127	7085083	NQH2278-02	08/30/07 00:53
Surrogate: Triphenyl phosphate		0.306		mg/kg	0.469	65%	60 - 140	7085083	NQH2278-02	08/30/07 00:53

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2278
Project Name: AWS
Project Number: 07080240
Received: 08/18/07 10:10

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7083924-MSD1												
Strontium	0.613	1.63		mg/L	1.00	102%	75 - 125	0.4	20	7083924	NQH2312-04	08/23/07 13:10
7084037-MSD1												
Strontium	25.6	200		mg/kg	201	87%	75 - 125	0.9	20	7084037	NQH2252-01	08/22/07 14:08
Organophosphorus Pesticides by EPA Method 8141A												
7085083-MSD1												
Azinphos-methyl	ND	0.0647		mg/kg	0.0998	65%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Bolstar	ND	0.0693		mg/kg	0.0998	69%	60 - 140	5	20	7085083	NQH2278-02	08/30/07 01:30
Chlorpyrifos	ND	0.0724		mg/kg	0.0998	73%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Coumaphos	ND	0.0767		mg/kg	0.0998	77%	60 - 140	17	20	7085083	NQH2278-02	08/30/07 01:30
Demeton (2C)	ND	0.0589	M8	mg/kg	0.0998	59%	60 - 140	15	20	7085083	NQH2278-02	08/30/07 01:30
Diazinon	ND	0.0798		mg/kg	0.0998	80%	60 - 140	20	20	7085083	NQH2278-02	08/30/07 01:30
Dichlorvos	ND	0.0845	R2	mg/kg	0.0998	85%	60 - 140	31	20	7085083	NQH2278-02	08/30/07 01:30
Dimethoate	ND	0.335		mg/kg	0.499	67%	60 - 140	11	20	7085083	NQH2278-02	08/30/07 01:30
Disulfoton	ND	0.0688		mg/kg	0.0998	69%	60 - 140	16	20	7085083	NQH2278-02	08/30/07 01:30
EPN	ND	0.334		mg/kg	0.499	67%	60 - 140	11	20	7085083	NQH2278-02	08/30/07 01:30
Ethoprop	ND	0.0703		mg/kg	0.0998	70%	60 - 140	12	20	7085083	NQH2278-02	08/30/07 01:30
Fensulfothion	ND	ND	M8	mg/kg	0.0998	0%	60 - 140		20	7085083	NQH2278-02	08/30/07 01:30
Fenthion	ND	ND	M8	mg/kg	0.0998	0%	60 - 140		20	7085083	NQH2278-02	08/30/07 01:30
Malathion	ND	0.332		mg/kg	0.499	67%	60 - 140	4	20	7085083	NQH2278-02	08/30/07 01:30
Mevinphos	ND	0.0385	M8	mg/kg	0.0998	39%	60 - 140	14	20	7085083	NQH2278-02	08/30/07 01:30
Naled	ND	0.0193	M8, R2	mg/kg	0.0998	19%	60 - 140	87	20	7085083	NQH2278-02	08/30/07 01:30
Parathion-ethyl	ND	0.279	M8	mg/kg	0.499	56%	60 - 140	9	20	7085083	NQH2278-02	08/30/07 01:30
Parathion-methyl	ND	0.0700		mg/kg	0.0998	70%	60 - 140	12	20	7085083	NQH2278-02	08/30/07 01:30
Phorate	ND	0.117		mg/kg	0.0998	117%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Ronnel	ND	0.0687		mg/kg	0.0998	69%	60 - 140	10	20	7085083	NQH2278-02	08/30/07 01:30
Stirophos	ND	0.0620		mg/kg	0.0998	62%	60 - 140	2	20	7085083	NQH2278-02	08/30/07 01:30
Sulfotep	ND	0.310		mg/kg	0.499	62%	60 - 140	17	20	7085083	NQH2278-02	08/30/07 01:30
Tokuthion(prothiofos)	ND	0.0677		mg/kg	0.0998	68%	60 - 140	6	20	7085083	NQH2278-02	08/30/07 01:30
Trichloronate	ND	0.0195	M8, R2	mg/kg	0.0998	20%	60 - 140	32	20	7085083	NQH2278-02	08/30/07 01:30
Surrogate: Tributyl phosphate		0.348		mg/kg	0.499	70%	52 - 127			7085083	NQH2278-02	08/30/07 01:30
Surrogate: Triphenyl phosphate		0.358		mg/kg	0.499	72%	60 - 140			7085083	NQH2278-02	08/30/07 01:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Virginia
SW846 6010B	Soil	N/A	X	N/A
SW846 6010B	Water	N/A	X	N/A
SW846 8141A	Soil	N/A	X	N/A
SW846 8141A	Water	N/A	X	N/A

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2278
		Project Name:	AWS
		Project Number:	07080240
Attn	AWS PM	Received:	08/18/07 10:10

DATA QUALIFIERS AND DEFINITIONS

CF6	Results confirmed by reanalysis.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
Z6	Surrogate recovery was below acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

NQH2278

Cooler Received/Opened On 08/18/2007 @ 1010

1. Tracking # 12 F15 116 ED1 9877 0657 (last 4 digits, FedEx)

Courier: UPS IR Gun ID Raynger ST

2. Temperature of rep. sample or temp blank when opened: 23.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None water

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

   If preservation in-house was needed, record standard ID of preservative used here_____

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# 45010

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

TA - TN

AIR WATER & SOIL LABORATORIES, INC.
2109A NORTH HAMILTON STREET
RICHMOND, VIRGINIA 23230
(804) 358-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

PAGE _____ OF _____

CLIENT NAME: AWS	PROJECT NAME:
CLIENT CONTACT: Jessica Comstock	SITE NAME:
CLIENT ADDRESS:	PROJECT NUMBER:
CLIENT PHONE NUMBER:	P.O. NUMBER:
CLIENT FAX NUMBER:	REGULATORY AUTHORITY:

Is sample for compliance reporting? YES NO | Is sample from a chlorinated supply? YES NO | PWS I.D. #:

SAMPLER NAME (PRINT): | SAMPLER SIGNATURE: | **Turn Around Time:** 10 **Day(s)**

Have ammonia and TKN samples been verified to be dechlorinated at the time of sampling?: YES NO

CLIENT SAMPLE I.D.	Composite Start Date	Composite Start Time	Grab or Composite Stop Date	Grab or Composite Stop Time	Number of Containers	Grab	Composite	Field Filtered (Dissolved Metals)	MATRIX: Ground Water / Surface Water	Waste Water / Storm Water	Drinking Water	Soil	Solids	Other	ANALYSIS: Strontium	O-Post 8141					COMMENTS
1) 0708024-001			8/15/07	0900	2				X						X	X				01	
2) 0708024-002			8/15/07	1000	1							X			X	X				2	
3) -003			↓	1240	1							X			X	X				3	
4) -004			↓	1500	1							X			X	X				4	
5) -005			"	1600	1							X			X	X				5	
6)																					
7)																					
8)																					
9)																					
10)																					

Quote I.D.:

PLEASE NOTE PRESERVATIVE(S) or PUMP RATE (L/min)

NQH2278
09/04/07 23:59

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	8/16/07	UPS next day	
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
		[signature]	8/16/07 10:10
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
- Level I ☐
- Level II ☐
- Level III ☐
- Level IV ☐

LAB USE ONLY

COOLER TEMP _____ °C

AWS COC v070329.xls

TestAmerica INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	pbuckingham	**Phone:**		NC Closed	: :
Client Name:	Air Water & Soil La	**Sample Range:**		Date Closed	
Client Contact:		**SDG:**			
Client Account:	510490	**Analyst:**			
Date Created:	8/18/2007	**Supervisor:**			
NC #:		**NC Type:**			
Project Name:		**Terminal Manager:**			
Project Number:					
Project Origin					
Regulatory :					

Process: Temperature outside Method Allowance- Run or Do Not Run?

Corrected By: Jennifer Gambill

Action: Corrective action not chosen

Closed:

Comments:

Comment added by: jgambill on 8/20/2007 10:51:26 AM
Sent email to Jessica.

****

Comment added by: pbuckingham on 8/18/2007 3:48:58 PM
23.5.

****

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2389-01 (07080253-001 - Ground Water) Sampled: 08/16/07 08:30								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/L	0.0500	1	08/27/07 15:51	SW846 6010B	7084687
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Bolstar	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Chlorpyrifos	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Coumaphos	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Demeton	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Diazinon	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Dichlorvos	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Dimethoate	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Disulfoton	ND	L1	ug/L	2.02	1	08/24/07 02:51	SW846 8141A	7084017
EPN	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Ethoprop	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Fensulfothion	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Fenthion	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Malathion	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Mevinphos	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Naled	ND	L2	ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Parathion-ethyl	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Parathion-methyl	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Phorate	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Ronnel	ND		ug/L	2.02	1	08/24/07 02:51	SW846 8141A	7084017
Stirophos	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Sulfotep	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Tokuthion (Prothiofos)	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Trichloronate	ND		ug/L	1.01	1	08/24/07 02:51	SW846 8141A	7084017
Surr: Tributyl phosphate (33-146%)	*54 %*					*08/24/07 02:51*	*SW846 8141A*	*7084017*
Surr: Triphenyl phosphate (31-151%)	*70 %*					*08/24/07 02:51*	*SW846 8141A*	*7084017*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2389-02 (07080253-002 - Soil) Sampled: 08/16/07 11:25								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	9.88	1	08/24/07 10:23	SW846 6010B	7084264
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Bolstar	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Chlorpyrifos	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Coumaphos	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Demeton	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Diazinon	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Dichlorvos	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Dimethoate	ND		mg/kg	0.186	1	08/30/07 06:58	SW846 8141A	7085083
Disulfoton	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
EPN	ND		mg/kg	0.928	1	08/30/07 06:58	SW846 8141A	7085083
Ethoprop	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Fensulfothion	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Fenthion	ND	CF6, L2	mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Malathion	ND		mg/kg	0.186	1	08/30/07 06:58	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Parathion-ethyl	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Parathion-methyl	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Phorate	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Ronnel	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Stirophos	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Sulfotep	ND		mg/kg	0.928	1	08/30/07 06:58	SW846 8141A	7085083
Tokuthion(prothiofos)	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Trichloronate	ND		mg/kg	0.0928	1	08/30/07 06:58	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*52 %*					*08/30/07 06:58*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*60 %*					*08/30/07 06:58*	*SW846 8141A*	*7085083*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091)	Work Order:	NQH2389
	2109 N. Hamilton Street	Project Name:	AWS
	Richmond, VA 23230	Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2389-03 (07080253-003 - Soil) Sampled: 08/16/07 14:15								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	10.1	1	08/24/07 10:37	SW846 6010B	7084264
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Bolstar	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Chlorpyrifos	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Coumaphos	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Demeton	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Diazinon	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Dichlorvos	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Dimethoate	ND		mg/kg	0.186	1	08/30/07 07:34	SW846 8141A	7085083
Disulfoton	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
EPN	ND		mg/kg	0.931	1	08/30/07 07:34	SW846 8141A	7085083
Ethoprop	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Fensulfothion	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Fenthion	ND	CF6, L2	mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Malathion	ND		mg/kg	0.186	1	08/30/07 07:34	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Parathion-ethyl	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Parathion-methyl	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Phorate	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Ronnel	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Stirophos	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Sulfotep	ND		mg/kg	0.931	1	08/30/07 07:34	SW846 8141A	7085083
Tokuthion(prothiofos)	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Trichloronate	ND		mg/kg	0.0931	1	08/30/07 07:34	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*69 %*					*08/30/07 07:34*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*75 %*					*08/30/07 07:34*	*SW846 8141A*	*7085083*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091)	Work Order:	NQH2389
	2109 N. Hamilton Street	Project Name:	AWS
	Richmond, VA 23230	Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH2389-04 (07080253-004 - Soil) Sampled: 08/16/07 15:10								
Total Metals by EPA Method 6010B								
Strontium	ND		mg/kg	10.1	1	08/24/07 10:41	SW846 6010B	7084264
Organophosphorus Pesticides by EPA Method 8141A								
Azinphos-methyl	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Bolstar	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Chlorpyrifos	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Coumaphos	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Demeton	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Diazinon	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Dichlorvos	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Dimethoate	ND		mg/kg	0.183	1	08/30/07 08:11	SW846 8141A	7085083
Disulfoton	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
EPN	ND		mg/kg	0.917	1	08/30/07 08:11	SW846 8141A	7085083
Ethoprop	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Fensulfothion	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Fenthion	ND	CF6, L2	mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Malathion	ND		mg/kg	0.183	1	08/30/07 08:11	SW846 8141A	7085083
Mevinphos	ND	CF6, L2	mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Naled	ND	CF6, L2	mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Parathion-ethyl	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Parathion-methyl	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Phorate	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Ronnel	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Stirophos	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Sulfotep	ND		mg/kg	0.917	1	08/30/07 08:11	SW846 8141A	7085083
Tokuthion(prothiofos)	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Trichloronate	ND		mg/kg	0.0917	1	08/30/07 08:11	SW846 8141A	7085083
Surr: Tributyl phosphate (52-127%)	*58 %*					*08/30/07 08:11*	*SW846 8141A*	*7085083*
Surr: Triphenyl phosphate (60-140%)	*62 %*					*08/30/07 08:11*	*SW846 8141A*	*7085083*

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THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2389
Project Name: AWS
Project Number: 07080253
Received: 08/21/07 09:36

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Organophosphorus Pesticides by EPA Method 8141A							
SW846 8141A	7084017	NQH2389-01	990.00	1.00	08/22/07 08:36	LRW	EPA 3510C
SW846 8141A	7085083	NQH2389-02	10.78	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2389-02RE1	10.09	1.00	08/30/07 16:30	BJM	EPA 3545
SW846 8141A	7085083	NQH2389-03	10.74	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2389-03RE1	10.60	1.00	08/30/07 16:30	BJM	EPA 3545
SW846 8141A	7085083	NQH2389-04	10.90	1.00	08/28/07 08:30	DCW	EPA 3545
SW846 8141A	7085769	NQH2389-04RE1	10.30	1.00	08/30/07 16:30	BJM	EPA 3545
Total Metals by EPA Method 6010B							
SW846 6010B	7084687	NQH2389-01	50.00	50.00	08/27/07 10:00	AMB	EPA 3010A / 6010
SW846 6010B	7084264	NQH2389-02	0.51	100.00	08/23/07 07:14	LTB	EPA 3051 / 6010
SW846 6010B	7084264	NQH2389-03	0.50	100.00	08/23/07 07:14	LTB	EPA 3051 / 6010
SW846 6010B	7084264	NQH2389-04	0.50	100.00	08/23/07 07:14	LTB	EPA 3051 / 6010

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THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
7084264-BLK1						
Strontium	<0.0988		mg/kg	7084264	7084264-BLK1	08/24/07 10:06
7084687-BLK1						
Strontium	<0.0100		mg/L	7084687	7084687-BLK1	08/27/07 15:42
Organophosphorus Pesticides by EPA Method 8141A						
7084017-BLK1						
Azinphos-methyl	<0.170		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Bolstar	<0.0900		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Chlorpyrifos	<0.110		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Coumaphos	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Demeton	<0.0400		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Diazinon	<0.160		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Dichlorvos	<0.0700		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Dimethoate	<0.730		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Disulfoton	<0.200		ug/L	7084017	7084017-BLK1	08/24/07 00:25
EPN	<0.160		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Ethoprop	<0.230		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Fensulfothion	<0.520		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Fenthion	<0.120		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Malathion	<0.0500		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Mevinphos	<0.350		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Naled	<0.480		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Parathion-ethyl	<0.370		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Parathion-methyl	<0.0600		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Phorate	<0.120		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Ronnel	<0.0800		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Stirophos	<0.0800		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Sulfotep	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Tokuthion (Prothiofos)	<0.100		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Trichloronate	<0.110		ug/L	7084017	7084017-BLK1	08/24/07 00:25
Surrogate: Tributyl phosphate	52%			7084017	7084017-BLK1	08/24/07 00:25
Surrogate: Triphenyl phosphate	70%			7084017	7084017-BLK1	08/24/07 00:25
7085083-BLK1						
Azinphos-methyl	<0.0200		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Bolstar	<0.0220		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Chlorpyrifos	<0.0160		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Coumaphos	<0.0160		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Demeton (2C)	<0.0500		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Diazinon	<0.0220		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Dichlorvos	<0.0150		mg/kg	7085083	7085083-BLK1	08/29/07 23:40

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091)	Work Order:	NQH2389
	2109 N. Hamilton Street	Project Name:	AWS
	Richmond, VA 23230	Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Organophosphorus Pesticides by EPA Method 8141A						
7085083-BLK1						
Dimethoate	<0.0690		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Disulfoton	<0.0140		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
EPN	<0.0110		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Ethoprop	<0.0180		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Fensulfothion	<0.0620		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Fenthion	<0.0210		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Malathion	<0.0130		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Mevinphos	<0.0260		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Naled	<0.0310		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Parathion-ethyl	<0.0550		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Parathion-methyl	<0.0090O		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Phorate	<0.0170		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Ronnel	<0.0120		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Stirophos	<0.0130		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Sulfotep	<0.0140		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Tokuthion(prothiofos)	<0.0190		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Trichloronate	<0.0200		mg/kg	7085083	7085083-BLK1	08/29/07 23:40
Surrogate: Tributyl phosphate	84%			7085083	7085083-BLK1	08/29/07 23:40
Surrogate: Triphenyl phosphate	84%			7085083	7085083-BLK1	08/29/07 23:40

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
7084264-BS1								
Strontium	200	190		mg/kg	95%	80 - 120	7084264	08/24/07 10:10
7084687-BS1								
Strontium	1.00	1.00		mg/L	100%	80 - 120	7084687	08/27/07 15:47
Organophosphorus Pesticides by EPA Method 8141A								
7084017-BS1								
Azinphos-methyl	1.00	0.885		ug/L	88%	14 - 160	7084017	08/24/07 01:01
Bolstar	1.00	0.825		ug/L	82%	28 - 124	7084017	08/24/07 01:01
Chlorpyrifos	1.00	0.711		ug/L	71%	10 - 133	7084017	08/24/07 01:01
Coumaphos	1.00	0.795		ug/L	80%	16 - 151	7084017	08/24/07 01:01
Demeton	1.00	0.575		ug/L	58%	10 - 200	7084017	08/24/07 01:01
Diazinon	1.00	1.03		ug/L	103%	10 - 192	7084017	08/24/07 01:01
Dichlorvos	1.00	0.559		ug/L	56%	10 - 142	7084017	08/24/07 01:01
Dimethoate	5.00	3.74		ug/L	75%	10 - 200	7084017	08/24/07 01:01
Disulfoton	1.00	1.25	L1	ug/L	125%	20 - 120	7084017	08/24/07 01:01
EPN	5.00	3.93		ug/L	79%	10 - 200	7084017	08/24/07 01:01
Ethoprop	1.00	0.824		ug/L	82%	22 - 178	7084017	08/24/07 01:01
Fensulfothion	1.00	0.700		ug/L	70%	18 - 146	7084017	08/24/07 01:01
Fenthion	1.00	0.738		ug/L	74%	18 - 161	7084017	08/24/07 01:01
Malathion	5.00	4.45		ug/L	89%	22 - 134	7084017	08/24/07 01:01
Mevinphos	1.00	0.355		ug/L	36%	10 - 167	7084017	08/24/07 01:01
Naled	1.00	ND	L2	ug/L	0%	10 - 196	7084017	08/24/07 01:01
Parathion-ethyl	5.00	6.09		ug/L	122%	13 - 186	7084017	08/24/07 01:01
Parathion-methyl	1.00	0.857		ug/L	86%	10 - 143	7084017	08/24/07 01:01
Phorate	1.00	0.915		ug/L	92%	17 - 142	7084017	08/24/07 01:01
Ronnel	1.00	0.802		ug/L	80%	13 - 155	7084017	08/24/07 01:01
Stirophos	1.00	0.732		ug/L	73%	10 - 167	7084017	08/24/07 01:01
Sulfotep	5.00	3.56		ug/L	71%	15 - 142	7084017	08/24/07 01:01
Tokuthion(prothiofos)	1.00	0.846		ug/L	85%	20 - 134	7084017	08/24/07 01:01
Trichloronate	1.00	0.499		ug/L	50%	23 - 149	7084017	08/24/07 01:01
Surrogate: Tributyl phosphate	5.00	3.78			76%	33 - 146	7084017	08/24/07 01:01
Surrogate: Triphenyl phosphate	5.00	4.09			82%	31 - 151	7084017	08/24/07 01:01
7085083-BS1								
Azinphos-methyl	0.100	0.0973		mg/kg	97%	60 - 140	7085083	08/30/07 00:17
Bolstar	0.100	0.0914		mg/kg	91%	60 - 140	7085083	08/30/07 00:17
Chlorpyrifos	0.100	0.0946		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Coumaphos	0.100	0.0999		mg/kg	100%	60 - 140	7085083	08/30/07 00:17
Demeton (2C)	0.100	0.0892		mg/kg	89%	60 - 140	7085083	08/30/07 00:17
Diazinon	0.100	0.0953		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Dichlorvos	0.100	0.0916		mg/kg	92%	60 - 140	7085083	08/30/07 00:17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Organophosphorus Pesticides by EPA Method 8141A								
7085083-BS1								
Dimethoate	0.500	0.418		mg/kg	84%	60 - 140	7085083	08/30/07 00:17
Disulfoton	0.100	0.0878		mg/kg	88%	60 - 140	7085083	08/30/07 00:17
EPN	0.500	0.443		mg/kg	89%	60 - 140	7085083	08/30/07 00:17
Ethoprop	0.100	0.0948		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Fensulfothion	0.100	0.0594	L2	mg/kg	59%	60 - 140	7085083	08/30/07 00:17
Fenthion	0.100	ND	L2	mg/kg	0%	60 - 140	7085083	08/30/07 00:17
Malathion	0.500	0.455		mg/kg	91%	60 - 140	7085083	08/30/07 00:17
Mevinphos	0.100	0.0518	L2	mg/kg	52%	60 - 140	7085083	08/30/07 00:17
Naled	0.100	0.0310	L2	mg/kg	31%	60 - 140	7085083	08/30/07 00:17
Parathion-ethyl	0.500	0.353		mg/kg	71%	60 - 140	7085083	08/30/07 00:17
Parathion-methyl	0.100	0.0921		mg/kg	92%	60 - 140	7085083	08/30/07 00:17
Phorate	0.100	0.104		mg/kg	104%	60 - 140	7085083	08/30/07 00:17
Ronnel	0.100	0.0871		mg/kg	87%	60 - 140	7085083	08/30/07 00:17
Stirophos	0.100	0.0926		mg/kg	93%	60 - 140	7085083	08/30/07 00:17
Sulfotep	0.500	0.474		mg/kg	95%	60 - 140	7085083	08/30/07 00:17
Tokuthion(prothiofos)	0.100	0.0921		mg/kg	92%	60 - 140	7085083	08/30/07 00:17
Trichloronate	0.100	0.0468	L2	mg/kg	47%	60 - 140	7085083	08/30/07 00:17
Surrogate: Tributyl phosphate	0.500	0.487			97%	52 - 127	7085083	08/30/07 00:17
Surrogate: Triphenyl phosphate	0.500	0.480			96%	60 - 140	7085083	08/30/07 00:17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7084264-BSD1												
Strontium		198		mg/kg	200	99%	80 - 120	4	20	7084264		08/24/07 10:19

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2389
Project Name: AWS
Project Number: 07080253
Received: 08/21/07 09:36

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
7084264-MS1										
Strontium	1.32	183		mg/kg	196	92%	75 - 125	7084264	NQH2389-02	08/24/07 10:28
7084687-MS1										
Strontium	1.12	2.06		mg/L	1.00	94%	75 - 125	7084687	NQH2844-01	08/27/07 16:56
Organophosphorus Pesticides by EPA Method 8141A										
7085083-MS1										
Azinphos-methyl	ND	0.0600		mg/kg	0.0939	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Bolstar	ND	0.0657		mg/kg	0.0939	70%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Chlorpyrifos	ND	0.0671		mg/kg	0.0939	72%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Coumaphos	ND	0.0649		mg/kg	0.0939	69%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Demeton (2C)	ND	0.0509	M8	mg/kg	0.0939	54%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Diazinon	ND	0.0653		mg/kg	0.0939	70%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Dichlorvos	ND	0.0618		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Dimethoate	ND	0.299		mg/kg	0.469	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Disulfoton	ND	0.0587		mg/kg	0.0939	62%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
EPN	ND	0.299		mg/kg	0.469	64%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Ethoprop	ND	0.0623		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Fensulfothion	ND	0.0421	M8	mg/kg	0.0939	45%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Fenthion	ND	ND	M8	mg/kg	0.0939	0%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Malathion	ND	0.318		mg/kg	0.469	68%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Mevinphos	ND	0.0443	M8	mg/kg	0.0939	47%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Naled	ND	0.00761	M8	mg/kg	0.0939	8%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Parathion-ethyl	ND	0.255	M8	mg/kg	0.469	54%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Parathion-methyl	ND	0.0623		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Phorate	ND	0.126		mg/kg	0.0939	134%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Ronnel	ND	0.0620		mg/kg	0.0939	66%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Stirophos	ND	0.0608		mg/kg	0.0939	65%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Sulfotep	ND	0.262	M8	mg/kg	0.469	56%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Tokuthion(prothiofos)	ND	0.0635		mg/kg	0.0939	68%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Trichloronate	ND	0.0268	M8	mg/kg	0.0939	28%	60 - 140	7085083	NQH2278-02	08/30/07 00:53
Surrogate: Tributyl phosphate		0.288		mg/kg	0.469	61%	52 - 127	7085083	NQH2278-02	08/30/07 00:53
Surrogate: Triphenyl phosphate		0.306		mg/kg	0.469	65%	60 - 140	7085083	NQH2278-02	08/30/07 00:53

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Air Water & Soil Laboratories (7091)
2109 N. Hamilton Street
Richmond, VA 23230
Attn AWS PM

Work Order: NQH2389
Project Name: AWS
Project Number: 07080253
Received: 08/21/07 09:36

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7084264-MSD1												
Strontium	1.32	191		mg/kg	194	98%	75 - 125	4	20	7084264	NQH2389-02	08/24/07 10:32
7084687-MSD1												
Strontium	1.12	2.06		mg/L	1.00	93%	75 - 125	0.2	20	7084687	NQH2844-01	08/27/07 17:00
Organophosphorus Pesticides by EPA Method 8141A												
7085083-MSD1												
Azinphos-methyl	ND	0.0647		mg/kg	0.0998	65%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Bolstar	ND	0.0693		mg/kg	0.0998	69%	60 - 140	5	20	7085083	NQH2278-02	08/30/07 01:30
Chlorpyrifos	ND	0.0724		mg/kg	0.0998	73%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Coumaphos	ND	0.0767		mg/kg	0.0998	77%	60 - 140	17	20	7085083	NQH2278-02	08/30/07 01:30
Demeton (2C)	ND	0.0589	M8	mg/kg	0.0998	59%	60 - 140	15	20	7085083	NQH2278-02	08/30/07 01:30
Diazinon	ND	0.0798		mg/kg	0.0998	80%	60 - 140	20	20	7085083	NQH2278-02	08/30/07 01:30
Dichlorvos	ND	0.0845	R2	mg/kg	0.0998	85%	60 - 140	31	20	7085083	NQH2278-02	08/30/07 01:30
Dimethoate	ND	0.335		mg/kg	0.499	67%	60 - 140	11	20	7085083	NQH2278-02	08/30/07 01:30
Disulfoton	ND	0.0688		mg/kg	0.0998	69%	60 - 140	16	20	7085083	NQH2278-02	08/30/07 01:30
EPN	ND	0.334		mg/kg	0.499	67%	60 - 140	11	20	7085083	NQH2278-02	08/30/07 01:30
Ethoprop	ND	0.0703		mg/kg	0.0998	70%	60 - 140	12	20	7085083	NQH2278-02	08/30/07 01:30
Fensulfothion	ND	ND	M8	mg/kg	0.0998	0%	60 - 140		20	7085083	NQH2278-02	08/30/07 01:30
Fenthion	ND	ND	M8	mg/kg	0.0998	0%	60 - 140		20	7085083	NQH2278-02	08/30/07 01:30
Malathion	ND	0.332		mg/kg	0.499	67%	60 - 140	4	20	7085083	NQH2278-02	08/30/07 01:30
Mevinphos	ND	0.0385	M8	mg/kg	0.0998	39%	60 - 140	14	20	7085083	NQH2278-02	08/30/07 01:30
Naled	ND	0.0193	M8, R2	mg/kg	0.0998	19%	60 - 140	87	20	7085083	NQH2278-02	08/30/07 01:30
Parathion-ethyl	ND	0.279	M8	mg/kg	0.499	56%	60 - 140	9	20	7085083	NQH2278-02	08/30/07 01:30
Parathion-methyl	ND	0.0700		mg/kg	0.0998	70%	60 - 140	12	20	7085083	NQH2278-02	08/30/07 01:30
Phorate	ND	0.117		mg/kg	0.0998	117%	60 - 140	7	20	7085083	NQH2278-02	08/30/07 01:30
Ronnel	ND	0.0687		mg/kg	0.0998	69%	60 - 140	10	20	7085083	NQH2278-02	08/30/07 01:30
Stirophos	ND	0.0620		mg/kg	0.0998	62%	60 - 140	2	20	7085083	NQH2278-02	08/30/07 01:30
Sulfotep	ND	0.310		mg/kg	0.499	62%	60 - 140	17	20	7085083	NQH2278-02	08/30/07 01:30
Tokuthion(prothiofos)	ND	0.0677		mg/kg	0.0998	68%	60 - 140	6	20	7085083	NQH2278-02	08/30/07 01:30
Trichloronate	ND	0.0195	M8, R2	mg/kg	0.0998	20%	60 - 140	32	20	7085083	NQH2278-02	08/30/07 01:30
Surrogate: Tributyl phosphate		0.348		mg/kg	0.499	70%	52 - 127			7085083	NQH2278-02	08/30/07 01:30
Surrogate: Triphenyl phosphate		0.358		mg/kg	0.499	72%	60 - 140			7085083	NQH2278-02	08/30/07 01:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Virginia
SW846 6010B	Soil	N/A	X	N/A
SW846 6010B	Water	N/A	X	N/A
SW846 8141A	Soil	N/A	X	N/A
SW846 8141A	Water	N/A	X	N/A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Air Water & Soil Laboratories (7091) 2109 N. Hamilton Street Richmond, VA 23230	Work Order:	NQH2389
		Project Name:	AWS
		Project Number:	07080253
Attn	AWS PM	Received:	08/21/07 09:36

DATA QUALIFIERS AND DEFINITIONS

CF6	Results confirmed by reanalysis.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

NQH2389

Cooler Received/Opened On_8/21/07 @ 09:36_

1. Tracking # FEF516E019290187B (last 4 digits, FedEx)

   Courier: __UPS__ IR Gun ID___A00466___

2. Temperature of rep. sample or temp blank when opened: 5.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: (1) Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

   If preservation in-house was needed, record standard ID of preservative used here_____

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

AIR WATER & SOIL LABORATORIES, INC.

T/A TN

2109A NORTH HAMILTON STREET
RICHMOND, VIRGINIA 23230
(804) 358-8295 PHONE
(804)358-8297 FAX

NQH2389
09/05/07 23:59

CHAIN OF CUSTODY

CLIENT NAME: AWS	PROJECT NAME:
CLIENT CONTACT:	SITE NAME:
CLIENT ADDRESS:	PROJECT NUMBER: 07080253
CLIENT PHONE NUMBER:	P.O. NUMBER:
CLIENT FAX NUMBER:	REGULATORY AUTHORITY:

Is sample for compliance reporting? YES NO | Is sample from a chlorinated supply? YES NO | PWS I.D. #:

SAMPLER NAME (PRINT): | SAMPLER SIGNATURE: | Turn Around Time: 10 Day(s)

Have ammonia and TKN samples been verified to be dechlorinated at the time of sampling?: YES NO

CLIENT SAMPLE I.D.	Composite Start Date	Composite Start Time	Grab or Composite Stop Date	Grab or Composite Stop Time	Number of Containers	Grab	Composite	Field Filtered (Dissolved Metals)	MATRIX: Ground Water / Surface Water	Waste Water / Storm Water	Drinking Water	Soil	Solids	Other	ANALYSIS: 0-Rest 8141	Strontium					COMMENTS: Quote I.D.: PLEASE NOTE PRESERVATIVE(S) or PUMP RATE (L/min)
1) 07080253-001			8/16/07	0830	1				X						X	X					NQH2389-01
2) 07080253-002			8/16/07	1125	2							X			X	X					02
3) -003			↓	1415	2							X			X	X					03
4) -004				1510	2							X			X	X					04
5)																					
6)																					
7)																					
8)																					
9)																					
10)																					

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	8/20/07 1600	UPS Next day	
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
RELINQUISHED:	DATE / TIME	RECEIVED: [signature]	DATE / TIME 8-21-07 @ 0750

QC Data Package
- Level I ☐
- Level II ☐
- Level III ☐
- Level IV ☐

LAB USE ONLY

COOLER TEMP 5.0 °C

AWS COC v070329.xls

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On: 8/24/07 @ 10:30

Tracking # 1ZF15 1E0 1988 1470 1

UPS Gun ID:92171982

1. Temperature of rep. sample or temp blank when opened: 7.8 *Degrees Celsius*
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA
4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where:_____
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

   If preservation in-house was needed, record standard ID of preservative used here_____
16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

Appendix H

A&L Laboratories, Inc.

Soil Analysis Report

Report Number:
R07235-0018

Account Number:
78862

A&L EASTERN LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

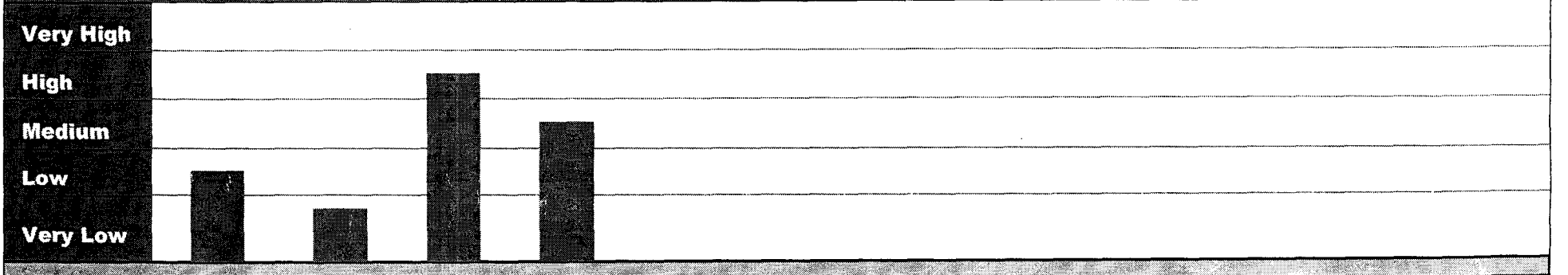
Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP1-S1A **Lab Number:** 16457 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	30	19	90	360								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
5.8	0.6	3.2	1.5	23.4	56.1		19.0	1.6					77

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		15.0	3.5	3.6	6	0.00							

Report Number:
R07235-0018
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Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP1-S1A **Lab Number:** 16457 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP1-S1A: Apply the amount of lime recommended in first page to raise pH
Sample DP1-S1A: Lime is insoluble in water thus move very slowly downward in the soil to raise the pH. For new grass field, the best result is to broadcast all the recommended lime over the surface, incorporate and mix 6 inches into the soil. If lime is not incorporated and mixed into the soil, lime application should NOT exceed 50 pounds per 1000 sq. feet per application. Split and apply every 4 to 6 month until the recommended amount is completed.
Sample DP1-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-0018

Account Number:
78862

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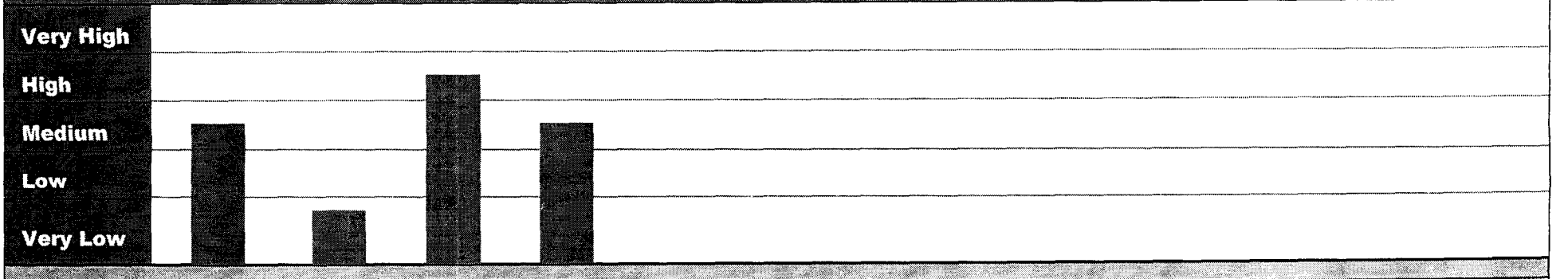
Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP2-S1A **Lab Number:** 16458 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	36	26	60	230								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
5.8	0.4	2.1	3.1	23.6	54.2		19.0	1.1					69

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		15.0	3.5	3.3	6	0.23							

Report Number:
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Account Number:
78862

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Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP2-S1A **Lab Number:** 16458 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP2-S1A: Apply the amount of lime recommended in first page to raise pH
Sample DP2-S1A: Lime is insoluble in water thus move very slowly downward in the soil to raise the pH. For new grass field, the best result is to broadcast all the recommended lime over the surface, incorporate and mix 6 inches into the soil. If lime is not incorporated and mixed into the soil, lime application should NOT exceed 50 pounds per 1000 sq. feet per application. Split and apply every 4 to 6 month until the recommended amount is completed.
Sample DP2-S1A: This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron . To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.
Sample DP2-S1A: If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.
Sample DP2-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-[illegible]18

Account Number:
78862

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7621 Whitepine Road • Richmond, Virginia 23237-2214
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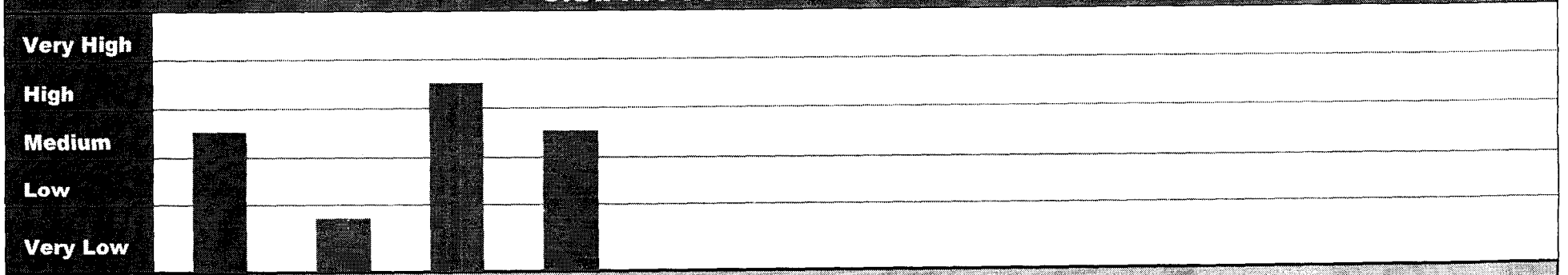
Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP3-S1A **Lab Number:** 16459 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	31	26	65	250								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
6.0	0.3	2.2	3.0	24.7	56.9		15.4	1.0					67

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		10.0	3.5	3.5	6	0.00							

Report Number:
R07231 18
Account Number:
78862

A&L EASTERN LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
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Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITESERTS

Sample Number: DP3-S1A **Lab Number:** 16459 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP3-S1A: Apply the amount of lime recommended in first page to raise pH
Sample DP3-S1A: Lime is insoluble in water thus move very slowly downward in the soil to raise the pH. For new grass field, the best result is to broadcast all the recommended lime over the surface, incorporate and mix 6 inches into the soil. If lime is not incorporated and mixed into the soil, lime application should NOT exceed 50 pounds per 1000 sq. feet per application. Split and apply every 4 to 6 month until the recommended amount is completed.
Sample DP3-S1A: This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron . To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.
Sample DP3-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-[illegible]8

Account Number:
78862

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7621 Whitepine Road • Richmond, Virginia 23237-2214
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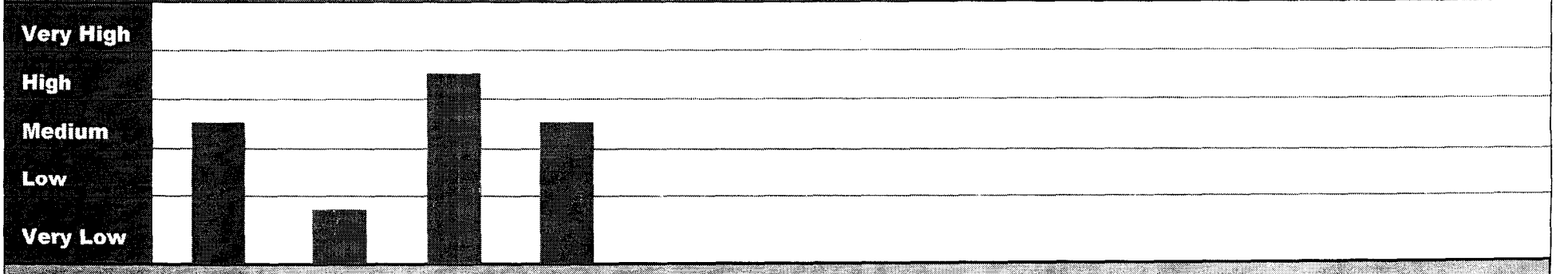
Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP4-S1A **Lab Number:** 16460 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	45	43	90	400								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
5.8	0.7	3.5	3.1	21.2	56.6		19.0	1.4					73

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		15.0	3.5	2.8	6	0.00							

Report Number:
R07235-0018
Account Number:
78862

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Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP4-S1A **Lab Number:** 16460 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP4-S1A: Apply the amount of lime recommended in first page to raise pH
Sample DP4-S1A: Lime is insoluble in water thus move very slowly downward in the soil to raise the pH. For new grass field, the best result is to broadcast all the recommended lime over the surface, incorporate and mix 6 inches into the soil. If lime is not incorporated and mixed into the soil, lime application should NOT exceed 50 pounds per 1000 sq. feet per application. Split and apply every 4 to 6 month until the recommended amount is completed.
Sample DP4-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-0018

Account Number:
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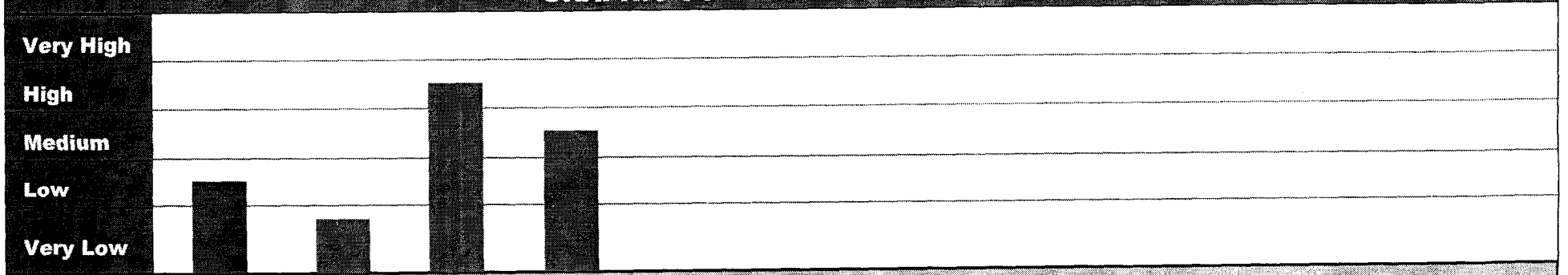
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP5-S1A **Lab Number:** 16461 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P Phosphorus	K Potassium	Mg Magnesium	Ca Calcium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	Na Sodium	Soluble Salts
ppm	21	18	35	150								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
5.8	0.3	1.3	3.4	21.7	55.8		19.0	0.3					54

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		15.0	3.5	4.0	6	0.77							

Report N ber:
R07235-0 .8
Account Number:
78862

A&L EASTERN L.BORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP5-S1A **Lab Number:** 16461 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP5-S1A: Apply the amount of lime recommended in first page to raise pH
Sample DP5-S1A: Lime is insoluble in water thus move very slowly downward in the soil to raise the pH. For new grass field, the best result is to broadcast all the recommended lime over the surface, incorporate and mix 6 inches into the soil. If lime is not incorporated and mixed into the soil, lime application should NOT exceed 50 pounds per 1000 sq. feet per application. Split and apply every 4 to 6 month until the recommended amount is completed.
Sample DP5-S1A: This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron . To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.
Sample DP5-S1A: If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.
Sample DP5-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-[illegible]8

Account Number:
78862

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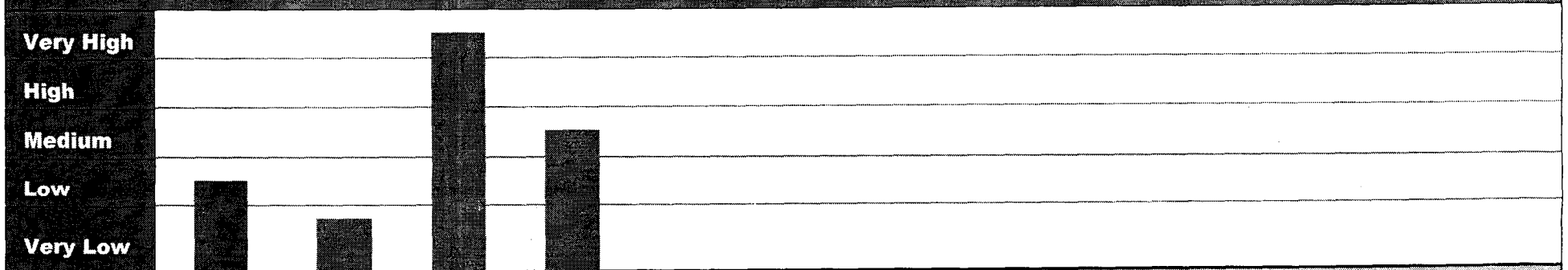
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP6-S1A **Lab Number:** 16462 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	15	17	60	220								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
6.6	0.1	1.7	2.5	28.6	63.0		5.9	0.3					54

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		0.0	3.5	4.3	6	0.23							

Report N· ·ber:
R07235-0 .3
Account Number:
78862

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Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP6-S1A **Lab Number:** 16462 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP6-S1A: This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron . To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.
Sample DP6-S1A: Apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.
Sample DP6-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Report Number:
R07235-[illegible]8

Account Number:
78862

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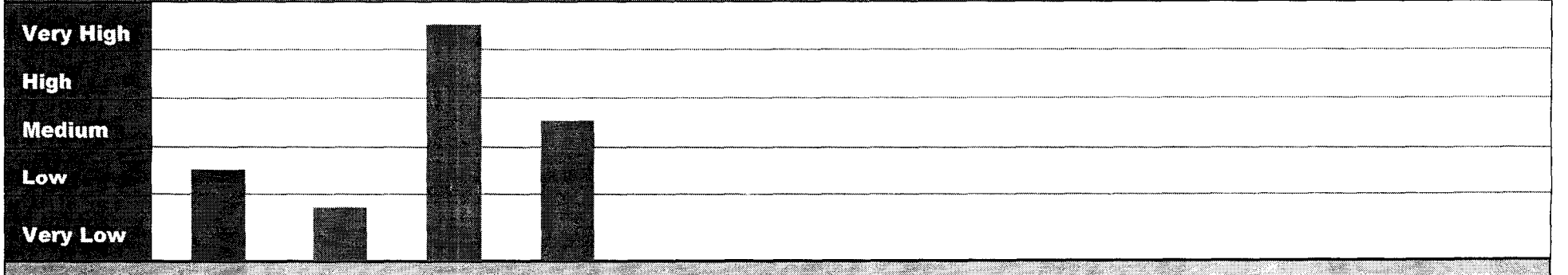
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP7-S1A **Lab Number:** 16463 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

GRAPHIC SOIL ANALYSIS REPORT



TEST RESULTS	P	K	Mg	Ca	S	Zn	Mn	Fe	Cu	B	Na	Soluble Salts
	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Sodium	
ppm	16	18	60	230								

pH	ACIDITY	C.E.C.	PERCENT BASE SATURATION					ORGANIC MATTER	NITRATE	CHLORIDE			ENR
Soil pH	H meq/100g	meq/100g	K %	Mg %	Ca %	Na %	H %	%	NO3-N ppm	Cl ppm			lbs/A
6.7	0.1	1.8	2.6	28.2	64.8		4.5	0.3					53

CROP	YIELD GOAL	SOIL FERTILITY RECOMMENDATIONS - POUNDS PER 1,000 SQUARE FEET											
		Lime	N Nitrogen	P2O5 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron	
Grass, Soil Stabliz.		0.0	3.5	4.3	6	0.23							

Report Number:
R07235-0[illegible]8
Account Number:
78862

A&L EASTERN LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

Send To: FROEHLING & ROBERTSON INC
1734 SEIBEL DR NE
ROANOKE, VA 24012

Grower: EROSION CONTROL

Submitted By: GREG WHITT

Sample Number: DP7-S1A **Lab Number:** 16463 **Date Received:** 8/23/2007 **Date Reported:** 8/27/2007

Comments:

Sample DP7-S1A: This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron . To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.
Sample DP7-S1A: Apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.
Sample DP7-S1A: All recommended fertilizers are on actual elemental basis. To convert to product basis, divide the recommended quantity in the first page by the percentage of the active ingredient then multiply by 100. If there is no fertilizer meets the ratio, you can use single element fertilizer such as Urea, Triplesuper Phosphate and Muriate of Potash to achieve the requirements. Consult the enclosed instruction sheet on lime and fertilizer application.

A&L Eastern Laboratories, Inc.

Paul Chu

Paul Chu, Ph.D.

Appendix I

AW&S Laboratories, Inc.

Certificates of Analysis

AIR WATER & SOIL LABORATORIES, INC.®
2109A North Hamilton Street • Richmond, Virginia 23230 • Tel: (804) 358-8295 Fax: (804) 358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 07080240

Client Name: Froehling & Robertson, Inc.
1734 Seibel Dr. NE
Roanoke, VA 24012

Date Issued: September 11, 2007

Submitted To: Gregory Whitt
Client Site I.D.: Pigg River

Project Number J62-110E
Purchase Order NA

Laboratory Sample ID	Sample ID	Sample Date	Receive Date
07080240-001	EQB-1	August 15, 2007	August 16, 2007
07080240-002	DP1-S1A	August 15, 2007	August 16, 2007
07080240-003	DP2-S1A	August 15, 2007	August 16, 2007
07080240-004	DP3-S1A	August 15, 2007	August 16, 2007
07080240-005	DP4-S1A	August 15, 2007	August 16, 2007
07080253-001	FB1	August 16, 2007	August 17, 2007
07080253-002	DP5-S1A	August 16, 2007	August 17, 2007
07080253-003	DP6-S1A	August 16, 2007	August 17, 2007
07080253-004	DP7-S1A	August 16, 2007	August 17, 2007

On August 16, 2007, five solid samples were received via courier for analysis per the attached Chain-Of-Custody (Lab ID 07080240). On August 17, 2007, three solid samples and one water were received via courier for analysis per the attached Chain-Of-Custody (Lab ID 07080253). The samples were received with sample containers intact by Georgianna Wenrich (AWS). Upon laboratory receipt, no deviations, discrepancies or irregularities were observed in sample condition, including holding times, temperature, containers or preservatives other than those notated on the chain-of-custody.

The samples were prepared and analyzed in accordance with SW846 methodology. QA/QC results will be presented in a Level 2 Data Package to follow.

All soil sample results have bee calculated based on dry weight.

Definition of Terms:
LOQ = Limit of Quantitation
LOD = Limit of Detection
BLOD = Below the Limit of Detection
J = Qualifier used if the reported concentration is less than the LOQ but greater than the

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Certificate of Analysis

Final Report

Laboratory Order ID 07080253

Client Name:	Froehling & Robertson, Inc. 1734 Seibel Dr. NE Roanoke, VA 24012	Date Issued:	September 11, 2007
Submitted To:	Gregory Whitt	Project Number	J62-110E
Client Site I.D.:	Pigg River	Purchase Order	NA

LOD. The concentration is considered to be estimated.
B = Qualifier used if the reported concentration is not detected substantially above the level detected in the Method Blank.

Ted Soyars
Laboratory Manager

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Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Azinophos	86-50-0	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2320	1.0000	1	ug/L
Bolstar	35400-43-2	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2340	1.0000	1	ug/L
Chlorpyrifos	2921-88-2	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2300	1.0000	1	ug/L
Coumaphos	56-72-4	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.3200	1.0000	1	ug/L
Demeton-o	298-03-3	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.4980	1.0000	1	ug/L
Diazinon	333-41-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		1.86	1.0000	1	ug/L
Dichlorvos	62-73-7	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.6880	1.0000	1	ug/L
Dimethoate	60-51-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.1476	1.0000	1	ug/L
Disulfoton	298-04-4	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.6760	2.00	1	ug/L
EPN	2104-64-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2700	1.0000	1	ug/L
Ethoprop	13194-48-4	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.3060	1.0000	1	ug/L
Ethyl parathion	56-38-2	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2000	1.0000	1	ug/L
Fensulfothion	115-90-2	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2980	1.0000	1	ug/L
Fenthion	55-38-9	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.1856	1.0000	1	ug/L
Malathion	121-75-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.1746	1.0000	1	ug/L
Merphos	150-50-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2180	1.0000	1	ug/L
Methyl parathion	298-00-0	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2160	1.0000	1	ug/L
Mevinphos	7786-34-7	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.3940	1.0000	1	ug/L
Naled	300-76-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2240	1.0000	1	ug/L
Phorate	298-02-2	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.4600	1.0000	1	ug/L
Ronnel	299-84-3	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.5760	2.00	1	ug/L
Stirophos	961-11-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.1900	1.0000	1	ug/L
Sulfotepp	3689-24-5	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.4120	1.0000	1	ug/L
Tepp	107-49-3	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2060	1.0000	1	ug/L
Tokuthion	34643-46-4	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2380	1.0000	1	ug/L
Trichloronat	327-98-0	SW8141A	EQB-1	07080240-001	8/15/2007	08/24/07 2:14	BLOD		0.2340	1.0000	1	ug/L
Aluminum	7429-90-5	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.020	0.050	1	mg/L
Antimony	7440-36-0	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.030	0.100	1	mg/L

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Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Arsenic	7440-38-2	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	0.006	J,B	0.003	0.010	1	mg/L
Barium	7440-39-3	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.002	0.010	1	mg/L
Cadmium	7440-43-9	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	0.008	J,B	0.002	0.010	1	mg/L
Chromium	7440-47-3	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.001	0.010	1	mg/L
Cobalt	7440-48-4	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.002	0.010	1	mg/L
Copper	7440-50-8	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.003	0.010	1	mg/L
Iron	7439-89-6	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.003	0.010	1	mg/L
Lead	7439-92-1	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.006	0.010	1	mg/L
Manganese	7439-96-5	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.002	0.010	1	mg/L
Mercury	7439-97-6	SW7470A	EQB-1	07080240-001	8/15/2007	08/22/07 13:29	BLOD		0.0002	0.0002	1	mg/L
Nickel	7440-02-0	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.002	0.010	1	mg/L
Selenium	7782-49-2	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	0.009	J,B	0.008	0.050	1	mg/L
Silver	7440-22-4	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	0.002	J,B	0.002	0.010	1	mg/L
Tin	7440-31-5	SW7871	EQB-1	07080240-001	8/15/2007	08/23/07 17:09	BLOD		0.002	0.020	1	mg/L
Vanadium	7440-62-2	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	0.005	J,B	0.002	0.010	1	mg/L
Zinc	7440-66-6	SW6010B	EQB-1	07080240-001	8/15/2007	08/24/07 11:03	BLOD		0.010	0.010	1	mg/L
TPH-Volatiles (GRO)	NA	SW8015B	EQB-1	07080240-001	8/15/2007	08/20/07 13:23	BLOD		0.5	0.5	1	mg/L
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
1,1,1-Trichloroethane	71-55-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,1-Dichloroethane	75-34-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,1-Dichloroethylene	75-35-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,1-Dichloropropene	563-58-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,2,3-Trichloropropane	96-18-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.4	1.0	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L

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Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.4	4.0	1	ug/L
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.4	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,2-Dichloroethane	107-06-2	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,3-Dichlorobenzene	541-73-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,3-Dichloropropane	142-28-9	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
2,2-Dichloropropane	594-20-7	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
2-Butanone (MEK)	78-93-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		1.7	10.0	1	ug/L
2-Chlorotoluene	95-49-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
2-Hexanone (MBK)	591-78-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		1.7	10.0	1	ug/L
4-Chlorotoluene	106-43-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		1.2	10.0	1	ug/L
Acetone	67-64-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	55.8		7.0	10.0	1	ug/L
Benzene	71-43-2	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Bromobenzene	108-86-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Bromochloromethane	74-97-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.4	1.0	1	ug/L
Bromodichloromethane	75-27-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Bromoform	75-25-2	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
Bromomethane	74-83-9	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Carbon disulfide	75-15-0	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		1.2	10.0	1	ug/L
Carbon tetrachloride	56-23-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Chlorobenzene	108-90-7	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
Chloroethane	75-00-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Chloroform	67-66-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Chloromethane	74-87-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L

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Client Site ID: Pigg River
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Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
cis-1,2-Dichloroethylene	156-59-2	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Dibromochloromethane	124-48-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Dibromomethane	74-95-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Dichlorodifluoromethane	75-71-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Ethylbenzene	100-41-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
Hexachlorobutadiene	87-68-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	1.0	1	ug/L
Iodomethane	74-88-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.5	10.0	1	ug/L
Isopropylbenzene	98-82-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
m,p-Xylenes	1330-20-7	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	2.0	1	ug/L
Methylene chloride	75-09-2	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		1.0	4.0	1	ug/L
MTBE	1634-04-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Naphthalene	91-20-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
n-Butylbenzene	104-51-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
n-Propylbenzene	103-65-1	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
o-Xylene	95-47-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
p-Isopropyltoluene	99-87-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
sec-Butylbenzene	135-98-8	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
Styrene	100-42-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
tert-Butylbenzene	98-06-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.1	1.0	1	ug/L
Tetrachloroethylene (PCE)	127-18-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Toluene	108-88-3	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
trans-1,2-Dichloroethylene	156-60-5	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Trichloroethylene	79-01-6	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L
Vinyl acetate	108-05-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		2.2	10.0	1	ug/L
Vinyl chloride	75-01-4	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.2	1.0	1	ug/L

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Xylenes, Total	1330-20-7	SW8260B	EQB-1	07080240-001	8/15/2007	08/21/07 19:58	BLOD		0.3	3.0	1	ug/L
TPH-Semi-Volatiles (DRO)	NA	SW8015B	EQB-1	07080240-001	8/15/2007	08/17/07 16:12	BLOD		0.3	0.5	1	mg/L
2,4,5-T	93-76-5	SW8151A	EQB-1	07080240-001	8/15/2007	08/23/07 13:30	BLOD		0.11	0.44	1	ug/L
2,4,5-TP (Silvex)	93-72-1	SW8151A	EQB-1	07080240-001	8/15/2007	08/23/07 13:30	BLOD		0.11	0.38	1	ug/L
2,4-D	94-75-7	SW8151A	EQB-1	07080240-001	8/15/2007	08/23/07 13:30	BLOD		0.11	0.28	1	ug/L
Dinoseb	88-85-7	SW8151A	EQB-1	07080240-001	8/15/2007	08/23/07 13:30	BLOD		0.11	0.44	1	ug/L
Pentachlorophenol	87-86-5	SW8151A	EQB-1	07080240-001	8/15/2007	08/23/07 13:30	BLOD		0.11	1.1	1	ug/L
PCB as Aroclor 1016	12674-11-2	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1221	11104-28-2	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1232	11141-16-5	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1242	53469-21-9	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1248	12672-29-6	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1254	11097-69-1	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1260	11096-82-5	SW8082	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.2	5.0	1	ug/L
4,4-DDD	72-54-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.100	1	ug/L
4,4-DDE	72-55-9	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.040	1	ug/L
4,4-DDT	50-29-3	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.120	1	ug/L
Aldrin	309-00-2	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.020	1	ug/L
alpha-BHC	319-84-6	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.020	1	ug/L
beta-BHC	319-85-7	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.050	1	ug/L
Chlordane	57-74-9	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.10	1.00	1	ug/L
delta-BHC	319-86-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.012	0.050	1	ug/L
Dieldrin	60-57-1	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.020	1	ug/L
Endosulfan I	959-98-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.100	1	ug/L
Endosulfan II	33213-65-9	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.040	1	ug/L
Endosulfan sulfate	1031-07-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.500	1	ug/L
Endrin	72-20-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.100	1	ug/L
Endrin aldehyde	7421-93-4	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.010	0.200	1	ug/L

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gamma-BHC (Lindane)	58-89-9	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.020	1	ug/L
Heptachlor	76-44-8	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.050	1	ug/L
Heptachlor epoxide	1024-57-3	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.005	0.200	1	ug/L
Methoxychlor	72-43-5	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.010	2.0	1	ug/L
Toxaphene	8001-35-2	SW8081A	EQB-1	07080240-001	8/15/2007	08/21/07 21:30	BLOD		0.20	3.0	1	ug/L
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
1,2-Dichlorobenzene	95-50-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
1,3-Dichlorobenzene	541-73-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
1,4-Dichlorobenzene	106-46-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
1-Chloronaphthalene	90-13-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
1-Naphthylamine	134-32-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,4,5-Trichlorophenol	95-95-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,4,6-Trichlorophenol	88-06-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,4-Dichlorophenol	120-83-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,4-Dimethylphenol	105-67-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,4-Dinitrophenol	51-28-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	50	1	ug/L
2,4-Dinitrotoluene	121-14-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,6-Dichlorophenol	87-65-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2,6-Dinitrotoluene	606-20-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2-Chloronaphthalene	91-58-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2-Chlorophenol	95-57-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
2-Methylnaphthalene	91-57-6	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
2-Naphthylamine	91-59-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
2-Nitroaniline	88-74-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	20	1	ug/L
2-Nitrophenol	88-75-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
3,3-Dichlorobenzidine	91-94-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		4.0	10	1	ug/L

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3-Methylcholanthrene	56-49-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
3-Nitroaniline	99-09-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	20	1	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	50	1	ug/L
4-Aminobiphenyl	92-67-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
4-Bromophenyl phenyl ether	101-55-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
4-Chloro-3-methylphenol	59-50-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
4-Chloroaniline	106-47-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
4-Nitroaniline	100-01-6	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	20	1	ug/L
4-Nitrophenol	100-02-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	50	1	ug/L
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
Acenaphthene	83-32-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Acenaphthylene	208-96-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Acetophenone	98-86-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	20	1	ug/L
Aniline	62-53-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	50	1	ug/L
Anthracene	120-12-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Azobenzene	103-33-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		10	10	1	ug/L
Benzidine	92-87-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		50	50	1	ug/L
Benzo (a) anthracene	56-55-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Benzo (a) pyrene	50-32-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Benzo (b) fluoranthene	205-99-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Benzo (g,h,i) perylene	191-24-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Benzo (k) fluoranthene	207-08-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Benzoic acid	65-85-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	5.6	J	1.0	50	1	ug/L
Benzyl alcohol	100-51-6	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	20	1	ug/L
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
bis (2-Chloroethyl) ether	111-44-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L

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bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Butyl benzyl phthalate	85-68-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Chrysene	218-01-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Cresols, Total	1319-77-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		3.0	10	1	ug/L
Dibenz (a,h) anthracene	53-70-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Dibenz (a,j) acridine	224-42-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		3.0	10	1	ug/L
Dibenzofuran	132-64-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
Diethyl phthalate	84-66-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Dimethyl phthalate	131-11-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Di-n-butyl phthalate	84-74-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
Di-n-octyl phthalate	117-84-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Diphenylamine	122-39-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
Ethyl methanesulfonate	62-50-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	20	1	ug/L
Fluoranthene	206-44-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Fluorene	86-73-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Hexachlorobenzene	118-74-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Hexachlorobutadiene	87-68-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Hexachlorocyclopentadiene	77-47-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Hexachloroethane	67-72-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Isophorone	78-59-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Methyl methanesulfonate	66-27-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Naphthalene	91-20-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
Nitrobenzene	98-95-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L
N-Nitrosodimethylamine	62-75-9	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		2.0	10	1	ug/L
N-Nitrosodiphenylamine	86-30-6	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54	BLOD		1.0	10	1	ug/L

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Certificate of Analysis

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N-Nitrosopiperidine	100-75-4	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	2.0	10	1	ug/L
o-Cresol	95-48-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
p-Cresol	106-44-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
p-Dimethylaminoazobenzene	60-11-7	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Pentachlorobenzene	608-93-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	2.0	10	1	ug/L
Pentachloronitrobenzene	82-68-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Pentachlorophenol	87-86-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	20	1	ug/L
Phenacetin	62-44-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Phenanthrene	85-01-8	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Phenol	108-95-2	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Pronamide	23950-58-5	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	2.0	10	1	ug/L
Pyrene	129-00-0	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Pyridine	110-86-1	SW8270C	EQB-1	07080240-001	8/15/2007	08/17/07 19:54		BLOD	1.0	10	1	ug/L
Ammonia	7664-41-7	SM4500-NH3 F	EQB-1	07080240-001	8/15/2007	08/20/07 11:00		BLOD	0.05	0.10	1	mg/L
Nitrate	14797-55-8	EPA300.0	EQB-1	07080240-001	8/15/2007	08/17/07 19:50		BLOD	0.10	0.10	1	mg/L
pH	NA	SM4500-H B	EQB-1	07080240-001	8/15/2007	08/16/07 15:32	5.1		0.0	0.0	1	SU
The pH measurement was performed outside of the 15 minute holding time.												
Sulfide	18496-25-8	SW9030B	EQB-1	07080240-001	8/15/2007	08/17/07 10:30		BLOD	1.0	1.0	1	mg/L
TKN		EPA351.2	EQB-1	07080240-001	8/15/2007	08/21/07 10:54		BLOD	0.2	0.2	1	mg/L
Total Organic Carbon (TOC)	NA	SW9060	EQB-1	07080240-001	8/15/2007	08/17/07 23:31		BLOD	1.0	1.0	1	mg/L
Total Organic Halides (TOX)	NA	SW9020B	EQB-1	07080240-001	8/15/2007	08/21/07 9:00	13		10	10	1	ug/L
Strontium		SW6010B	EQB-1	07080240-001	8/15/2007	08/23/07 11:14		BLOD	0.100	0.100	1	mg/L
Azinophos	86-50-0	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg

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Dichlorvos	62-73-7	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP1-S1A	07080240-002	8/15/2007	08/30/07 2:42		BLOD	500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 13:30	13200		348	348	100	mg/kg
Antimony	7440-36-0	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13		BLOD	6.96	6.96	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13		BLOD	0.696	0.696	1	mg/kg
Barium	7440-39-3	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	62.7		0.696	0.696	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	1.26		0.696	0.696	1	mg/kg
Chromium	7440-47-3	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	35.8		0.696	0.696	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	8.95		0.696	0.696	1	mg/kg
Copper	7440-50-8	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	10.9		3.48	3.48	1	mg/kg

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Iron	7439-89-6	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 13:30	14200		348	348	100	mg/kg
Lead	7439-92-1	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	4.99		0.696	0.696	1	mg/kg
Manganese	7439-96-5	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	124		0.696	0.696	1	mg/kg
Mercury	7439-97-6	SW7471A	DP1-S1A	07080240-002	8/15/2007	08/22/07 14:52		BLOD	0.011	0.011	1	mg/kg
Nickel	7440-02-0	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	12.4		0.696	0.696	1	mg/kg
Selenium	7782-49-2	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13		BLOD	3.48	3.48	1	mg/kg
Silver	7440-22-4	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13		BLOD	0.696	0.696	1	mg/kg
Tin	7440-31-5	SW7871	DP1-S1A	07080240-002	8/15/2007	08/31/07 9:45		BLOD	7.0	7.0	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	30.6		0.696	0.696	1	mg/kg
Zinc	7440-66-6	SW6010B	DP1-S1A	07080240-002	8/15/2007	08/27/07 14:13	35.1		3.48	3.48	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP1-S1A	07080240-002	8/15/2007	08/20/07 19:25		BLOD	7.0	7.0	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50		BLOD	69.6	69.6	5	ug/kg

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1,3-Dichlorobenzene	541-73-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Acetone	67-64-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Benzene	71-43-2	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Bromoform	75-25-2	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Chloroform	67-66-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg

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Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Hexachlorobutadiene	87-68-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
MTBE	1634-04-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Styrene	100-42-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Toluene	108-88-3	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP1-S1A	07080240-002	8/15/2007	08/21/07 20:50	BLOD		69.6	69.6	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP1-S1A	07080240-002	8/15/2007	08/24/07 15:39	BLOD		13.9	13.9	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP1-S1A	07080240-002	8/15/2007	08/24/07 12:37	BLOD		6.96	6.96	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP1-S1A	07080240-002	8/15/2007	08/24/07 12:37	BLOD		6.96	6.96	1	ug/kg
2,4-D	94-75-7	SW8151A	DP1-S1A	07080240-002	8/15/2007	08/24/07 12:37	BLOD		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP1-S1A	07080240-002	8/15/2007	08/24/07 12:37	BLOD		0.01	0.01	1	ug/kg

AIR WATER & SOIL LABORATORIES, INC.

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Certificate of Analysis

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Pentachlorophenol	87-86-5	SW8151A	DP1-S1A	07080240-002	8/15/2007	08/24/07 12:37	BLOD		0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		8.4	8.4	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
Aldrin	309-00-2	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
Chlordane	57-74-9	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		56	56	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		8.4	8.4	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
Endrin	72-20-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		5.6	5.6	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		11	11	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		2.8	2.8	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		56	56	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		56	56	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP1-S1A	07080240-002	8/15/2007	08/22/07 17:02	BLOD		56	56	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg

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1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg

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4-Chloroaniline	106-47-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Aniline	62-53-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Anthracene	120-12-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzidine	92-87-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Chrysene	218-01-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg

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Dibenzofuran	132-64-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Fluorene	86-73-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Isophorone	78-59-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24	BLOD		700	700	1	ug/kg

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Pentachlorophenol	87-86-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Phenol	108-95-2	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Pyrene	129-00-0	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
Pyridine	110-86-1	SW8270C	DP1-S1A	07080240-002	8/15/2007	08/29/07 16:24		BLOD	700	700	1	ug/kg
% Ash	NA	SM2540E	DP1-S1A	07080240-002	8/15/2007	08/28/07 11:00	97		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP1-S1A	07080240-002	8/15/2007	08/27/07 16:00	28.2		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP1-S1A	07080240-002	8/15/2007	08/20/07 11:00		BLOD	14	14	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP1-S1A	07080240-002	8/15/2007	08/24/07 8:50		BLOD	14	14	10	mg/kg
Organic Matter, %		SM2540G	DP1-S1A	07080240-002	8/15/2007	08/28/07 11:00	2.6		0.1	0.1	1	%
pH	NA	SW9045C	DP1-S1A	07080240-002	8/15/2007	08/17/07 13:43	6.4		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP1-S1A	07080240-002	8/15/2007	08/21/07 14:30		BLOD	70	70	1	mg/kg
TKN		EPA351.2	DP1-S1A	07080240-002	8/15/2007	08/21/07 10:54	253		34.8	34.8	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP1-S1A	07080240-002	8/15/2007	08/20/07 12:30		BLOD	13.9	13.9	1	mg/kg
Strontium		SW6010B	DP1-S1A	07080240-002	8/15/2007	08/22/07 14:46		BLOD	3.48	3.48	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP1-S1A	07080240-002	8/15/2007	08/23/07 16:27	49000		280	280	10	mg/kg
Azinophos	86-50-0	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19		BLOD	500	500	1	ug/kg

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EPN	2104-64-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP2-S1A	07080240-003	8/15/2007	08/20/07 3:19	BLOD		500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 13:32	13300		356	356	100	mg/kg
Antimony	7440-36-0	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	BLOD		7.12	7.12	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	BLOD		0.712	0.712	1	mg/kg
Barium	7440-39-3	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	54.6		0.712	0.712	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	1.03		0.712	0.712	1	mg/kg
Chromium	7440-47-3	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	37.0		0.712	0.712	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	8.93		0.712	0.712	1	mg/kg
Copper	7440-50-8	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	9.27		3.56	3.56	1	mg/kg
Iron	7439-89-6	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 13:32	16100		356	356	100	mg/kg
Lead	7439-92-1	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	4.70		0.712	0.712	1	mg/kg
Manganese	7439-96-5	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	161		0.712	0.712	1	mg/kg

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Mercury	7439-97-6	SW7471A	DP2-S1A	07080240-003	8/15/2007	08/22/07 14:55	0.013		0.011	0.011	1	mg/kg
Nickel	7440-02-0	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	12.4		0.712	0.712	1	mg/kg
Selenium	7782-49-2	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16		BLOD	3.56	3.56	1	mg/kg
Silver	7440-22-4	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16		BLOD	0.712	0.712	1	mg/kg
Tin	7440-31-5	SW7871	DP2-S1A	07080240-003	8/15/2007	08/31/07 9:51		BLOD	7.1	7.1	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	32.3		0.712	0.712	1	mg/kg
Zinc	7440-66-6	SW6010B	DP2-S1A	07080240-003	8/15/2007	08/27/07 14:16	34.2		3.56	3.56	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP2-S1A	07080240-003	8/15/2007	08/20/07 19:52		BLOD	7.1	7.1	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16		BLOD	71.2	71.2	5	ug/kg

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2,2-Dichloropropane	594-20-7	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Acetone	67-64-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Benzene	71-43-2	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Bromoform	75-25-2	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Chloroform	67-66-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg

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m,p-Xylenes	1330-20-7	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Methylene chloride was analyzed on September 07, 2007 at 11:33.												
MTBE	1634-04-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Styrene	100-42-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Toluene	108-88-3	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP2-S1A	07080240-003	8/15/2007	08/21/07 21:16	BLOD		71.2	71.2	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP2-S1A	07080240-003	8/15/2007	08/24/07 16:05	BLOD		14.2	14.2	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP2-S1A	07080240-003	8/15/2007	08/24/07 12:51	BLOD		7.12	7.12	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP2-S1A	07080240-003	8/15/2007	08/24/07 12:51	BLOD		7.12	7.12	1	ug/kg
2,4-D	94-75-7	SW8151A	DP2-S1A	07080240-003	8/15/2007	08/24/07 12:51	BLOD		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP2-S1A	07080240-003	8/15/2007	08/24/07 12:51	BLOD		0.01	0.01	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP2-S1A	07080240-003	8/15/2007	08/24/07 12:51	BLOD		0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg

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PCB as Aroclor 1221	11104-28-2	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		8.5	8.5	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
Aldrin	309-00-2	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
Chlordane	57-74-9	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		57	57	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		8.5	8.5	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
Endrin	72-20-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		5.7	5.7	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		11	11	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		2.8	2.8	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		57	57	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		57	57	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP2-S1A	07080240-003	8/15/2007	08/22/07 17:20	BLOD		57	57	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg

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1,3-Dichlorobenzene	541-73-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg

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4-Nitroaniline	100-01-6	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Aniline	62-53-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Anthracene	120-12-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzidine	92-87-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Chrysene	218-01-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg

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Dimethyl phthalate	131-11-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Fluorene	86-73-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Isophorone	78-59-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57	BLOD		710	710	1	ug/kg

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Phenanthrene	85-01-8	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57		BLOD	710	710	1	ug/kg
Phenol	108-95-2	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57		BLOD	710	710	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57		BLOD	710	710	1	ug/kg
Pyrene	129-00-0	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57		BLOD	710	710	1	ug/kg
Pyridine	110-86-1	SW8270C	DP2-S1A	07080240-003	8/15/2007	08/29/07 16:57		BLOD	710	710	1	ug/kg
% Ash	NA	SM2540E	DP2-S1A	07080240-003	8/15/2007	08/28/07 11:00	96		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP2-S1A	07080240-003	8/15/2007	08/27/07 16:00	29.8		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP2-S1A	07080240-003	8/15/2007	08/20/07 11:00	46		14	14	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP2-S1A	07080240-003	8/15/2007	08/24/07 9:20		BLOD	14	14	10	mg/kg
Organic Matter, %		SM2540G	DP2-S1A	07080240-003	8/15/2007	08/28/07 11:00	3.7		0.1	0.1	1	%
pH	NA	SW9045C	DP2-S1A	07080240-003	8/15/2007	08/17/07 13:43	7.0		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP2-S1A	07080240-003	8/15/2007	08/21/07 14:30		BLOD	71	71	1	mg/kg
TKN		EPA351.2	DP2-S1A	07080240-003	8/15/2007	08/21/07 10:54	264		35.6	35.6	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP2-S1A	07080240-003	8/15/2007	08/20/07 12:30		BLOD	14.2	14.2	1	mg/kg
Strontium		SW6010B	DP2-S1A	07080240-003	8/15/2007	08/22/07 14:51		BLOD	3.56	3.56	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP2-S1A	07080240-003	8/15/2007	08/23/07 16:41	32000		280	280	10	mg/kg
Azinophos	86-50-0	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg

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Ethyl parathion	56-38-2	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP3-S1A	07080240-004	8/15/2007	08/30/07 3:55		BLOD	500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 13:45	11800		329	329	100	mg/kg
Antimony	7440-36-0	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14		BLOD	6.58	6.58	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14		BLOD	0.658	0.658	1	mg/kg
Barium	7440-39-3	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	47.3		0.658	0.658	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	0.927		0.658	0.658	1	mg/kg
Chromium	7440-47-3	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	52.5		0.658	0.658	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	8.41		0.658	0.658	1	mg/kg
Copper	7440-50-8	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	8.66		3.29	3.29	1	mg/kg
Iron	7439-89-6	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 13:45	14800		329	329	100	mg/kg
Lead	7439-92-1	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	5.28		0.658	0.658	1	mg/kg
Manganese	7439-96-5	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	119		0.658	0.658	1	mg/kg
Mercury	7439-97-6	SW7471A	DP3-S1A	07080240-004	8/15/2007	08/22/07 14:57	0.012		0.011	0.011	1	mg/kg
Nickel	7440-02-0	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	11.5		0.658	0.658	1	mg/kg

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Selenium	7782-49-2	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	BLOD		3.29	3.29	1	mg/kg
Silver	7440-22-4	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	BLOD		0.658	0.658	1	mg/kg
Tin	7440-31-5	SW7871	DP3-S1A	07080240-004	8/15/2007	08/31/07 9:57	BLOD		6.6	6.6	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	32.6		0.658	0.658	1	mg/kg
Zinc	7440-66-6	SW6010B	DP3-S1A	07080240-004	8/15/2007	08/27/07 12:14	31.6		3.29	3.29	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP3-S1A	07080240-004	8/15/2007	08/20/07 20:19	BLOD		6.6	6.6	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg

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(804) 358-8297 - Fax

Certificate of Analysis

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Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
2-Chlorotoluene	95-49-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Acetone	67-64-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Benzene	71-43-2	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Bromoform	75-25-2	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Chloroform	67-66-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg

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MTBE	1634-04-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Styrene	100-42-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Toluene	108-88-3	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP3-S1A	07080240-004	8/15/2007	08/21/07 21:44	BLOD		65.8	65.8	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP3-S1A	07080240-004	8/15/2007	08/24/07 16:30	BLOD		13.2	13.2	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP3-S1A	07080240-004	8/15/2007	08/24/07 13:05	BLOD		6.58	6.58	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP3-S1A	07080240-004	8/15/2007	08/24/07 13:05	BLOD		6.58	6.58	1	ug/kg
2,4-D	94-75-7	SW8151A	DP3-S1A	07080240-004	8/15/2007	08/24/07 13:05	BLOD		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP3-S1A	07080240-004	8/15/2007	08/24/07 13:05	BLOD		0.01	0.01	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP3-S1A	07080240-004	8/15/2007	08/24/07 13:05	BLOD		0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg

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PCB as Aroclor 1248	12672-29-6	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		7.9	7.9	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
Aldrin	309-00-2	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
Chlordane	57-74-9	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		53	53	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		7.9	7.9	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
Endrin	72-20-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		5.3	5.3	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		11	11	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		2.6	2.6	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		53	53	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		53	53	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP3-S1A	07080240-004	8/15/2007	08/22/07 17:39	BLOD		53	53	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg

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1-Naphthylamine	134-32-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg

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Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Acenaphthene	83-32-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Aniline	62-53-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Anthracene	120-12-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzidine	92-87-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Chrysene	218-01-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg

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Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Diphenylamine	122-39-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Fluorene	86-73-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Isophorone	78-59-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Phenol	108-95-2	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32	BLOD		660	660	1	ug/kg

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Pyrene	129-00-0	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32		BLOD	660	660	1	ug/kg
Pyridine	110-86-1	SW8270C	DP3-S1A	07080240-004	8/15/2007	08/29/07 17:32		BLOD	660	660	1	ug/kg
% Ash	NA	SM2540E	DP3-S1A	07080240-004	8/15/2007	08/28/07 11:00	98		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP3-S1A	07080240-004	8/15/2007	08/27/07 16:00	24.0		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP3-S1A	07080240-004	8/15/2007	08/20/07 11:00		BLOD	13	13	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP3-S1A	07080240-004	8/15/2007	08/24/07 9:50		BLOD	13	13	10	mg/kg
Organic Matter, %		SM2540G	DP3-S1A	07080240-004	8/15/2007	08/28/07 11:00	1.6		0.1	0.1	1	%
pH	NA	SW9045C	DP3-S1A	07080240-004	8/15/2007	08/17/07 13:43	6.6		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP3-S1A	07080240-004	8/15/2007	08/21/07 14:30	110		66	66	1	mg/kg
TKN		EPA351.2	DP3-S1A	07080240-004	8/15/2007	08/21/07 10:54	146		32.9	32.9	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP3-S1A	07080240-004	8/15/2007	08/20/07 12:30		BLOD	13.2	13.2	1	mg/kg
Strontium		SW6010B	DP3-S1A	07080240-004	8/15/2007	08/22/07 14:55		BLOD	3.29	3.29	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP3-S1A	07080240-004	8/15/2007	08/23/07 16:55	32000		260	260	10	mg/kg
Azinophos	86-50-0	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32		BLOD	500	500	1	ug/kg

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Malathion	121-75-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP4-S1A	07080240-005	8/15/2007	08/30/07 4:32	BLOD		500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 13:35	18400		413	413	100	mg/kg
Antimony	7440-36-0	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	BLOD		8.25	8.25	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	BLOD		0.825	0.825	1	mg/kg
Barium	7440-39-3	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	86.0		0.825	0.825	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	1.18		0.825	0.825	1	mg/kg
Chromium	7440-47-3	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	45.2		0.825	0.825	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	11.8		0.825	0.825	1	mg/kg
Copper	7440-50-8	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	14.5		4.13	4.13	1	mg/kg
Iron	7439-89-6	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 13:35	19100		413	413	100	mg/kg
Lead	7439-92-1	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	5.46		0.825	0.825	1	mg/kg
Manganese	7439-96-5	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	182		0.825	0.825	1	mg/kg
Mercury	7439-97-6	SW7471A	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	0.014		0.013	0.013	1	mg/kg
Nickel	7440-02-0	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	15.6		0.825	0.825	1	mg/kg
Selenium	7782-49-2	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	BLOD		4.13	4.13	1	mg/kg
Silver	7440-22-4	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	BLOD		0.825	0.825	1	mg/kg
Tin	7440-31-5	SW7871	DP4-S1A	07080240-005	8/15/2007	08/31/07 10:16	BLOD		8.3	8.3	5	mg/kg

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Vanadium	7440-62-2	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	37.8		0.825	0.825	1	mg/kg
Zinc	7440-66-6	SW6010B	DP4-S1A	07080240-005	8/15/2007	08/27/07 14:20	49.3		4.13	4.13	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP4-S1A	07080240-005	8/15/2007	08/20/07 20:46	BLOD		8.3	8.3	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg

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4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Acetone	67-64-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	114		82.5	82.5	5	ug/kg
Benzene	71-43-2	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Bromoform	75-25-2	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Chloroform	67-66-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	5130		82.5	82.5	50	ug/kg
MTBE	1634-04-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg

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n-Propylbenzene	103-65-1	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Styrene	100-42-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Toluene	108-88-3	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:10	BLOD		82.5	82.5	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP4-S1A	07080240-005	8/15/2007	08/24/07 17:45	17.7		16.5	16.5	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP4-S1A	07080240-005	8/15/2007	08/24/07 13:46	BLOD		8.25	8.25	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP4-S1A	07080240-005	8/15/2007	08/24/07 13:46	BLOD		8.25	8.25	1	ug/kg
2,4-D	94-75-7	SW8151A	DP4-S1A	07080240-005	8/15/2007	08/24/07 13:46	BLOD		0.02	0.02	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP4-S1A	07080240-005	8/15/2007	08/24/07 13:46	BLOD		0.02	0.02	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP4-S1A	07080240-005	8/15/2007	08/24/07 13:46	BLOD		0.02	0.02	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		0.2	0.2	1	mg/kg

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4,4-DDD	72-54-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		9.9	9.9	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
Aldrin	309-00-2	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
Chlordane	57-74-9	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		66	66	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		9.9	9.9	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
Endrin	72-20-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		6.6	6.6	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		13	13	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		3.3	3.3	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		66	66	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		66	66	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP4-S1A	07080240-005	8/15/2007	08/22/07 18:34	BLOD		66	66	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg

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2,4,6-Trichlorophenol	88-06-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg

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Aniline	62-53-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Anthracene	120-12-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzidine	92-87-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Chrysene	218-01-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg

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Fluorene	86-73-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Isophorone	78-59-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Phenol	108-95-2	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pyrene	129-00-0	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
Pyridine	110-86-1	SW8270C	DP4-S1A	07080240-005	8/15/2007	08/29/07 19:10	BLOD		830	830	1	ug/kg
% Ash	NA	SM2540E	DP4-S1A	07080240-005	8/15/2007	08/28/07 11:00	96		0.1	0.1	1	%

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Percent Moisture	NA	SM2540G	DP4-S1A	07080240-005	8/15/2007	08/27/07 16:00	39.4		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP4-S1A	07080240-005	8/15/2007	08/20/07 11:00	28		17	17	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP4-S1A	07080240-005	8/15/2007	08/24/07 10:20		BLOD	17	17	10	mg/kg
Organic Matter, %		SM2540G	DP4-S1A	07080240-005	8/15/2007	08/28/07 11:00	4.5		0.1	0.1	1	%
pH	NA	SW9045C	DP4-S1A	07080240-005	8/15/2007	08/17/07 13:43	6.5		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP4-S1A	07080240-005	8/15/2007	08/21/07 14:30		BLOD	83	83	1	mg/kg
TKN		EPA351.2	DP4-S1A	07080240-005	8/15/2007	08/21/07 10:54	436		41.3	41.3	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP4-S1A	07080240-005	8/15/2007	08/20/07 12:30		BLOD	16.5	16.5	1	mg/kg
Strontium		SW6010B	DP4-S1A	07080240-005	8/15/2007	08/22/07 15:00		BLOD	4.13	4.13	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP4-S1A	07080240-005	8/15/2007	08/23/07 17:41	99000		330	330	10	mg/kg
Azinophos	86-50-0	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2320	1.0000	1	ug/L
Bolstar	35400-43-2	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2340	1.0000	1	ug/L
Chlorpyrifos	2921-88-2	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2300	1.0000	1	ug/L
Coumaphos	56-72-4	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.3200	1.0000	1	ug/L
Demeton-o	298-03-3	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.4980	1.0000	1	ug/L
Diazinon	333-41-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	1.86	1.0000	1	ug/L
Dichlorvos	62-73-7	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.6880	1.0000	1	ug/L
Dimethoate	60-51-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.1476	1.0000	1	ug/L
Disulfoton	298-04-4	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.3380	1.0000	1	ug/L
EPN	2104-64-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2700	1.0000	1	ug/L
Ethoprop	13194-48-4	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.3060	1.0000	1	ug/L
Ethyl parathion	56-38-2	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2000	1.0000	1	ug/L
Fensulfothion	115-90-2	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2980	1.0000	1	ug/L
Fenthion	55-38-9	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.1856	1.0000	1	ug/L
Malathion	121-75-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.1746	1.0000	1	ug/L
Merphos	150-50-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2180	1.0000	1	ug/L
Methyl parathion	298-00-0	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51		BLOD	0.2160	1.0000	1	ug/L

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Mevinphos	7786-34-7	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.3940	1.0000	1	ug/L
Naled	300-76-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.2240	1.0000	1	ug/L
Phorate	298-02-2	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.4600	1.0000	1	ug/L
Ronnel	299-84-3	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.2880	1.0000	1	ug/L
Stirophos	961-11-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.1900	1.0000	1	ug/L
Sulfotepp	3689-24-5	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.4120	1.0000	1	ug/L
Tepp	107-49-3	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.2060	1.0000	1	ug/L
Tokuthion	34643-46-4	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.2380	1.0000	1	ug/L
Trichloronat	327-98-0	SW8141A	FB1	07080253-001	8/16/2007	08/24/07 2:51	BLOD		0.2340	1.0000	1	ug/L
Aluminum	7429-90-5	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.020	0.050	1	mg/L
Antimony	7440-36-0	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.030	0.100	1	mg/L
Arsenic	7440-38-2	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	0.007	J,B	0.003	0.010	1	mg/L
Barium	7440-39-3	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.002	0.010	1	mg/L
Cadmium	7440-43-9	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	0.007	J,B	0.002	0.010	1	mg/L
Chromium	7440-47-3	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.001	0.010	1	mg/L
Cobalt	7440-48-4	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.002	0.010	1	mg/L
Copper	7440-50-8	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.003	0.010	1	mg/L
Iron	7439-89-6	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.003	0.010	1	mg/L
Lead	7439-92-1	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.006	0.010	1	mg/L
Manganese	7439-96-5	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.002	0.010	1	mg/L
Mercury	7439-97-6	SW7470A	FB1	07080253-001	8/16/2007	08/22/07 13:55	BLOD		0.0002	0.0002	1	mg/L
Nickel	7440-02-0	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.002	0.010	1	mg/L
Selenium	7782-49-2	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.008	0.050	1	mg/L
Silver	7440-22-4	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	0.002	J,B	0.002	0.010	1	mg/L
Tin	7440-31-5	SW7871	FB1	07080253-001	8/16/2007	08/23/07 17:27	BLOD		0.002	0.020	1	mg/L
Vanadium	7440-62-2	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	0.005	J,B	0.002	0.010	1	mg/L
Zinc	7440-66-6	SW6010B	FB1	07080253-001	8/16/2007	08/24/07 11:11	BLOD		0.010	0.010	1	mg/L
TPH-Volatiles (GRO)	NA	SW8015B	FB1	07080253-001	8/16/2007	08/20/07 16:41	BLOD		0.5	0.5	1	mg/L

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Certificate of Analysis

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Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
1,1,1-Trichloroethane	71-55-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,1-Dichloroethane	75-34-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,1-Dichloroethylene	75-35-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,1-Dichloropropene	563-58-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,2,3-Trichloropropane	96-18-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.4	1.0	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.4	4.0	1	ug/L
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.4	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,2-Dichloroethane	107-06-2	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,3-Dichlorobenzene	541-73-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,3-Dichloropropane	142-28-9	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
2,2-Dichloropropane	594-20-7	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
2-Butanone (MEK)	78-93-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		1.7	10.0	1	ug/L
2-Chlorotoluene	95-49-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
2-Hexanone (MBK)	591-78-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		1.7	10.0	1	ug/L
4-Chlorotoluene	106-43-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		1.2	10.0	1	ug/L
Acetone	67-64-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		7.0	10.0	1	ug/L
Benzene	71-43-2	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L

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Bromobenzene	108-86-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Bromochloromethane	74-97-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.4	1.0	1	ug/L
Bromodichloromethane	75-27-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Bromoform	75-25-2	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
Bromomethane	74-83-9	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Carbon disulfide	75-15-0	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		1.2	10.0	1	ug/L
Carbon tetrachloride	56-23-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Chlorobenzene	108-90-7	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
Chloroethane	75-00-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Chloroform	67-66-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Chloromethane	74-87-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
cis-1,2-Dichloroethylene	156-59-2	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Dibromochloromethane	124-48-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Dibromomethane	74-95-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Dichlorodifluoromethane	75-71-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Ethylbenzene	100-41-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
Hexachlorobutadiene	87-68-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	1.0	1	ug/L
Iodomethane	74-88-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.5	10.0	1	ug/L
Isopropylbenzene	98-82-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
m,p-Xylenes	1330-20-7	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	2.0	1	ug/L
Methylene chloride	75-09-2	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		1.0	4.0	1	ug/L
MTBE	1634-04-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Naphthalene	91-20-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
n-Butylbenzene	104-51-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
n-Propylbenzene	103-65-1	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
o-Xylene	95-47-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
p-Isopropyltoluene	99-87-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L

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sec-Butylbenzene	135-98-8	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
Styrene	100-42-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
tert-Butylbenzene	98-06-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.1	1.0	1	ug/L
Tetrachloroethylene (PCE)	127-18-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Toluene	108-88-3	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
trans-1,2-Dichloroethylene	156-60-5	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Trichloroethylene	79-01-6	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Vinyl acetate	108-05-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		2.2	10.0	1	ug/L
Vinyl chloride	75-01-4	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.2	1.0	1	ug/L
Xylenes, Total	1330-20-7	SW8260B	FB1	07080253-001	8/16/2007	08/21/07 20:24	BLOD		0.3	3.0	1	ug/L
TPH-Semi-Volatiles (DRO)	NA	SW8015B	FB1	07080253-001	8/16/2007	08/21/07 17:39	BLOD		0.3	0.5	1	mg/L
2,4,5-T	93-76-5	SW8151A	FB1	07080253-001	8/16/2007	08/23/07 13:43	BLOD		0.11	0.44	1	ug/L
2,4,5-TP (Silvex)	93-72-1	SW8151A	FB1	07080253-001	8/16/2007	08/23/07 13:43	BLOD		0.11	0.38	1	ug/L
2,4-D	94-75-7	SW8151A	FB1	07080253-001	8/16/2007	08/23/07 13:43	BLOD		0.11	0.28	1	ug/L
Dinoseb	88-85-7	SW8151A	FB1	07080253-001	8/16/2007	08/23/07 13:43	BLOD		0.11	0.44	1	ug/L
Pentachlorophenol	87-86-5	SW8151A	FB1	07080253-001	8/16/2007	08/23/07 13:43	BLOD		0.11	1.1	1	ug/L
PCB as Aroclor 1016	12674-11-2	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1221	11104-28-2	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1232	11141-16-5	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1242	53469-21-9	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1248	12672-29-6	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1254	11097-69-1	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
PCB as Aroclor 1260	11096-82-5	SW8082	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.2	5.0	1	ug/L
4,4-DDD	72-54-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.100	1	ug/L
4,4-DDE	72-55-9	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.040	1	ug/L
4,4-DDT	50-29-3	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.120	1	ug/L

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Aldrin	309-00-2	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.020	1	ug/L
alpha-BHC	319-84-6	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.020	1	ug/L
beta-BHC	319-85-7	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.050	1	ug/L
Chlordane	57-74-9	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.10	1.00	1	ug/L
delta-BHC	319-86-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.012	0.050	1	ug/L
Dieldrin	60-57-1	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.020	1	ug/L
Endosulfan I	959-98-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.100	1	ug/L
Endosulfan II	33213-65-9	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.040	1	ug/L
Endosulfan sulfate	1031-07-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.500	1	ug/L
Endrin	72-20-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.100	1	ug/L
Endrin aldehyde	7421-93-4	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.010	0.200	1	ug/L
gamma-BHC (Lindane)	58-89-9	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.020	1	ug/L
Heptachlor	76-44-8	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.050	1	ug/L
Heptachlor epoxide	1024-57-3	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.005	0.200	1	ug/L
Methoxychlor	72-43-5	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.010	2.0	1	ug/L
Toxaphene	8001-35-2	SW8081A	FB1	07080253-001	8/16/2007	08/21/07 21:48	BLOD		0.20	3.0	1	ug/L
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
1,2-Dichlorobenzene	95-50-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
1,3-Dichlorobenzene	541-73-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
1,4-Dichlorobenzene	106-46-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
1-Chloronaphthalene	90-13-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
1-Naphthylamine	134-32-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,4,5-Trichlorophenol	95-95-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,4,6-Trichlorophenol	88-06-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,4-Dichlorophenol	120-83-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,4-Dimethylphenol	105-67-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L

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2,4-Dinitrophenol	51-28-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	50	1	ug/L
2,4-Dinitrotoluene	121-14-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,6-Dichlorophenol	87-65-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2,6-Dinitrotoluene	606-20-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2-Chloronaphthalene	91-58-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2-Chlorophenol	95-57-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
2-Methylnaphthalene	91-57-6	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
2-Naphthylamine	91-59-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
2-Nitroaniline	88-74-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	20	1	ug/L
2-Nitrophenol	88-75-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
3,3-Dichlorobenzidine	91-94-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		4.0	10	1	ug/L
3-Methylcholanthrene	56-49-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
3-Nitroaniline	99-09-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	20	1	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	50	1	ug/L
4-Aminobiphenyl	92-67-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
4-Bromophenyl phenyl ether	101-55-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
4-Chloro-3-methylphenol	59-50-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
4-Chloroaniline	106-47-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
4-Nitroaniline	100-01-6	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	20	1	ug/L
4-Nitrophenol	100-02-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	50	1	ug/L
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Acenaphthene	83-32-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Acenaphthylene	208-96-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Acetophenone	98-86-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	20	1	ug/L
Aniline	62-53-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	50	1	ug/L
Anthracene	120-12-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Azobenzene	103-33-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		10	10	1	ug/L

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Certificate of Analysis

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Benzidine	92-87-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		50	50	1	ug/L
Benzo (a) anthracene	56-55-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Benzo (a) pyrene	50-32-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Benzo (b) fluoranthene	205-99-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Benzo (g,h,i) perylene	191-24-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Benzo (k) fluoranthene	207-08-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Benzoic acid	65-85-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	50	1	ug/L
Benzyl alcohol	100-51-6	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	20	1	ug/L
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
bis (2-Chloroethyl) ether	111-44-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Butyl benzyl phthalate	85-68-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Chrysene	218-01-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Cresols, Total	1319-77-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		3.0	10	1	ug/L
Dibenz (a,h) anthracene	53-70-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Dibenz (a,j) acridine	224-42-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		3.0	10	1	ug/L
Dibenzofuran	132-64-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Diethyl phthalate	84-66-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Dimethyl phthalate	131-11-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Di-n-butyl phthalate	84-74-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Di-n-octyl phthalate	117-84-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Diphenylamine	122-39-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Ethyl methanesulfonate	62-50-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	20	1	ug/L
Fluoranthene	206-44-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Fluorene	86-73-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Hexachlorobenzene	118-74-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Hexachlorobutadiene	87-68-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L

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Hexachlorocyclopentadiene	77-47-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Hexachloroethane	67-72-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Isophorone	78-59-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Methyl methanesulfonate	66-27-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Naphthalene	91-20-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Nitrobenzene	98-95-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
N-Nitrosodimethylamine	62-75-9	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
N-Nitrosodiphenylamine	86-30-6	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
N-Nitrosopiperidine	100-75-4	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
o-Cresol	95-48-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
p-Cresol	106-44-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
p-Dimethylaminoazobenzene	60-11-7	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Pentachlorobenzene	608-93-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Pentachloronitrobenzene	82-68-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Pentachlorophenol	87-86-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	20	1	ug/L
Phenacetin	62-44-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Phenanthrene	85-01-8	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Phenol	108-95-2	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Pronamide	23950-58-5	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		2.0	10	1	ug/L
Pyrene	129-00-0	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Pyridine	110-86-1	SW8270C	FB1	07080253-001	8/16/2007	08/23/07 14:05	BLOD		1.0	10	1	ug/L
Ammonia	7664-41-7	SM4500-NH3 F	FB1	07080253-001	8/16/2007	08/20/07 11:00	BLOD		0.05	0.10	1	mg/L
Nitrate	14797-55-8	EPA300.0	FB1	07080253-001	8/16/2007	08/18/07 13:20	BLOD		0.10	0.10	1	mg/L
pH	NA	SM4500-H B	FB1	07080253-001	8/16/2007	08/17/07 13:43	5.1		0.0	0.0	1	SU

The pH measurement was performed outside of the 15 minute holding time.

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Sulfide	18496-25-8	SW9030B	FB1	07080253-001	8/16/2007	08/21/07 14:30	BLOD		1.0	1.0	1	mg/L
TKN		EPA351.2	FB1	07080253-001	8/16/2007	08/21/07 10:54	BLOD		0.2	0.2	1	mg/L
Total Organic Carbon (TOC)	NA	SW9060	FB1	07080253-001	8/16/2007	08/20/07 17:19	BLOD		1.0	1.0	1	mg/L
Total Organic Halides (TOX)	NA	SW9020B	FB1	07080253-001	8/16/2007	08/21/07 9:00	BLOD		10	10	1	ug/L
Strontium		SW6010B	FB1	07080253-001	8/16/2007	08/27/07 15:51	BLOD		0.100	0.100	1	mg/L
Azinophos	86-50-0	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58	BLOD		500	500	1	ug/kg

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Sulfotepp	3689-24-5	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58		BLOD	500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58		BLOD	500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58		BLOD	500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP5-S1A	07080253-002	8/16/2007	08/30/07 6:58		BLOD	500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 13:38	9050		323	323	100	mg/kg
Antimony	7440-36-0	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23		BLOD	6.47	6.47	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23		BLOD	0.647	0.647	1	mg/kg
Barium	7440-39-3	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	34.3		0.647	0.647	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	1.01		0.647	0.647	1	mg/kg
Chromium	7440-47-3	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	48.3		0.647	0.647	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	8.27		0.647	0.647	1	mg/kg
Copper	7440-50-8	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	6.17		3.23	3.23	1	mg/kg
Iron	7439-89-6	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 13:38	17700		323	323	100	mg/kg
Lead	7439-92-1	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	14.2		0.647	0.647	1	mg/kg
Manganese	7439-96-5	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	106		0.647	0.647	1	mg/kg
Mercury	7439-97-6	SW7471A	DP5-S1A	07080253-002	8/16/2007	08/22/07 15:12		BLOD	0.010	0.010	1	mg/kg
Nickel	7440-02-0	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	9.19		0.647	0.647	1	mg/kg
Selenium	7782-49-2	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23		BLOD	3.23	3.23	1	mg/kg
Silver	7440-22-4	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23		BLOD	0.647	0.647	1	mg/kg
Tin	7440-31-5	SW7871	DP5-S1A	07080253-002	8/16/2007	08/31/07 10:35		BLOD	6.5	6.5	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	39.7		0.647	0.647	1	mg/kg
Zinc	7440-66-6	SW6010B	DP5-S1A	07080253-002	8/16/2007	08/27/07 14:23	23.2		3.23	3.23	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP5-S1A	07080253-002	8/16/2007	08/20/07 21:13		BLOD	6.5	6.5	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37		BLOD	64.7	64.7	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37		BLOD	64.7	64.7	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37		BLOD	64.7	64.7	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37		BLOD	64.7	64.7	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37		BLOD	64.7	64.7	5	ug/kg

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1,1-Dichloroethylene	75-35-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Acetone	67-64-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Benzene	71-43-2	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Bromoform	75-25-2	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg

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Carbon disulfide	75-15-0	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Chloroform	67-66-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Methylene chloride was analyzed on September 10, 2007 at 20:43.												
MTBE	1634-04-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Styrene	100-42-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg

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Toluene	108-88-3	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP5-S1A	07080253-002	8/16/2007	08/21/07 22:37	BLOD		64.7	64.7	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP5-S1A	07080253-002	8/16/2007	08/24/07 18:10	BLOD		12.9	12.9	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP5-S1A	07080253-002	8/16/2007	08/24/07 15:09	BLOD		6.47	6.47	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP5-S1A	07080253-002	8/16/2007	08/24/07 15:09	BLOD		6.47	6.47	1	ug/kg
2,4-D	94-75-7	SW8151A	DP5-S1A	07080253-002	8/16/2007	08/24/07 15:09	23.6		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP5-S1A	07080253-002	8/16/2007	08/24/07 15:09	BLOD		0.01	0.01	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP5-S1A	07080253-002	8/16/2007	08/24/07 15:09	BLOD		0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		7.8	7.8	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
Aldrin	309-00-2	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
Chlordane	57-74-9	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		52	52	1	ug/kg

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delta-BHC	319-86-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		7.8	7.8	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
Endrin	72-20-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		5.2	5.2	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		10	10	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		2.6	2.6	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		52	52	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		52	52	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP5-S1A	07080253-002	8/16/2007	08/22/07 18:52	BLOD		52	52	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg

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Certificate of Analysis

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2-Chloronaphthalene	91-58-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Aniline	62-53-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Anthracene	120-12-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzidine	92-87-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg

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Benzo (g,h,i) perylene	191-24-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Chrysene	218-01-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Fluorene	86-73-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg
Isophorone	78-59-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48	BLOD		650	650	1	ug/kg

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Methyl methanesulfonate	66-27-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Phenol	108-95-2	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pyrene	129-00-0	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
Pyridine	110-86-1	SW8270C	DP5-S1A	07080253-002	8/16/2007	08/21/07 17:48		BLOD	650	650	1	ug/kg
% Ash	NA	SM2540E	DP5-S1A	07080253-002	8/16/2007	08/28/07 11:00	99		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP5-S1A	07080253-002	8/16/2007	08/27/07 16:00	22.7		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP5-S1A	07080253-002	8/16/2007	08/20/07 11:00	18		13	13	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP5-S1A	07080253-002	8/16/2007	08/24/07 10:50		BLOD	13	13	10	mg/kg
Organic Matter, %		SM2540G	DP5-S1A	07080253-002	8/16/2007	08/28/07 11:00	1.2		0.1	0.1	1	%
pH	NA	SW9045C	DP5-S1A	07080253-002	8/16/2007	08/22/07 10:55	7.0		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP5-S1A	07080253-002	8/16/2007	08/21/07 14:30		BLOD	65	65	1	mg/kg
TKN		EPA351.2	DP5-S1A	07080253-002	8/16/2007	08/21/07 10:54	33.1		32.3	32.3	1	mg/kg

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Extractable Organic Halides (EOX)		SW9023	DP5-S1A	07080253-002	8/16/2007	08/20/07 12:30	BLOD		12.9	12.9	1	mg/kg
Strontium		SW6010B	DP5-S1A	07080253-002	8/16/2007	08/24/07 10:23	BLOD		3.23	3.23	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP5-S1A	07080253-002	8/16/2007	08/23/07 17:55	21000		260	260	10	mg/kg
Azinophos	86-50-0	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34	BLOD		500	500	1	ug/kg

AIR WATER & SOIL LABORATORIES, INC.

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Richmond, Virginia 23230
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(804) 358-8297 - Fax

Certificate of Analysis

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Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Tokuthion	34643-46-4	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34		BLOD	500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP6-S1A	07080253-003	8/16/2007	08/30/07 7:34		BLOD	500	500	1	ug/kg
Aluminum	7429-90-5	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 13:40	7300		319	319	100	mg/kg
Antimony	7440-36-0	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26		BLOD	6.38	6.38	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26		BLOD	0.638	0.638	1	mg/kg
Barium	7440-39-3	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	28.1		0.638	0.638	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	0.934		0.638	0.638	1	mg/kg
Chromium	7440-47-3	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	64.0		0.638	0.638	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	6.64		0.638	0.638	1	mg/kg
Copper	7440-50-8	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	4.80		3.19	3.19	1	mg/kg
Iron	7439-89-6	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 13:40	16200		319	319	100	mg/kg
Lead	7439-92-1	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	3.38		0.638	0.638	1	mg/kg
Manganese	7439-96-5	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	89.8		0.638	0.638	1	mg/kg
Mercury	7439-97-6	SW7471A	DP6-S1A	07080253-003	8/16/2007	08/22/07 15:14		BLOD	0.010	0.010	1	mg/kg
Nickel	7440-02-0	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	9.55		0.638	0.638	1	mg/kg
Selenium	7782-49-2	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26		BLOD	3.19	3.19	1	mg/kg
Silver	7440-22-4	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26		BLOD	0.638	0.638	1	mg/kg
Tin	7440-31-5	SW7871	DP6-S1A	07080253-003	8/16/2007	08/31/07 10:41		BLOD	6.4	6.4	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	32.1		0.638	0.638	1	mg/kg
Zinc	7440-66-6	SW6010B	DP6-S1A	07080253-003	8/16/2007	08/27/07 14:26	18.1		3.19	3.19	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP6-S1A	07080253-003	8/16/2007	08/20/07 21:41		BLOD	6.4	6.4	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg

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1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Acetone	67-64-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Benzene	71-43-2	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Bromoform	75-25-2	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg

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Chlorobenzene	108-90-7	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Chloroform	67-66-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Methylene chloride was analyzed on September 10, 2007 at 21:07.												
MTBE	1634-04-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Styrene	100-42-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
Toluene	108-88-3	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03	BLOD		63.8	63.8	5	ug/kg

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trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
Trichlorofluoromethane	75-69-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP6-S1A	07080253-003	8/16/2007	08/21/07 23:03		BLOD	63.8	63.8	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP6-S1A	07080253-003	8/16/2007	08/24/07 18:35		BLOD	12.8	12.8	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP6-S1A	07080253-003	8/16/2007	08/24/07 15:23		BLOD	6.38	6.38	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP6-S1A	07080253-003	8/16/2007	08/24/07 15:23		BLOD	6.38	6.38	1	ug/kg
2,4-D	94-75-7	SW8151A	DP6-S1A	07080253-003	8/16/2007	08/24/07 15:23	2.57		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP6-S1A	07080253-003	8/16/2007	08/24/07 15:23		BLOD	0.01	0.01	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP6-S1A	07080253-003	8/16/2007	08/24/07 15:23		BLOD	0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	7.7	7.7	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	5.1	5.1	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	5.1	5.1	1	ug/kg
Aldrin	309-00-2	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	2.6	2.6	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	2.6	2.6	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	2.6	2.6	1	ug/kg
Chlordane	57-74-9	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	51	51	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	5.1	5.1	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11		BLOD	5.1	5.1	1	ug/kg

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Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Endosulfan I	959-98-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		5.1	5.1	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		7.7	7.7	1	ug/kg
Endosulfan sulfate	1031-07-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		2.6	2.6	1	ug/kg
Endrin	72-20-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		5.1	5.1	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		10	10	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		2.6	2.6	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		2.6	2.6	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		51	51	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		51	51	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP6-S1A	07080253-003	8/16/2007	08/22/07 19:11	BLOD		51	51	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg

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Certificate of Analysis

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2-Methylnaphthalene	91-57-6	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2-Nitroaniline	88-74-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Aniline	62-53-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Anthracene	120-12-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzidine	92-87-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg

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Benzoic acid	65-85-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Chrysene	218-01-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Fluorene	86-73-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Isophorone	78-59-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg

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Nitrobenzene	98-95-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Phenol	108-95-2	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pyrene	129-00-0	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
Pyridine	110-86-1	SW8270C	DP6-S1A	07080253-003	8/16/2007	08/21/07 18:23	BLOD		640	640	1	ug/kg
% Ash	NA	SM2540E	DP6-S1A	07080253-003	8/16/2007	08/28/07 11:00	99		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP6-S1A	07080253-003	8/16/2007	08/27/07 16:00	21.6		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP6-S1A	07080253-003	8/16/2007	08/20/07 11:00	BLOD		13	13	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP6-S1A	07080253-003	8/16/2007	08/24/07 11:20	BLOD		13	13	10	mg/kg
Organic Matter, %		SM2540G	DP6-S1A	07080253-003	8/16/2007	08/28/07 11:00	1.1		0.1	0.1	1	%
pH	NA	SW9045C	DP6-S1A	07080253-003	8/16/2007	08/22/07 10:55	6.5		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP6-S1A	07080253-003	8/16/2007	08/21/07 14:30	BLOD		64	64	1	mg/kg
TKN		EPA351.2	DP6-S1A	07080253-003	8/16/2007	08/21/07 10:54	119		31.9	31.9	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP6-S1A	07080253-003	8/16/2007	08/20/07 12:30	BLOD		12.8	12.8	1	mg/kg
Strontium		SW6010B	DP6-S1A	07080253-003	8/16/2007	08/24/07 10:37	BLOD		3.19	3.19	1	mg/kg

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Total Organic Carbon (TOC)	NA	SM5310C	DP6-S1A	07080253-003	8/16/2007	08/23/07 18:24	20000		260	260	10	mg/kg
Azinophos	86-50-0	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Bolstar	35400-43-2	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Chlorpyrifos	2921-88-2	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Coumaphos	56-72-4	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Demeton-o	298-03-3	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Diazinon	333-41-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Dichlorvos	62-73-7	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Dimethoate	60-51-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Disulfoton	298-04-4	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
EPN	2104-64-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Ethoprop	13194-48-4	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Ethyl parathion	56-38-2	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Fensulfothion	115-90-2	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Fenthion	55-38-9	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Malathion	121-75-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Merphos	150-50-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Methyl parathion	298-00-0	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Mevinphos	7786-34-7	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Naled	300-76-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Phorate	298-02-2	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Ronnel	299-84-3	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Stirophos	961-11-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Sulfotepp	3689-24-5	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Tepp	107-49-3	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Tokuthion	34643-46-4	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg
Trichloronat	327-98-0	SW8141A	DP7-S1A	07080253-004	8/16/2007	08/30/07 8:11	BLOD		500	500	1	ug/kg

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Aluminum	7429-90-5	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 13:43	9560		304	304	100	mg/kg
Antimony	7440-36-0	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30		BLOD	6.08	6.08	1	mg/kg
Arsenic	7440-38-2	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30		BLOD	0.608	0.608	1	mg/kg
Barium	7440-39-3	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	26.9		0.608	0.608	1	mg/kg
Cadmium	7440-43-9	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	1.22		0.608	0.608	1	mg/kg
Chromium	7440-47-3	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	72.2		0.608	0.608	1	mg/kg
Cobalt	7440-48-4	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	13.6		0.608	0.608	1	mg/kg
Copper	7440-50-8	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	7.21		3.04	3.04	1	mg/kg
Iron	7439-89-6	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 13:43	21900		304	304	100	mg/kg
Lead	7439-92-1	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	4.14		0.608	0.608	1	mg/kg
Manganese	7439-96-5	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	215		0.608	0.608	1	mg/kg
Mercury	7439-97-6	SW7471A	DP7-S1A	07080253-004	8/16/2007	08/22/07 15:16		BLOD	0.010	0.010	1	mg/kg
Nickel	7440-02-0	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	10.1		0.608	0.608	1	mg/kg
Selenium	7782-49-2	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30		BLOD	3.04	3.04	1	mg/kg
Silver	7440-22-4	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30		BLOD	0.608	0.608	1	mg/kg
Tin	7440-31-5	SW7871	DP7-S1A	07080253-004	8/16/2007	08/31/07 10:48		BLOD	6.1	6.1	5	mg/kg
Vanadium	7440-62-2	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	57.4		0.608	0.608	1	mg/kg
Zinc	7440-66-6	SW6010B	DP7-S1A	07080253-004	8/16/2007	08/27/07 14:30	25.9		3.04	3.04	1	mg/kg
TPH-Volatiles (GRO)	NA	SW8015B	DP7-S1A	07080253-004	8/16/2007	08/20/07 22:08		BLOD	6.1	6.1	50	mg/kg
1,1,1,2-Tetrachloroethane	630-20-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1,1-Trichloroethane	71-55-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1,2,2-Tetrachloroethane	79-34-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1,2-Trichloroethane	79-00-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1-Dichloroethane	75-34-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1-Dichloroethylene	75-35-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,1-Dichloropropene	563-58-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,2,3-Trichlorobenzene	87-61-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg
1,2,3-Trichloropropane	96-18-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29		BLOD	60.8	60.8	5	ug/kg

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1,2,4-Trichlorobenzene	120-82-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2,4-Trimethylbenzene	95-63-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2-Dibromoethane (EDB)	106-93-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2-Dichloroethane	107-06-2	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,2-Dichloropropane	78-87-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,3,5-Trimethylbenzene	108-67-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,3-Dichloropropane	142-28-9	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
2,2-Dichloropropane	594-20-7	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
2-Butanone (MEK)	78-93-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
2-Chlorotoluene	95-49-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
2-Hexanone (MBK)	591-78-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
4-Chlorotoluene	106-43-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
4-Methyl-2-pentanone (MIBK)	108-10-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Acetone	67-64-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Benzene	71-43-2	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Bromobenzene	108-86-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Bromochloromethane	74-97-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Bromodichloromethane	75-27-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Bromoform	75-25-2	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Bromomethane	74-83-9	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Carbon disulfide	75-15-0	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Carbon tetrachloride	56-23-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Chlorobenzene	108-90-7	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Chloroethane	75-00-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg

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Chloroform	67-66-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Chloromethane	74-87-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
cis-1,2-Dichloroethylene	156-59-2	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
cis-1,3-Dichloropropene	10061-01-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Dibromochloromethane	124-48-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Dibromomethane	74-95-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Dichlorodifluoromethane	75-71-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Ethylbenzene	100-41-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Hexachlorobutadiene	87-68-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Iodomethane	74-88-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Isopropylbenzene	98-82-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
m,p-Xylenes	1330-20-7	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Methylene chloride	75-09-2	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Methylene chloride was analyzed on September 10, 2007 at 21:31.												
MTBE	1634-04-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Naphthalene	91-20-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
n-Butylbenzene	104-51-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
n-Propylbenzene	103-65-1	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
o-Xylene	95-47-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
p-Isopropyltoluene	99-87-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
sec-Butylbenzene	135-98-8	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Styrene	100-42-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
tert-Butylbenzene	98-06-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Tetrachloroethylene (PCE)	127-18-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Toluene	108-88-3	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
trans-1,2-Dichloroethylene	156-60-5	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
trans-1,3-Dichloropropene	10061-02-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Trichloroethylene	79-01-6	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg

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Trichlorofluoromethane	75-69-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Vinyl acetate	108-05-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Vinyl chloride	75-01-4	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	5	ug/kg
Xylenes, Total	1330-20-7	SW8260B	DP7-S1A	07080253-004	8/16/2007	08/21/07 23:29	BLOD		60.8	60.8	1	ug/kg
TPH-Semi-Volatiles (DRO)	NA	SW8015B	DP7-S1A	07080253-004	8/16/2007	08/24/07 19:00	15.3		12.2	12.2	1	mg/kg
2,4,5-T	93-76-5	SW8151A	DP7-S1A	07080253-004	8/16/2007	08/24/07 15:37	BLOD		6.08	6.08	1	ug/kg
2,4,5-TP (Silvex)	93-72-1	SW8151A	DP7-S1A	07080253-004	8/16/2007	08/24/07 15:37	BLOD		6.08	6.08	1	ug/kg
2,4-D	94-75-7	SW8151A	DP7-S1A	07080253-004	8/16/2007	08/24/07 15:37	BLOD		0.01	0.01	1	ug/kg
Dinoseb	88-85-7	SW8151A	DP7-S1A	07080253-004	8/16/2007	08/24/07 15:37	BLOD		0.01	0.01	1	ug/kg
Pentachlorophenol	87-86-5	SW8151A	DP7-S1A	07080253-004	8/16/2007	08/24/07 15:37	BLOD		0.01	0.01	1	ug/kg
PCB as Aroclor 1016	12674-11-2	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1221	11104-28-2	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1232	11141-16-5	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1242	53469-21-9	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1248	12672-29-6	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1254	11097-69-1	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
PCB as Aroclor 1260	11096-82-5	SW8082	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		0.1	0.1	1	mg/kg
4,4-DDD	72-54-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		7.3	7.3	1	ug/kg
4,4-DDE	72-55-9	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
4,4-DDT	50-29-3	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
Aldrin	309-00-2	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
alpha-BHC	319-84-6	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
beta-BHC	319-85-7	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
Chlordane	57-74-9	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		49	49	1	ug/kg
delta-BHC	319-86-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
Dieldrin	60-57-1	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
Endosulfan I	959-98-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
Endosulfan II	33213-65-9	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		7.3	7.3	1	ug/kg

AIR WATER & SOIL LABORATORIES, INC.

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(804) 358-8295 - Telephone
(804) 358-8297 - Fax

Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
Endosulfan sulfate	1031-07-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
Endrin	72-20-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		4.9	4.9	1	ug/kg
Endrin aldehyde	7421-93-4	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		9.7	9.7	1	ug/kg
gamma-BHC (Lindane)	58-89-9	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
Heptachlor	76-44-8	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		2.4	2.4	1	ug/kg
Heptachlor epoxide	1024-57-3	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		49	49	1	ug/kg
Methoxychlor	72-43-5	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		49	49	1	ug/kg
Toxaphene	8001-35-2	SW8081A	DP7-S1A	07080253-004	8/16/2007	08/22/07 19:29	BLOD		49	49	1	ug/kg
1,2,4,5-Tetrachlorobenzene	95-94-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1,2,4-Trichlorobenzene	120-82-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1,2-Dichlorobenzene	95-50-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1,3-Dichlorobenzene	541-73-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1,4-Dichlorobenzene	106-46-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1-Chloronaphthalene	90-13-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
1-Naphthylamine	134-32-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,3,4,6-Tetrachlorophenol	58-90-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4,5-Trichlorophenol	95-95-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4,6-Trichlorophenol	88-06-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4-Dichlorophenol	120-83-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4-Dimethylphenol	105-67-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4-Dinitrophenol	51-28-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,4-Dinitrotoluene	121-14-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,6-Dichlorophenol	87-65-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2,6-Dinitrotoluene	606-20-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2-Chloronaphthalene	91-58-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2-Chlorophenol	95-57-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2-Methylnaphthalene	91-57-6	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2-Naphthylamine	91-59-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg

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Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
2-Nitroaniline	88-74-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
2-Nitrophenol	88-75-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
3,3-Dichlorobenzidine	91-94-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
3-Methylcholanthrene	56-49-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
3-Nitroaniline	99-09-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Aminobiphenyl	92-67-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Bromophenyl phenyl ether	101-55-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Chloro-3-methylphenol	59-50-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Chloroaniline	106-47-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Nitroaniline	100-01-6	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
4-Nitrophenol	100-02-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
7,12-Dimethylbenz (a) anthracene	57-97-6	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Acenaphthene	83-32-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Acenaphthylene	208-96-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Acetophenone	98-86-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Aniline	62-53-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Anthracene	120-12-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Azobenzene	103-33-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzidine	92-87-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzo (a) anthracene	56-55-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzo (a) pyrene	50-32-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzo (b) fluoranthene	205-99-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzo (g,h,i) perylene	191-24-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzo (k) fluoranthene	207-08-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzoic acid	65-85-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Benzyl alcohol	100-51-6	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg

Appendix J

Certificates of Analysis:

Moisture Content, Bulk Density, Dry Density, Specific Gravity, Porosity, Void Ratio, Coefficient of Consolidation

SHELBY TUBE
BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 01
Location: DP1 - S1B
Date Sampled: 8/6/2007

Moisture Content	
Tare Number	**G-17**
wt. tare & wet sample (gm)	76.79
wt. tare & dry sample (gm)	61.23
wt. of Water (gm)	15.56
wt. of tare (gm)	32.16
wt. of dry sample (gm)	29.07
Water content (%)	**53.5**

Sample Dimensions (In.)	
Diameter 1	3.031
Diameter 2	3.048
Diameter 3	3.034
Avg. Diam.	**3.038**
Length 1	1.985
Length 2	1.895
Length 3	1.933
Avg. Length	**1.938**

Sample Weight	
Wt. Tube + Soil (g)	441.47
Wt. of Tube (g)	71.37
Soil wt. (g)	370.10
Soil wt. (lbs.)	**0.816**
Volume (cu feet.)	**0.0081**

Porosity	0.601
Specific Gravity	2.6248
Void Ratio	1.505

Bulk Wet Density **100.4** **(pcf)**

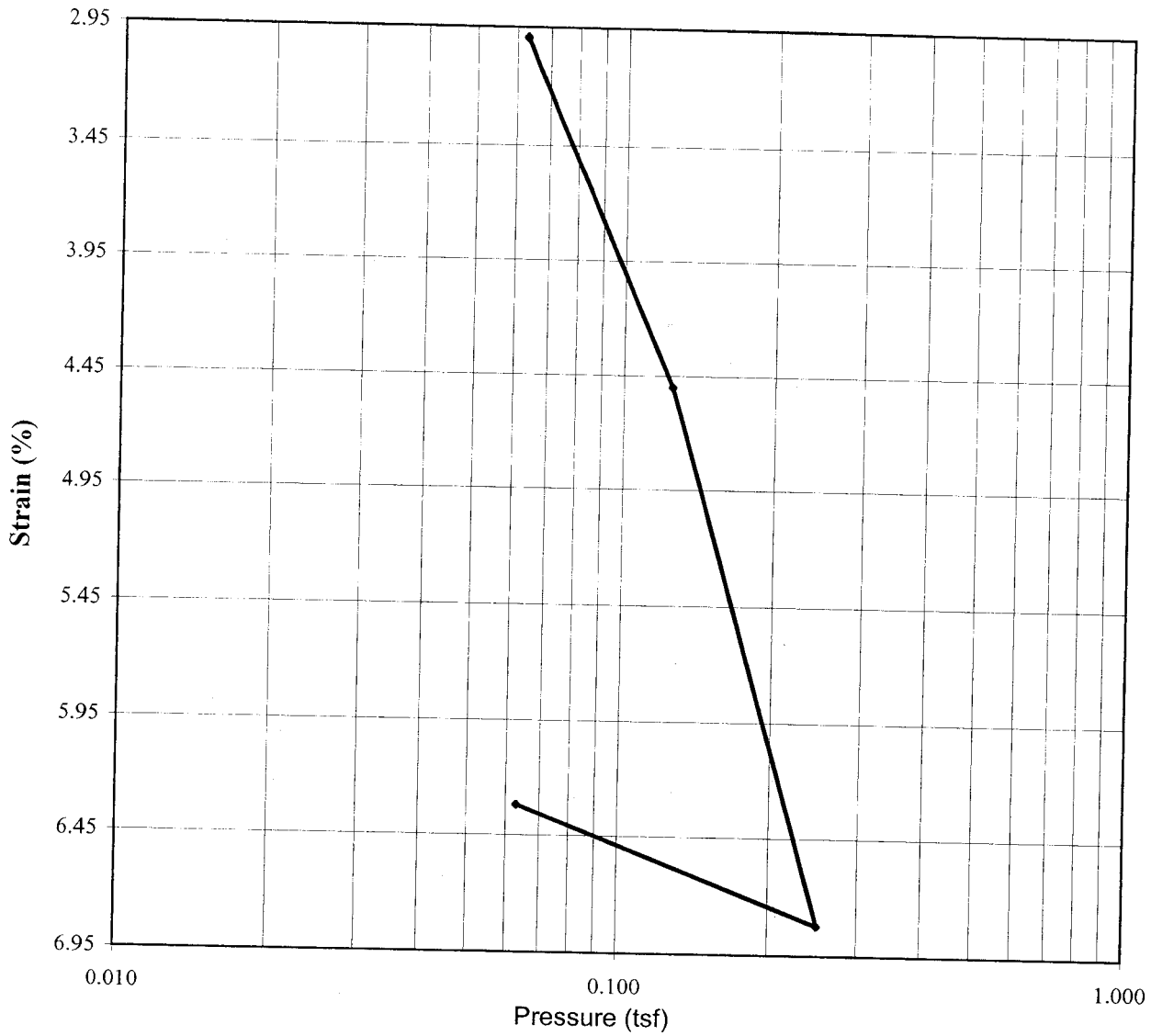
Bulk Dry Density **65.4** **(pcf)**

Visual Description: *Dark Brown Sand (Mica & Organics)*

Performed By: Dave Jenks

Date: 8/16/2007

Consolidation Test
Test Results

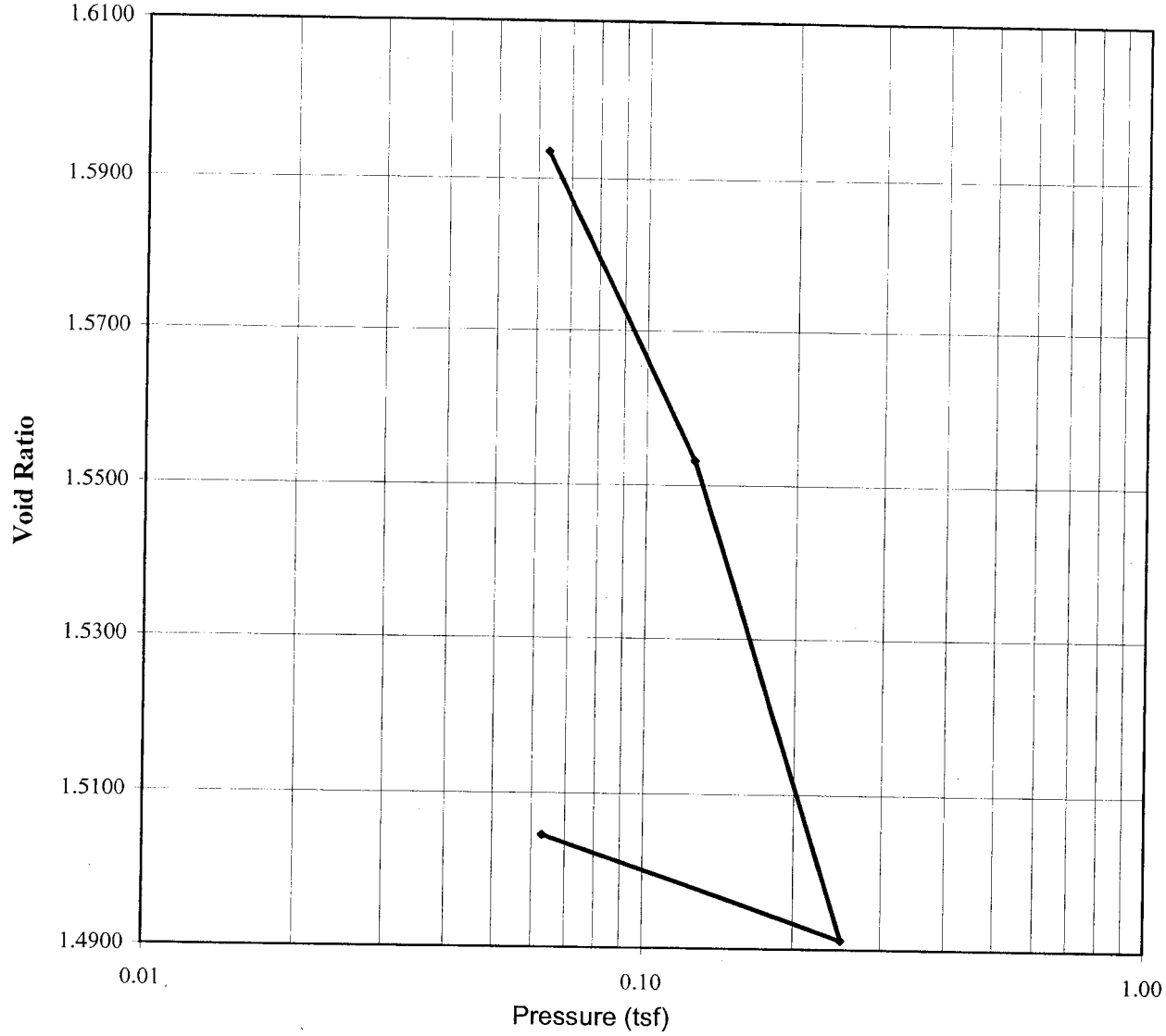


	Before	After				
Moisture (%):	53.5	52.9	Liquid Limits:	0	Test Date:	08/16/2007
Dry Density (pcf):	61.1	65.8	Plastic Limits:	0		
Saturation (%):	83.6	93.2	Plasticity Index :	0		
Void Ratio:	1.6735	1.5045	Specific Gravity:	2.625	Measured	

Soil Description:	Brown, Silty Sand with Organics (Mica)			
Project Number:	J62-110E	Depth:	NA	Remarks:
Sample Number:	01	Date Sampled :	8/6/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP1 - S1B			

J62-110E (Pigg River - 01).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	53.5	52.9	**Liquid Limits:**	0	**Test Date:**	08/16/2007
Dry Density (pcf):	61.1	65.8	**Plastic Limits:**	0		
Saturation (%):	83.6	93.2	**Plasticity Index :**	0		
Void Ratio:	1.6735	1.5045	**Specific Gravity:**	2.625	Measured	

Soil Description: Brown, Silty Sand with Organics (Mica)

Project Number: J62-110E **Depth:** NA

Sample Number: 01 **Date Sampled :** 8/6/2007

Project: Pigg River Sediment

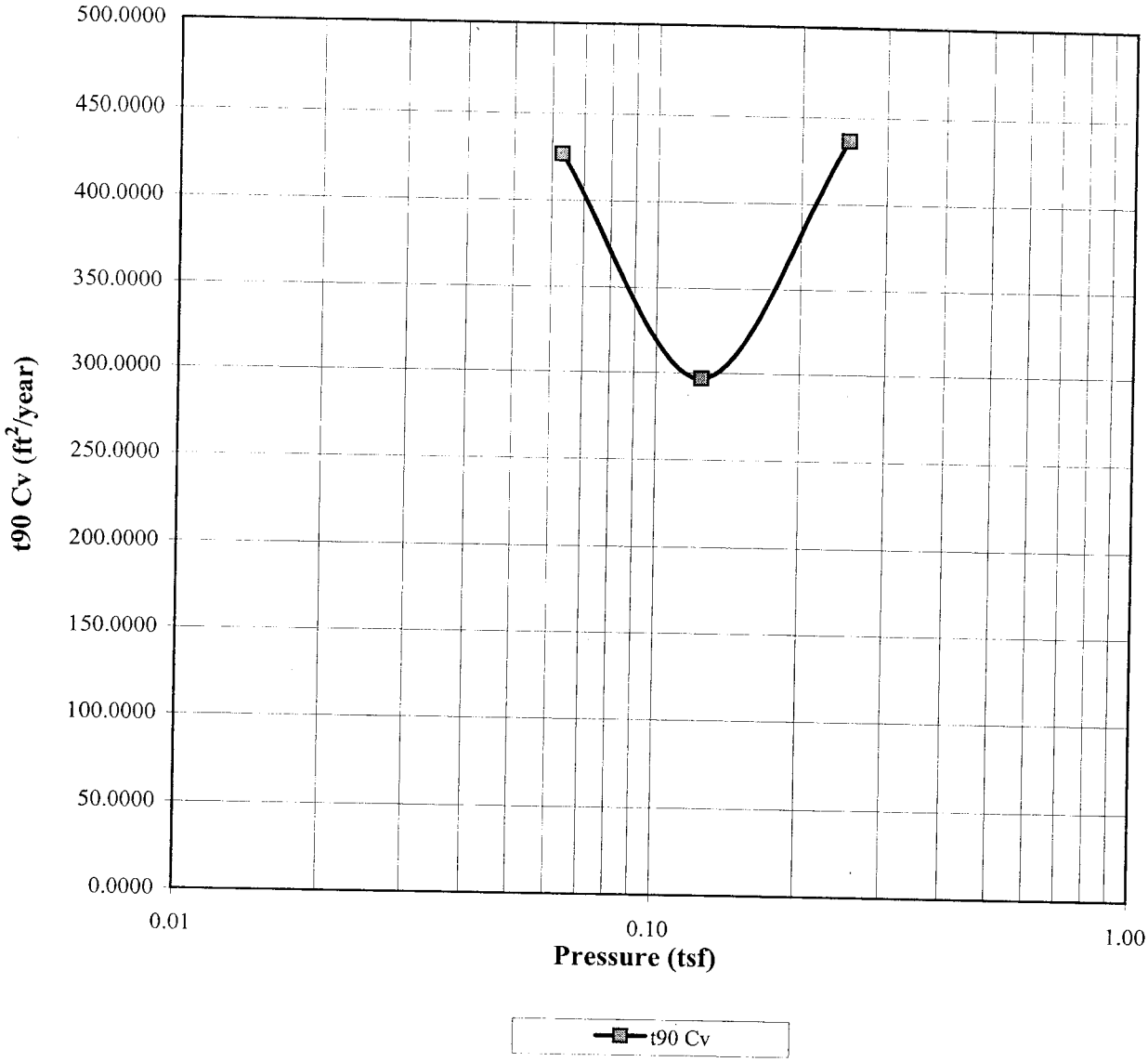
Client: FishAmerica

Location: DP1 - S1B

Remarks:

J62-110E (Pigg River - 01).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	53.5	52.9	**Liquid Limits:**	0	**Test Date:**	08/16/2007
Dry Density (pcf):	61.1	65.8	**Plastic Limits:**	0		
Saturation (%):	83.6	93.2	**Plasticity Index :**	0		
Void Ratio:	1.6735	1.5045	**Specific Gravity:**	2.625	Measured	

Soil Description: Brown, Silty Sand with Organics (Mica)

Project Number: J62-110E **Depth:** NA

Sample Number: 01 **Date Sampled :** 8/6/2007

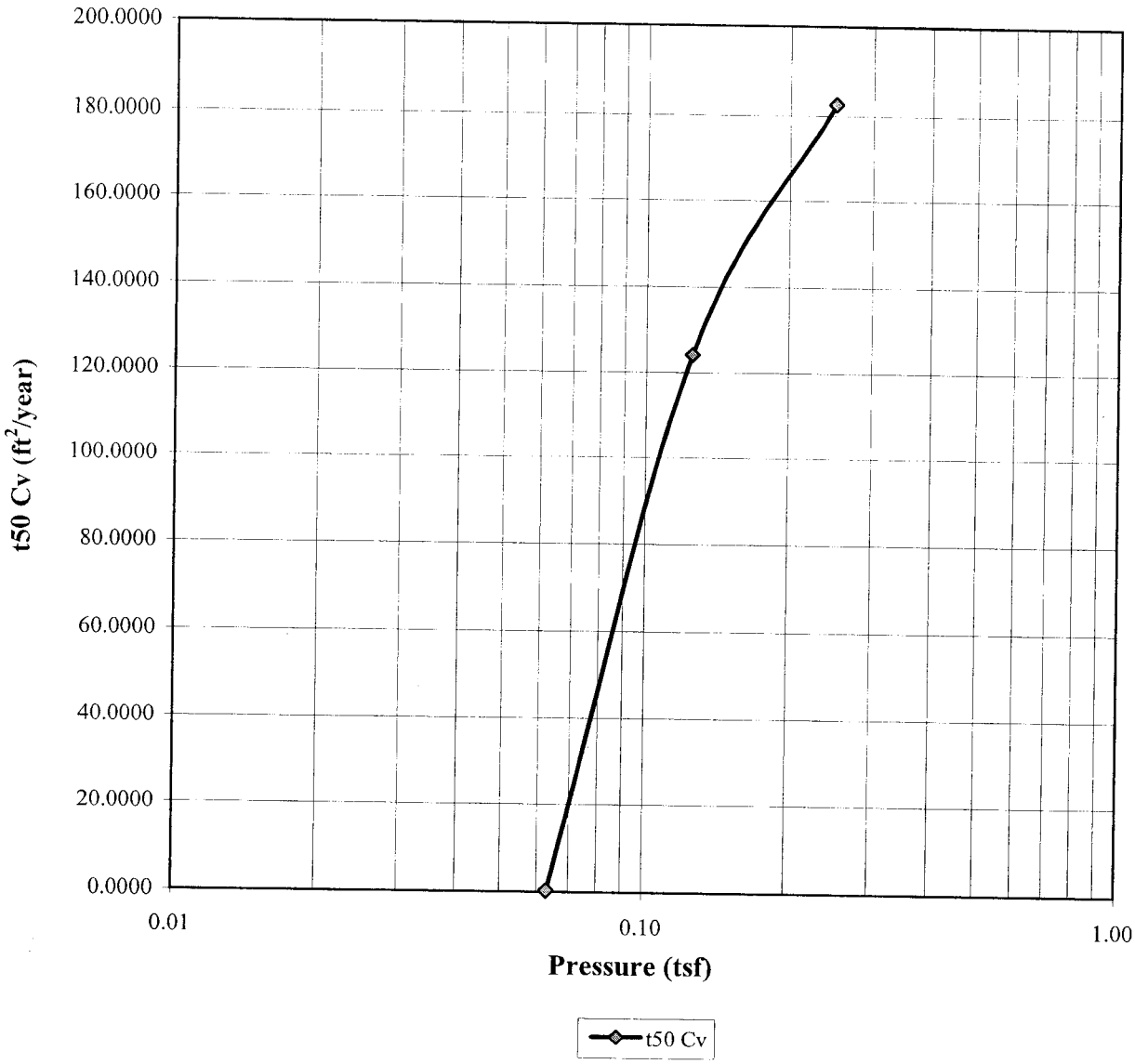
Project: Pigg River Sediment

Client: FishAmerica

Location: DP1 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	53.5	52.9	**Liquid Limits:**	0	**Test Date:**	08/16/2007
Dry Density (pcf):	61.1	65.8	**Plastic Limits:**	0		
Saturation (%):	83.6	93.2	**Plasticity Index :**	0		
Void Ratio:	1.6735	1.5045	**Specific Gravity:**	2.625	Measured	

Soil Description: Brown, Silty Sand with Organics (Mica)

Project Number: J62-110E **Depth:** NA

Sample Number: 01 **Date Sampled :** 8/6/2007

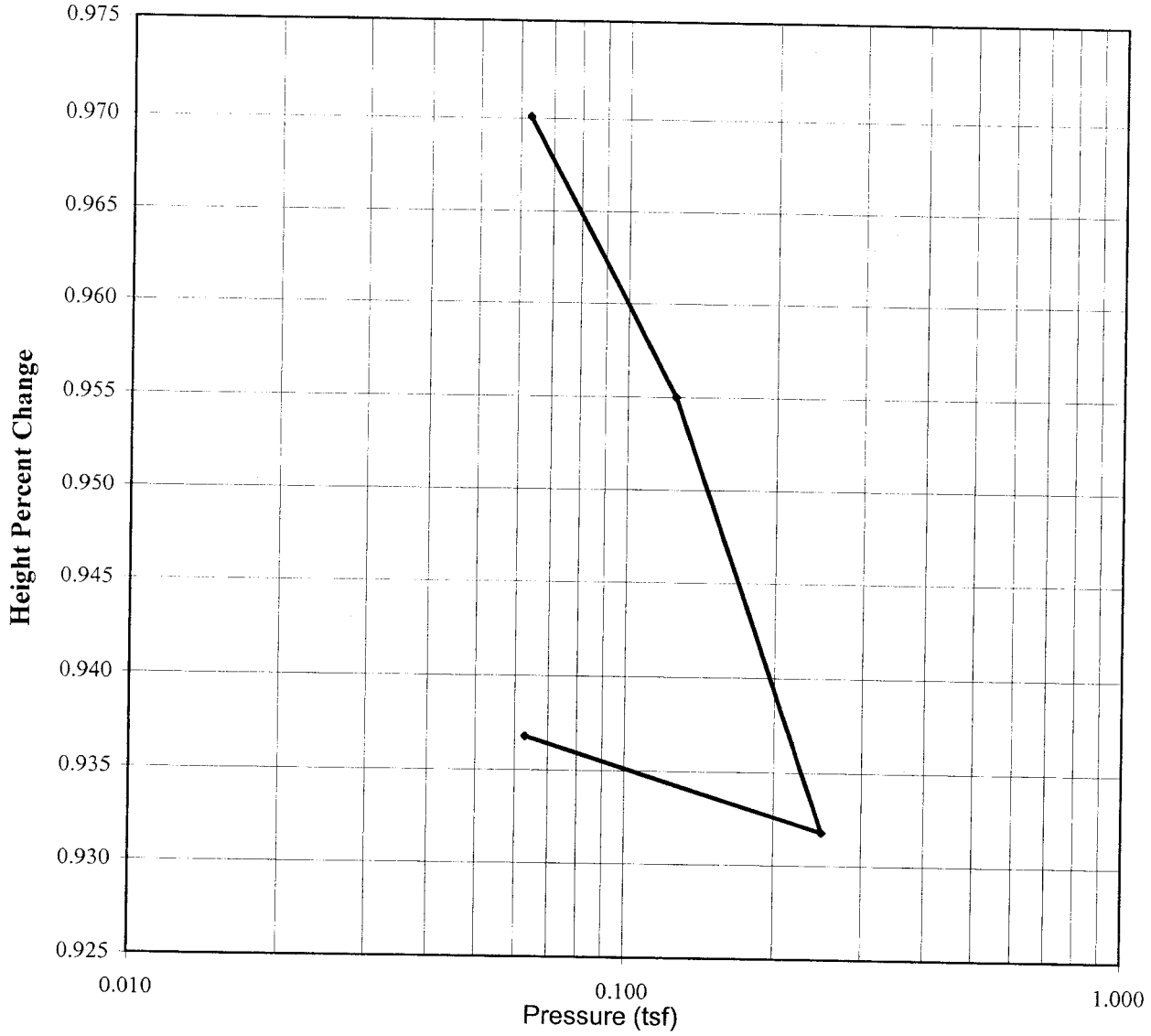
Project: Pigg River Sediment

Client: FishAmerica

Location: DP1 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	53.5	52.9	Liquid Limits:	0	Test Date:	08/16/2007
Dry Density (pcf):	61.1	65.8	Plastic Limits:	0		
Saturation (%):	83.6	93.2	Plasticity Index :	0		
Void Ratio:	1.6735	1.5045	Specific Gravity:	2.625	Measured	

Soil Description:	Brown, Silty Sand with Organics (Mica)			
Project Number:	J62-110E	Depth:	NA	Remarks:
Sample Number:	01	Date Sampled :	8/6/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP1 - S1B			

J62-110E (Pigg River - 01).HSD

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Specific Gravity: 2.625 Measured

Sample Number: 01
Date Sampled : 8/6/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

Test Number: 01
Test Date: 08/16/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.6260	0.00	1.6735	0.000		0.000	
1	0.063	0.0299	0.9701	0.5961	2.99	1.5936	1.760		426.688	
2	0.125	0.0450	0.9550	0.5810	4.50	1.5532	2.415		296.814	
3	0.250	0.0682	0.9318	0.5578	6.82	1.4912	1.577		436.636	
4	0.063	0.0632	0.9368	0.5628	6.32	1.5045	0.000		0.000	

Tested By Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Test Date: 08/16/2007

Sample Number: 01
Boring Number: NA
Date Sampled : 8/6/2007
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

Test Number: 01
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.625 Measured

Initial Void Ratio: 1.6735
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	76.79	181.58
Dry Soil + Container (g)	61.23	139.55
Weight of Container (g)	32.16	60.08
Moisture Content (%)	53.5	52.9
Void Ratio	1.6735	1.5045
Saturation (%)	83.6	93.2
Dry Density (pcf)	61.1	65.8

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Test Date: 08/16/2007
Test Number: 01

Sample Number: 01
Boring Number: NA
Date Sampled : 8/6/2007
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

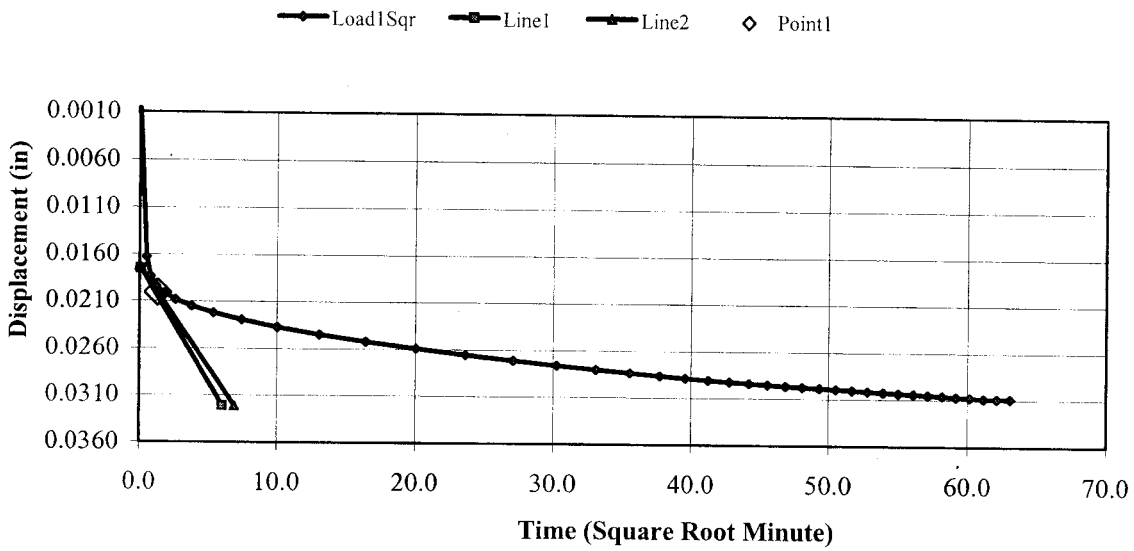
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0006	0.0000	0.0000	1.6735
1	00:00:06	0.0176	0.0166	1.6600	1.6291
2	00:00:15	0.0188	0.0178	1.7800	1.6259
3	00:00:30	0.0194	0.0184	1.8400	1.6243
4	00:01:00	0.0198	0.0188	1.8800	1.6232
5	00:02:01	0.0201	0.0191	1.9100	1.6224
6	00:04:01	0.0207	0.0197	1.9700	1.6208
7	00:08:02	0.0215	0.0205	2.0500	1.6187
8	00:16:03	0.0222	0.0212	2.1200	1.6168
9	00:32:06	0.0230	0.0220	2.2000	1.6147
10	01:04:12	0.0238	0.0228	2.2800	1.6125
11	02:08:23	0.0246	0.0236	2.3600	1.6104
12	04:16:47	0.0256	0.0246	2.4600	1.6077
13	08:01:27	0.0267	0.0257	2.5700	1.6048
14	12:02:11	0.0273	0.0263	2.6300	1.6032
15	16:02:55	0.0276	0.0266	2.6600	1.6024
16	20:03:47	0.0284	0.0274	2.7400	1.6002
17	22:04:21	0.0287	0.0277	2.7700	1.5994
18	24:04:55	0.0287	0.0277	2.7700	1.5994
19	26:05:31	0.0288	0.0278	2.7800	1.5992
20	28:06:08	0.0290	0.0280	2.8000	1.5986
21	30:06:44	0.0293	0.0283	2.8300	1.5978
22	32:07:20	0.0295	0.0285	2.8500	1.5973
23	34:07:56	0.0296	0.0286	2.8600	1.5970
24	36:08:32	0.0296	0.0286	2.8600	1.5970
25	38:09:09	0.0297	0.0287	2.8700	1.5968
26	40:09:45	0.0298	0.0288	2.8800	1.5965
27	42:10:21	0.0298	0.0288	2.8800	1.5965
28	44:10:57	0.0302	0.0292	2.9200	1.5954
29	46:11:34	0.0302	0.0292	2.9200	1.5954
30	48:12:10	0.0302	0.0292	2.9200	1.5954
31	50:12:46	0.0303	0.0293	2.9300	1.5952
32	52:13:22	0.0304	0.0294	2.9400	1.5949
33	54:13:59	0.0305	0.0295	2.9500	1.5946
34	56:14:35	0.0306	0.0296	2.9600	1.5944
35	58:15:11	0.0307	0.0297	2.9700	1.5941

36	60:15:47	0.0307	0.0297	2.9700	1.5941
37	62:16:23	0.0309	0.0299	2.9900	1.5936
38	64:17:00	0.0309	0.0299	2.9900	1.5936
39	66:17:36	0.0309	0.0299	2.9900	1.5936

Tested By: Dave Jenks **Checked By:**

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Test Date: 08/16/2007
Test Number: 01

Sample Number: 01
Date Sampled : 8/6/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

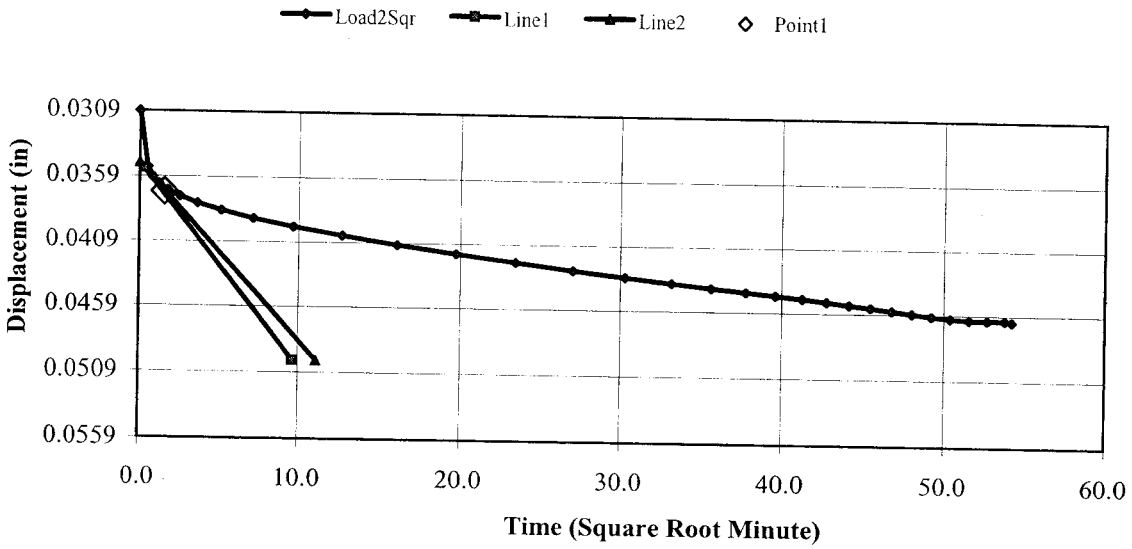
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0309	0.0299	2.9900	1.5936
1	00:00:06	0.0353	0.0339	3.3900	1.5829
2	00:00:15	0.0358	0.0344	3.4400	1.5815
3	00:00:30	0.0361	0.0347	3.4700	1.5807
4	00:01:01	0.0365	0.0351	3.5100	1.5797
5	00:02:01	0.0369	0.0355	3.5500	1.5786
6	00:04:02	0.0375	0.0361	3.6100	1.5770
7	00:08:03	0.0379	0.0365	3.6500	1.5759
8	00:16:05	0.0384	0.0370	3.7000	1.5746
9	00:32:10	0.0391	0.0377	3.7700	1.5727
10	01:04:20	0.0398	0.0384	3.8400	1.5708
11	02:08:39	0.0404	0.0390	3.9000	1.5692
12	04:17:17	0.0412	0.0398	3.9800	1.5671
13	08:02:25	0.0421	0.0407	4.0700	1.5647
14	12:03:38	0.0431	0.0417	4.1700	1.5620
15	16:04:50	0.0437	0.0423	4.2300	1.5604
16	20:06:03	0.0439	0.0425	4.2500	1.5599
17	22:06:39	0.0440	0.0426	4.2600	1.5596
18	24:07:15	0.0445	0.0431	4.3100	1.5583
19	26:07:51	0.0447	0.0433	4.3300	1.5577
20	28:08:27	0.0447	0.0433	4.3300	1.5577
21	30:09:04	0.0448	0.0434	4.3400	1.5575
22	32:09:40	0.0451	0.0437	4.3700	1.5567
23	34:10:16	0.0455	0.0441	4.4100	1.5556
24	36:10:52	0.0456	0.0442	4.4200	1.5553
25	38:11:29	0.0458	0.0444	4.4400	1.5548
26	40:12:05	0.0461	0.0447	4.4700	1.5540
27	42:12:41	0.0463	0.0449	4.4900	1.5535
28	44:13:17	0.0463	0.0449	4.4900	1.5535
29	46:13:54	0.0463	0.0449	4.4900	1.5535
30	48:14:30	0.0463	0.0449	4.4900	1.5535
31	48:58:36	0.0464	0.0450	4.5000	1.5532

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Test Date: 08/16/2007
Test Number: 01

Sample Number: 01
Date Sampled : 8/6/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0464	0.0450	4.5000	1.5532
1	00:00:06	0.0536	0.0515	5.1500	1.5358
2	00:00:15	0.0545	0.0524	5.2400	1.5334
3	00:00:30	0.0554	0.0533	5.3300	1.5310
4	00:01:00	0.0562	0.0541	5.4100	1.5289
5	00:02:00	0.0570	0.0549	5.4900	1.5267
6	00:04:01	0.0581	0.0560	5.6000	1.5238
7	00:08:02	0.0591	0.0570	5.7000	1.5211
8	00:16:04	0.0601	0.0580	5.8000	1.5184
9	00:32:09	0.0611	0.0590	5.9000	1.5158
10	01:04:19	0.0623	0.0602	6.0200	1.5126
11	02:08:38	0.0637	0.0616	6.1600	1.5088
12	04:17:17	0.0649	0.0628	6.2800	1.5056
13	08:02:25	0.0665	0.0644	6.4400	1.5013
14	12:03:37	0.0681	0.0660	6.6000	1.4970
15	16:04:50	0.0695	0.0674	6.7400	1.4933
16	20:06:02	0.0696	0.0675	6.7500	1.4930
17	22:06:38	0.0699	0.0678	6.7800	1.4922
18	24:07:15	0.0702	0.0681	6.8100	1.4914
19	25:37:28	0.0703	0.0682	6.8200	1.4912

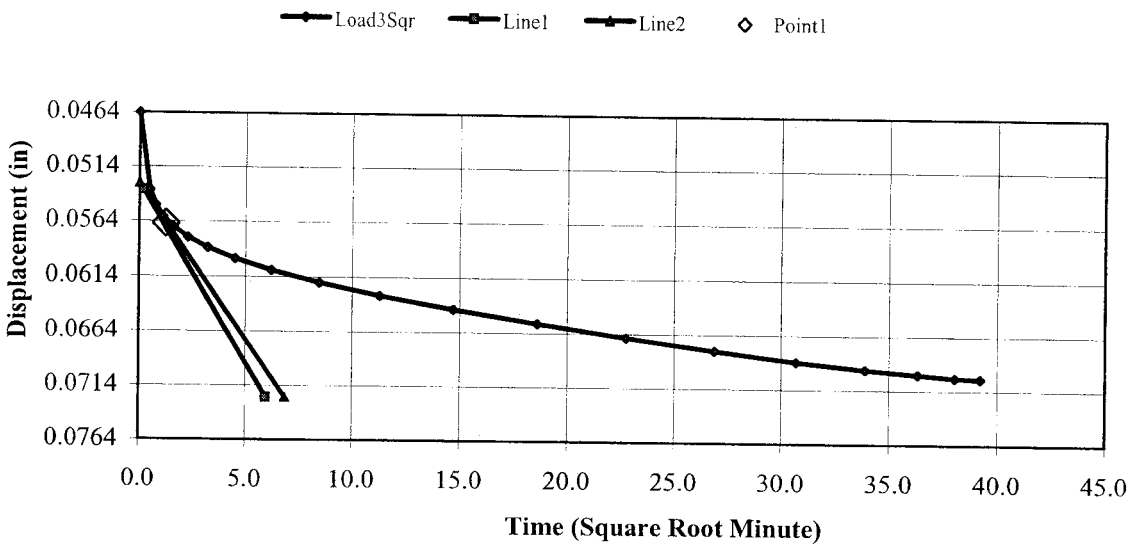
Displacement (in)

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP1 - S1B

Project Number: J62-110E

Test Date: 08/16/2007
Test Number: 01

Sample Number: 01
Date Sampled : 8/6/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Brown, Silty Sand with Organics (Mica)

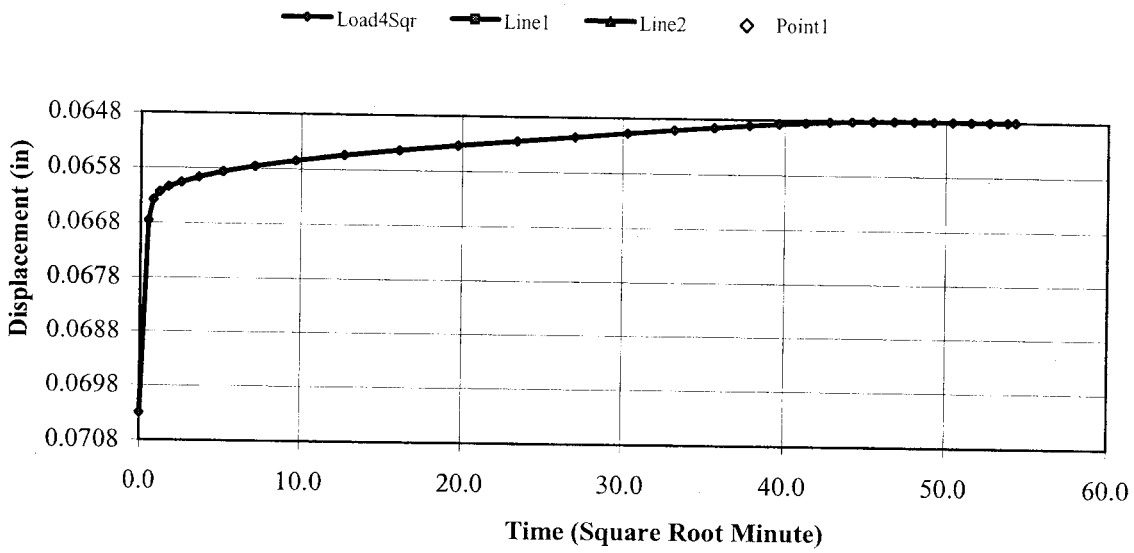
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0703	0.0682	6.8200	1.4912
1	00:00:06	0.0662	0.0646	6.4600	1.5008
2	00:00:15	0.0662	0.0646	6.4600	1.5008
3	00:00:30	0.0662	0.0646	6.4600	1.5008
4	00:01:00	0.0662	0.0646	6.4600	1.5008
5	00:02:01	0.0662	0.0646	6.4600	1.5008
6	00:04:01	0.0661	0.0645	6.4500	1.5011
7	00:08:03	0.0660	0.0644	6.4400	1.5013
8	00:16:05	0.0658	0.0642	6.4200	1.5019
9	00:32:10	0.0657	0.0641	6.4100	1.5021
10	01:04:19	0.0656	0.0640	6.4000	1.5024
11	02:08:39	0.0655	0.0639	6.3900	1.5027
12	04:17:18	0.0653	0.0637	6.3700	1.5032
13	08:02:25	0.0653	0.0637	6.3700	1.5032
14	12:03:38	0.0653	0.0637	6.3700	1.5032
15	16:04:50	0.0650	0.0634	6.3400	1.5040
16	20:06:02	0.0649	0.0633	6.3300	1.5043
17	22:06:39	0.0649	0.0633	6.3300	1.5043
18	24:07:15	0.0649	0.0633	6.3300	1.5043
19	26:07:51	0.0649	0.0633	6.3300	1.5043
20	28:08:27	0.0648	0.0632	6.3200	1.5045
21	30:09:04	0.0648	0.0632	6.3200	1.5045
22	32:09:40	0.0648	0.0632	6.3200	1.5045
23	34:10:16	0.0648	0.0632	6.3200	1.5045
24	36:10:53	0.0648	0.0632	6.3200	1.5045
25	38:11:29	0.0648	0.0632	6.3200	1.5045
26	40:12:05	0.0648	0.0632	6.3200	1.5045
27	42:12:41	0.0648	0.0632	6.3200	1.5045
28	44:13:17	0.0648	0.0632	6.3200	1.5045
29	46:13:54	0.0648	0.0632	6.3200	1.5045
30	48:14:30	0.0648	0.0632	6.3200	1.5045
31	49:05:52	0.0648	0.0632	6.3200	1.5045

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 02
Location: DP2 - S1B
Date Sampled: 8/7/2007

Moisture Content	
Tare Number	**E-32**
wt. tare & wet sample (gm)	107.35
wt. tare & dry sample (gm)	82.97
wt. of Water (gm)	24.38
wt. of tare (gm)	31.35
wt. of dry sample (gm)	51.62
Water content (%)	**47.2**

Sample Dimensions (In.)	
Diameter 1	3.051
Diameter 2	3.041
Diameter 3	3.046
Avg. Diam.	**3.046**
Length 1	3.120
Length 2	3.109
Length 3	3.048
Avg. Length	**3.092**

Sample Weight	
Wt. Tube + Soil (g)	709.65
Wt. of Tube (g)	113.68
Soil wt. (g)	595.97
Soil wt. (lbs.)	**1.314**

Porosity	0.567
Specific Gravity	2.5304
Void Ratio	1.307

Volume (cu feet.) **0.0130**

Bulk Wet Density **100.8** **(pcf)**

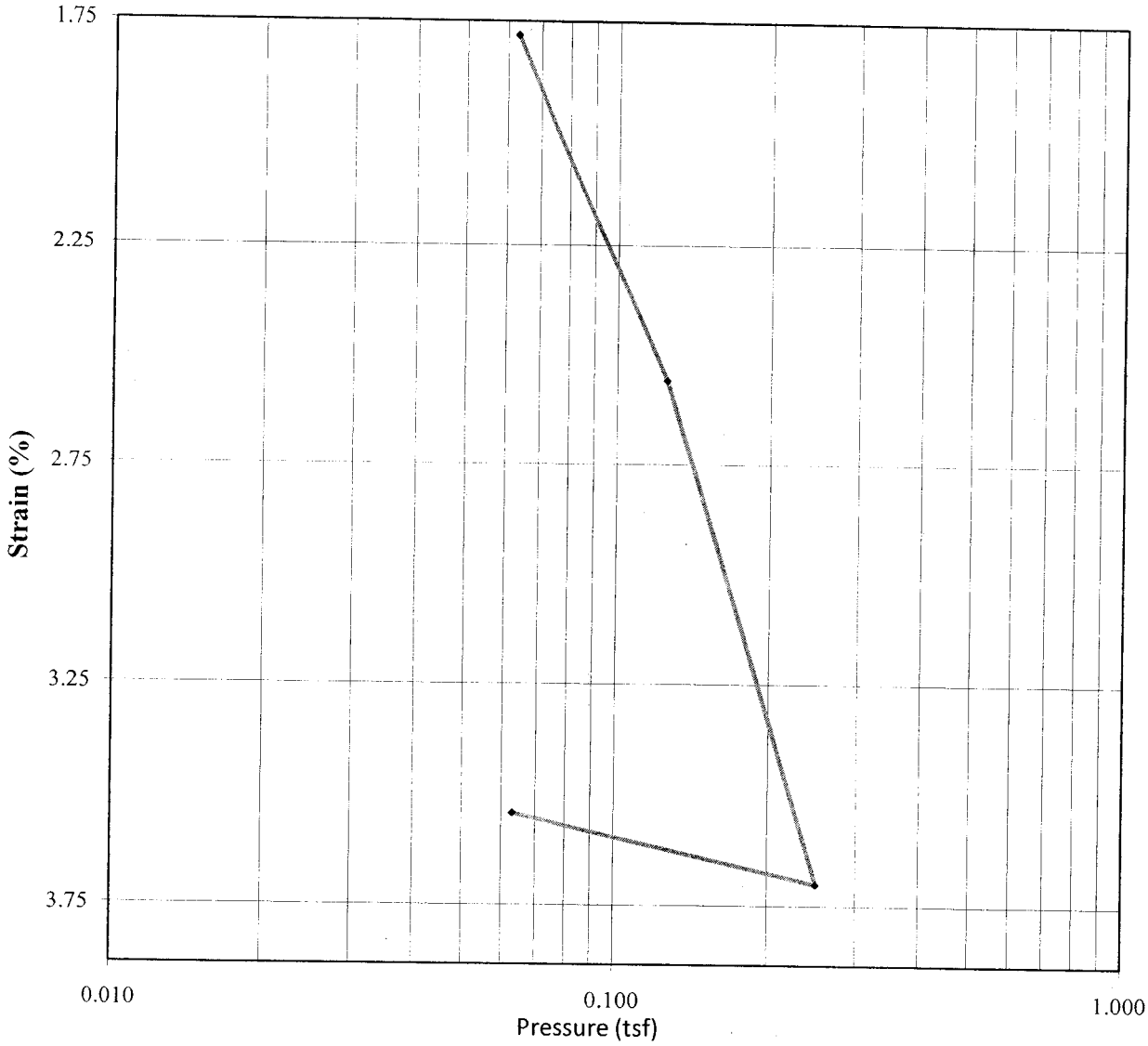
Bulk Dry Density **68.4** **(pcf)**

Visual Description: *Dark Brown Sand (Organics)*

Performed By: Dave Jenks

Date: 8/17/2007

Consolidation Test
Test Results



	Before	After				
Moisture (%):	47.2	46.1	**Liquid Limits:**	0	**Test Date:**	08/17/2007
Dry Density (pcf):	68.5	73.1	**Plastic Limits:**	0		
Saturation (%):	91.5	100.0	**Plasticity Index:**	0		
Void Ratio:	1.3037	1.2222	**Specific Gravity:**	2.530	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 02 **Sample Date:** 8/7/2007

Project: Pigg River Sediment

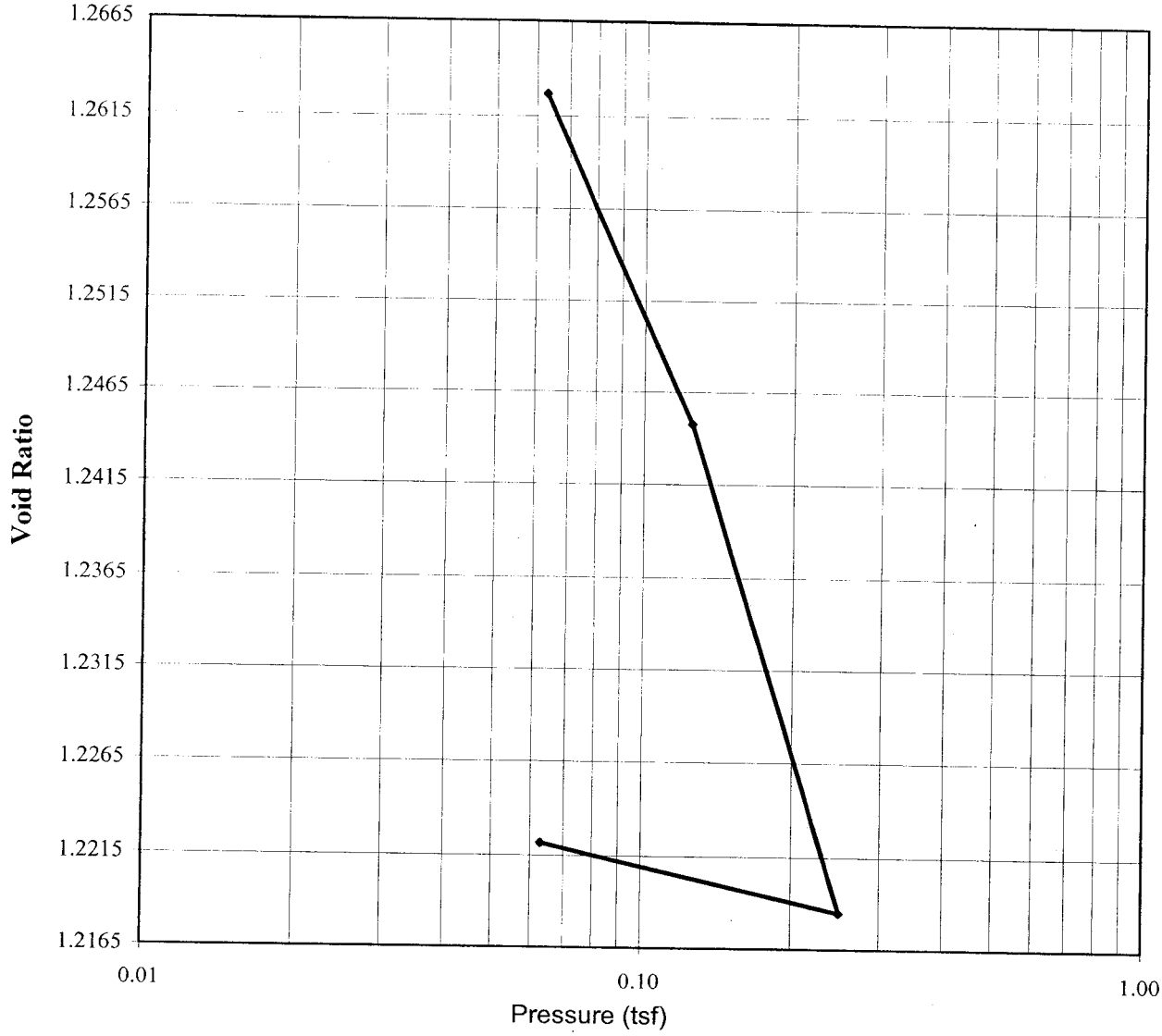
Client: FishAmerica

Location: DP2 - S1B

Remarks:

J62-110E (Pigg River - 02).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	47.2	46.1	**Liquid Limits:**	0	**Test Date:**	08/17/2007
Dry Density (pcf):	68.5	73.1	**Plastic Limits:**	0		
Saturation (%):	91.5	100.0	**Plasticity Index:**	0		
Void Ratio:	1.3037	1.2222	**Specific Gravity:**	2.530	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 02 **Sample Date:** 8/7/2007

Project: Pigg River Sediment

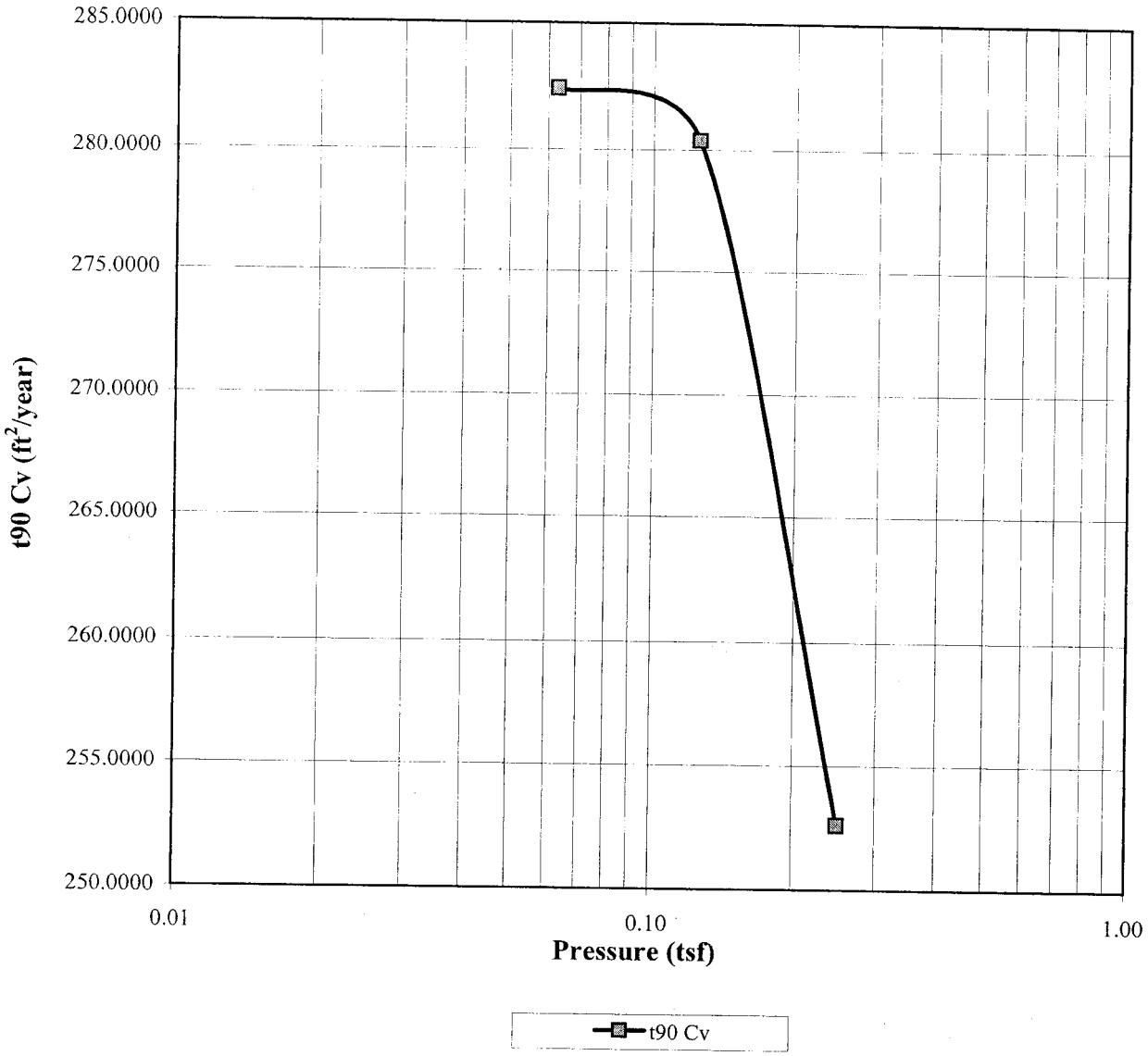
Client: FishAmerica

Location: DP2 - S1B

Remarks:

J62-110E (Pigg River - 02).HSD

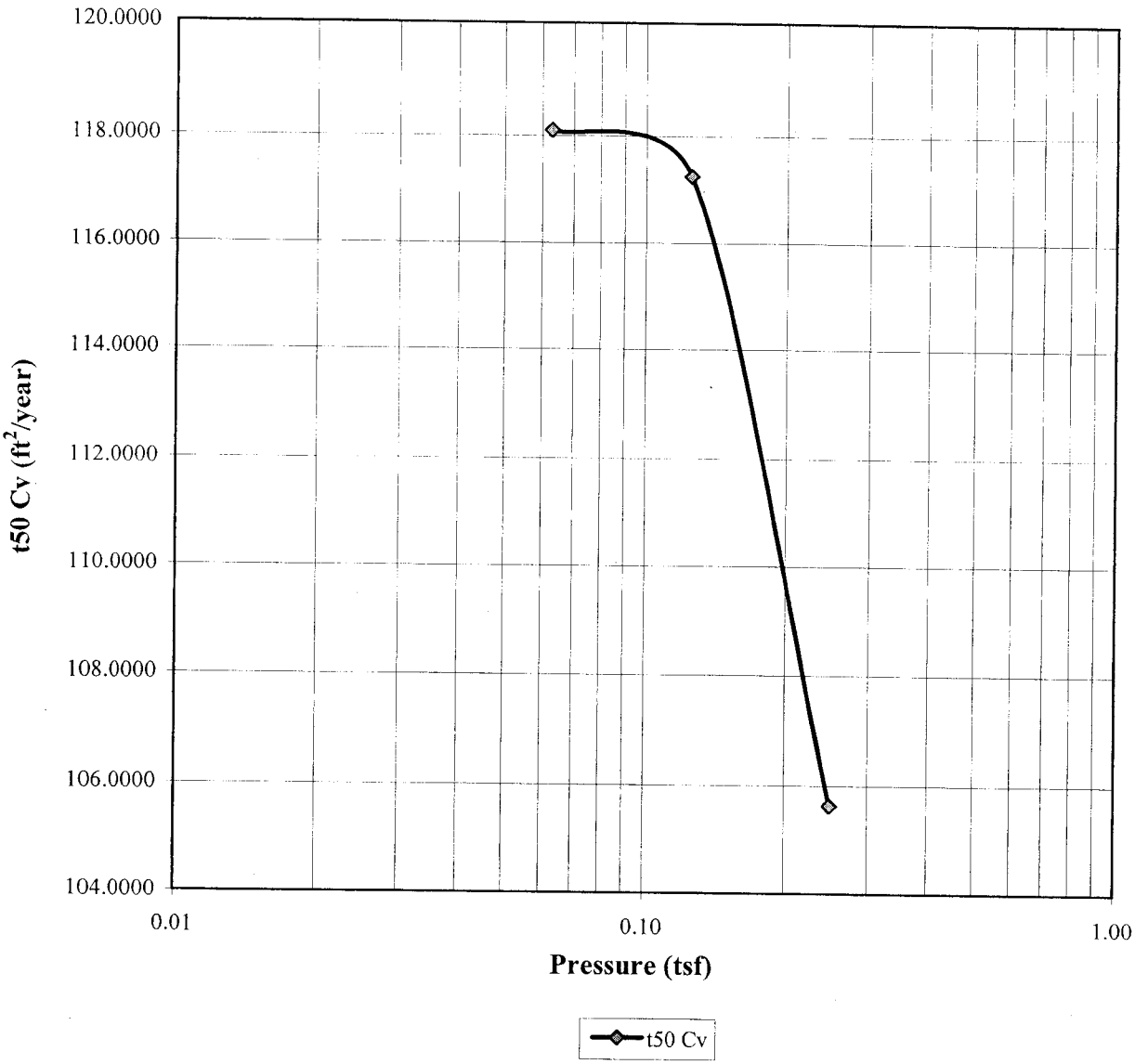
Consolidation Test
Test Results



	Before	After				
Moisture (%):	47.2	46.1	Liquid Limits:	0	Test Date:	08/17/2007
Dry Density (pcf):	68.5	73.1	Plastic Limits:	0		
Saturation (%):	91.5	100.0	Plasticity Index:	0		
Void Ratio:	1.3037	1.2222	Specific Gravity:	2.530	Measured	

Soil Description:	Dark Brown Sand (Organics)			
Project Number:	J62-110E	Depth:	NA	Remarks:
Sample Number:	02	Sample Date:	8/7/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP2 - S1B			

Consolidation Test
Test Results



	Before	After				
Moisture (%):	47.2	46.1	**Liquid Limits:**	0	**Test Date:**	08/17/2007
Dry Density (pcf):	68.5	73.1	**Plastic Limits:**	0		
Saturation (%):	91.5	100.0	**Plasticity Index:**	0		
Void Ratio:	1.3037	1.2222	**Specific Gravity:**	2.530	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 02 **Sample Date:** 8/7/2007

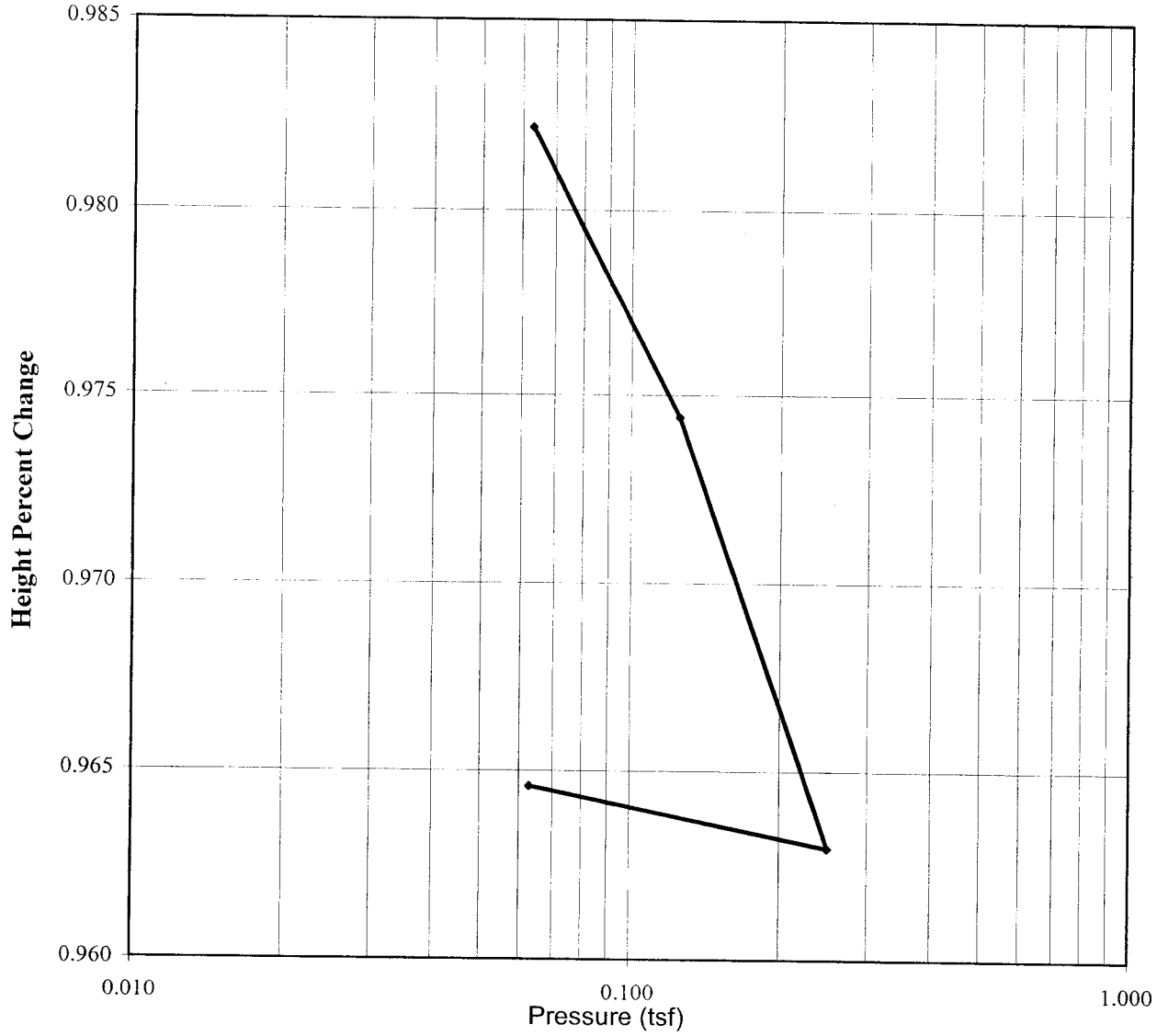
Project: Pigg River Sediment

Client: FishAmerica

Location: DP2 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	47.2	46.1	**Liquid Limits:**	0	**Test Date:**	08/17/2007
Dry Density (pcf):	68.5	73.1	**Plastic Limits:**	0		
Saturation (%):	91.5	100.0	**Plasticity Index:**	0		
Void Ratio:	1.3037	1.2222	**Specific Gravity:**	2.530	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 02 **Sample Date:** 8/7/2007

Project: Pigg River Sediment

Client: FishAmerica

Location: DP2 - S1B

Remarks:

J62-110E (Pigg River - 02).HSD

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Specific Gravity: 2.530 Measured

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

Test Number: 02
Test Date: 08/17/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.5659	0.00	1.3037	0.000		0.000	
1	0.063	0.0178	0.9822	0.5481	1.78	1.2627	2.691		282.429	
2	0.125	0.0256	0.9744	0.5403	2.56	1.2447	2.641		280.390	
3	0.250	0.0370	0.9630	0.5289	3.70	1.2185	2.875		252.603	
4	0.063	0.0354	0.9646	0.5305	3.54	1.2222	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Test Date: 08/17/2007

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

Test Number: 02
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.5300 Measured

Initial Void Ratio: 1.3037
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	107.35	192.77
Dry Soil + Container (g)	82.97	150.94
Weight of Container (g)	31.35	60.13
Moisture Content (%)	47.2	46.1
Void Ratio	1.3037	1.2222
Saturation (%)	91.5	100.0
Dry Density (pcf)	68.5	73.1

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Test Date: 08/17/2007
Test Number: 02

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0003	0.0000	0.0000	1.3037
1	00:00:06	0.0088	0.0083	0.8300	1.2846
2	00:00:15	0.0096	0.0091	0.9100	1.2828
3	00:00:30	0.0117	0.0112	1.1200	1.2779
4	00:01:00	0.0125	0.0120	1.2000	1.2761
5	00:02:00	0.0134	0.0129	1.2900	1.2740
6	00:04:01	0.0137	0.0132	1.3200	1.2733
7	00:08:02	0.0143	0.0138	1.3800	1.2719
8	00:16:05	0.0145	0.0140	1.4000	1.2715
9	00:32:09	0.0151	0.0146	1.4600	1.2701
10	01:04:19	0.0154	0.0149	1.4900	1.2694
11	02:08:38	0.0159	0.0154	1.5400	1.2682
12	04:01:12	0.0162	0.0157	1.5700	1.2675
13	08:02:25	0.0169	0.0164	1.6400	1.2659
14	12:03:37	0.0173	0.0168	1.6800	1.2650
15	16:04:50	0.0175	0.0170	1.7000	1.2646
16	20:06:02	0.0175	0.0170	1.7000	1.2646
17	24:07:15	0.0177	0.0172	1.7200	1.2641
18	28:08:27	0.0177	0.0172	1.7200	1.2641
19	32:09:40	0.0182	0.0177	1.7700	1.2629
20	34:10:16	0.0183	0.0178	1.7800	1.2627
21	36:10:52	0.0183	0.0178	1.7800	1.2627
22	40:12:04	0.0183	0.0178	1.7800	1.2627
23	42:12:41	0.0183	0.0178	1.7800	1.2627
24	44:13:17	0.0183	0.0178	1.7800	1.2627

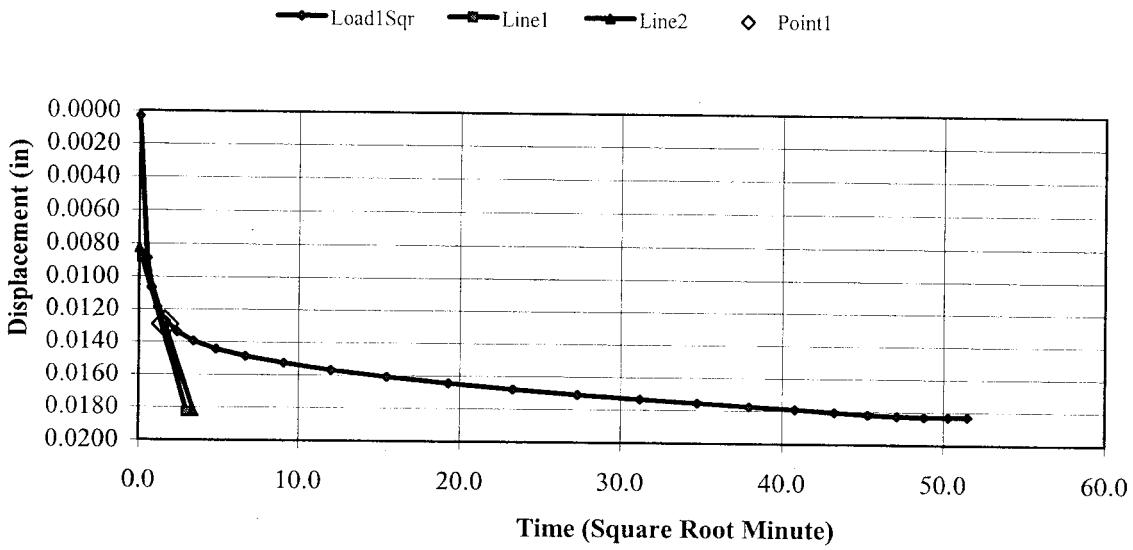
Displacement (in)

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Test Date: 08/17/2007
Test Number: 02

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

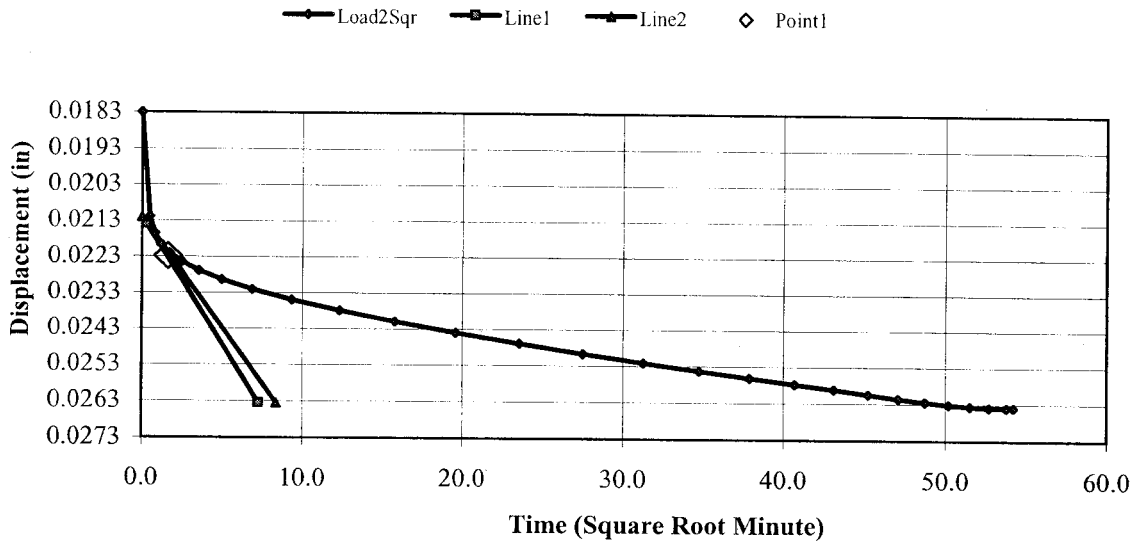
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0183	0.0178	1.7800	1.2627
1	00:00:06	0.0214	0.0206	2.0600	1.2563
2	00:00:15	0.0216	0.0208	2.0800	1.2558
3	00:00:31	0.0217	0.0209	2.0900	1.2556
4	00:01:01	0.0221	0.0213	2.1300	1.2546
5	00:02:01	0.0223	0.0215	2.1500	1.2542
6	00:04:02	0.0224	0.0216	2.1600	1.2540
7	00:08:03	0.0227	0.0219	2.1900	1.2533
8	00:16:05	0.0230	0.0222	2.2200	1.2526
9	00:32:10	0.0232	0.0224	2.2400	1.2521
10	01:04:20	0.0236	0.0228	2.2800	1.2512
11	02:08:39	0.0239	0.0231	2.3100	1.2505
12	04:01:13	0.0241	0.0233	2.3300	1.2500
13	08:02:25	0.0247	0.0239	2.3900	1.2487
14	12:03:38	0.0249	0.0241	2.4100	1.2482
15	16:04:50	0.0254	0.0246	2.4600	1.2470
16	20:06:03	0.0255	0.0247	2.4700	1.2468
17	24:07:15	0.0256	0.0248	2.4800	1.2466
18	28:08:27	0.0257	0.0249	2.4900	1.2464
19	32:09:40	0.0259	0.0251	2.5100	1.2459
20	34:10:16	0.0261	0.0253	2.5300	1.2454
21	36:10:52	0.0262	0.0254	2.5400	1.2452
22	40:12:05	0.0263	0.0255	2.5500	1.2450
23	42:12:41	0.0263	0.0255	2.5500	1.2450
24	44:13:17	0.0264	0.0256	2.5600	1.2447
25	46:13:54	0.0264	0.0256	2.5600	1.2447
26	48:14:30	0.0264	0.0256	2.5600	1.2447
27	48:59:05	0.0264	0.0256	2.5600	1.2447

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Test Date: 08/17/2007
Test Number: 02

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0264	0.0256	2.5600	1.2447
1	00:00:06	0.0305	0.0290	2.9000	1.2369
2	00:00:15	0.0313	0.0298	2.9800	1.2351
3	00:00:30	0.0318	0.0303	3.0300	1.2339
4	00:01:00	0.0320	0.0305	3.0500	1.2335
5	00:02:01	0.0327	0.0312	3.1200	1.2318
6	00:04:01	0.0333	0.0318	3.1800	1.2305
7	00:08:02	0.0339	0.0324	3.2400	1.2291
8	00:16:05	0.0344	0.0329	3.2900	1.2279
9	00:32:10	0.0351	0.0336	3.3600	1.2263
10	01:04:19	0.0357	0.0342	3.4200	1.2249
11	02:08:39	0.0361	0.0346	3.4600	1.2240
12	04:01:13	0.0367	0.0352	3.5200	1.2226
13	08:02:25	0.0374	0.0359	3.5900	1.2210
14	12:03:38	0.0379	0.0364	3.6400	1.2199
15	16:04:50	0.0384	0.0369	3.6900	1.2187
16	20:06:03	0.0384	0.0369	3.6900	1.2187
17	24:07:15	0.0385	0.0370	3.7000	1.2185
18	25:39:07	0.0385	0.0370	3.7000	1.2185

Tested By: Dave Jenks

Checked By:

AIR WATER & SOIL LABORATORIES, INC.

Air Water & Soil Laboratories, Inc.
2109 A. North Hamilton Street
Richmond, Virginia 23230
(804) 358-8295 - Telephone
(804) 358-8297 - Fax

Certificate of Analysis

Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
bis (2-Chloroethoxy) methane	111-91-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
bis (2-Chloroethyl) ether	111-44-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
bis (2-Chloroisopropyl) ether	108-60-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
bis (2-Ethylhexyl) phthalate	117-81-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Butyl benzyl phthalate	85-68-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Chrysene	218-01-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Cresols, Total	1319-77-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Dibenz (a,h) anthracene	53-70-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Dibenz (a,j) acridine	224-42-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Dibenzofuran	132-64-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Diethyl phthalate	84-66-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Dimethyl phthalate	131-11-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Di-n-butyl phthalate	84-74-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Di-n-octyl phthalate	117-84-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Diphenylamine	122-39-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Ethyl methanesulfonate	62-50-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Fluoranthene	206-44-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Fluorene	86-73-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Hexachlorobenzene	118-74-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Hexachlorobutadiene	87-68-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Hexachlorocyclopentadiene	77-47-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Hexachloroethane	67-72-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Indeno (1,2,3-cd) pyrene	193-39-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Isophorone	78-59-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Methyl methanesulfonate	66-27-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Naphthalene	91-20-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
Nitrobenzene	98-95-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg
N-Nitrosodimethylamine	62-75-9	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58	BLOD		610	610	1	ug/kg

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Certificate of Analysis

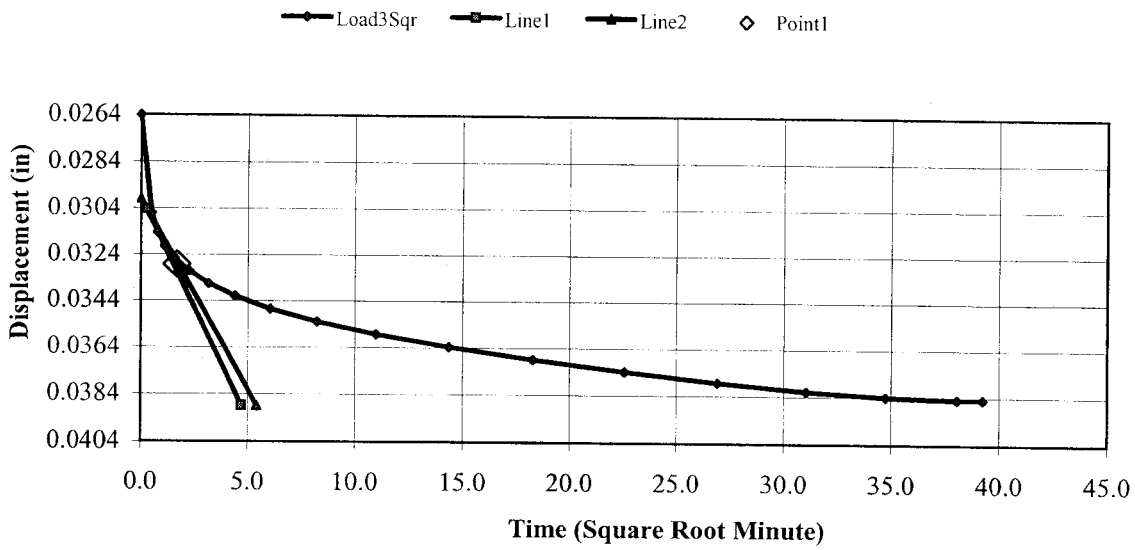
Client Name: Froehling & Robertson, Inc.
Client Site ID: Pigg River
Submitted To: Gregory Whitt

Date Issued: 9/11/2007

Parameter	CAS	Reference Method	Client Sample ID	Laboratory Sample ID	Sample Date	Analysis Date/Time	Sample Results	Qual	LOD	LOQ	Dil. Factor	Units
N-Nitrosodi-N-butylamine	924-16-3	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
N-Nitrosodi-N-propylamine	621-64-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
N-Nitrosodiphenylamine	86-30-6	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
N-Nitrosopiperidine	100-75-4	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
o-Cresol	95-48-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
p-Cresol	106-44-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
p-Dimethylaminoazobenzene	60-11-7	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pentachlorobenzene	608-93-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pentachloronitrobenzene	82-68-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pentachlorophenol	87-86-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Phenacetin	62-44-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Phenanthrene	85-01-8	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Phenol	108-95-2	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pronamide	23950-58-5	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pyrene	129-00-0	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
Pyridine	110-86-1	SW8270C	DP7-S1A	07080253-004	8/16/2007	08/21/07 18:58		BLOD	610	610	1	ug/kg
% Ash	NA	SM2540E	DP7-S1A	07080253-004	8/16/2007	08/28/07 11:00	99		0.1	0.1	1	%
Percent Moisture	NA	SM2540G	DP7-S1A	07080253-004	8/16/2007	08/27/07 16:00	17.8		0.1	0.1	1	%
Ammonia	7664-41-7	SM4500-NH3 F	DP7-S1A	07080253-004	8/16/2007	08/20/07 11:00		BLOD	12	12	1	mg/kg
Nitrate	14797-55-8	EPA300.0	DP7-S1A	07080253-004	8/16/2007	08/24/07 11:50		BLOD	12	12	10	mg/kg
Organic Matter, %		SM2540G	DP7-S1A	07080253-004	8/16/2007	08/28/07 11:00	0.8		0.1	0.1	1	%
pH	NA	SW9045C	DP7-S1A	07080253-004	8/16/2007	08/22/07 10:55	6.9		0.0	0.0	1	SU
Sulfide	18496-25-8	SW9030B	DP7-S1A	07080253-004	8/16/2007	08/21/07 14:30		BLOD	61	61	1	mg/kg
TKN		EPA351.2	DP7-S1A	07080253-004	8/16/2007	08/21/07 10:54	123		30.4	30.4	1	mg/kg
Extractable Organic Halides (EOX)		SW9023	DP7-S1A	07080253-004	8/16/2007	08/20/07 12:30		BLOD	12.2	12.2	1	mg/kg
Strontium		SW6010B	DP7-S1A	07080253-004	8/16/2007	08/24/07 10:41		BLOD	3.04	3.04	1	mg/kg
Total Organic Carbon (TOC)	NA	SM5310C	DP7-S1A	07080253-004	8/16/2007	08/23/07 18:37	19000		240	240	10	mg/kg

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP2 - S1B

Project Number: J62-110E

Test Date: 08/17/2007
Test Number: 02

Sample Number: 02
Date Sampled: 8/7/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

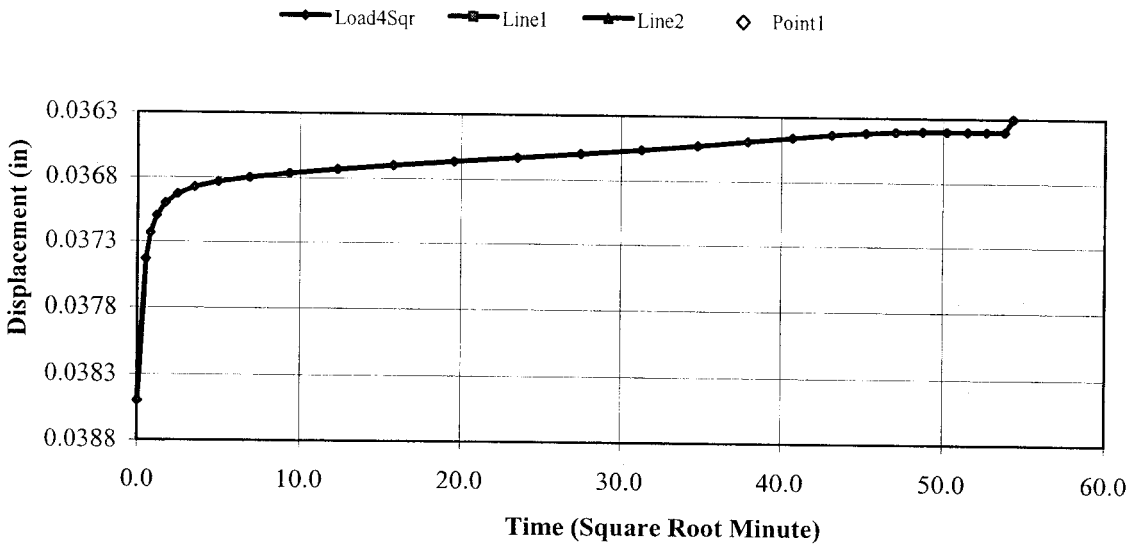
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0385	0.0370	3.7000	1.2185
1	00:00:06	0.0374	0.0365	3.6500	1.2196
2	00:00:15	0.0373	0.0364	3.6400	1.2199
3	00:00:30	0.0372	0.0363	3.6300	1.2201
4	00:01:00	0.0370	0.0361	3.6100	1.2206
5	00:02:00	0.0369	0.0360	3.6000	1.2208
6	00:04:01	0.0369	0.0360	3.6000	1.2208
7	00:08:02	0.0368	0.0359	3.5900	1.2210
8	00:16:05	0.0368	0.0359	3.5900	1.2210
9	00:32:09	0.0368	0.0359	3.5900	1.2210
10	01:04:19	0.0368	0.0359	3.5900	1.2210
11	02:08:38	0.0367	0.0358	3.5800	1.2212
12	04:01:12	0.0367	0.0358	3.5800	1.2212
13	08:02:25	0.0366	0.0357	3.5700	1.2215
14	12:03:37	0.0366	0.0357	3.5700	1.2215
15	16:04:50	0.0366	0.0357	3.5700	1.2215
16	20:06:02	0.0366	0.0357	3.5700	1.2215
17	24:07:15	0.0365	0.0356	3.5600	1.2217
18	28:08:27	0.0364	0.0355	3.5500	1.2219
19	32:09:40	0.0364	0.0355	3.5500	1.2219
20	34:10:16	0.0364	0.0355	3.5500	1.2219
21	36:10:52	0.0364	0.0355	3.5500	1.2219
22	40:12:05	0.0364	0.0355	3.5500	1.2219
23	42:12:41	0.0364	0.0355	3.5500	1.2219
24	44:13:17	0.0364	0.0355	3.5500	1.2219
25	46:13:53	0.0364	0.0355	3.5500	1.2219
26	48:14:30	0.0364	0.0355	3.5500	1.2219
27	49:12:40	0.0363	0.0354	3.5400	1.2222

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 03
Location: DP3 - S1B
Date Sampled: 8/8/2007

Moisture Content	
Tare Number	**G-17**
wt. tare & wet sample (gm)	103.21
wt. tare & dry sample (gm)	73.83
wt. of Water (gm)	29.38
wt. of tare (gm)	32.18
wt. of dry sample (gm)	41.65
Water content (%)	**70.5**

Sample Dimensions (In.)	
Diameter 1	3.026
Diameter 2	3.042
Diameter 3	3.028
Avg. Diam.	**3.032**
Length 1	3.050
Length 2	3.060
Length 3	2.963
Avg. Length	**3.024**

Sample Weight	
Wt. Tube + Soil (g)	637.03
Wt. of Tube (g)	110.18
Soil wt. (g)	526.85
Soil wt. (lbs.)	**1.161**
Volume (cu feet.)	**0.0126**

Porosity	0.670
Specific Gravity	2.6142
Void Ratio	2.027

Bulk Wet Density **91.9** **(pcf)**

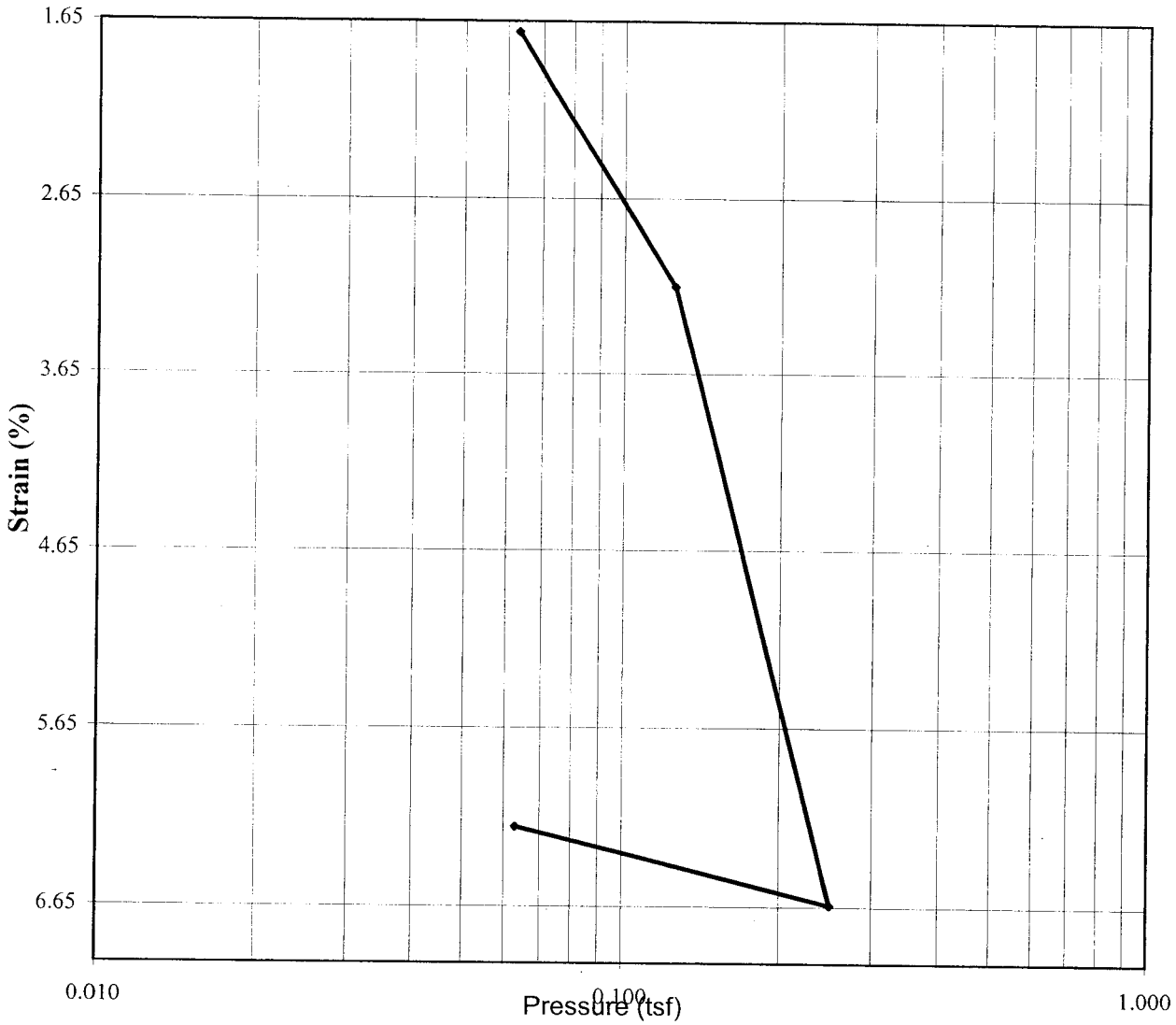
Bulk Dry Density **53.9** **(pcf)**

Visual Description: *Dark Brown Sand (Organics)*

Performed By: Dave Jenks

Date: 8/30/2007

Consolidation Test
Test Results



	Before	After				
Moisture (%):	70.5	73.3	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	50.0	53.2	**Plastic Limits:**	0		
Saturation (%):	81.4	92.8	**Plasticity Index:**	0		
Void Ratio:	2.2573	2.0551	**Specific Gravity:**	2.614	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 03 **Date Sample:** 8/8/2007

Project: Pigg River Sediment

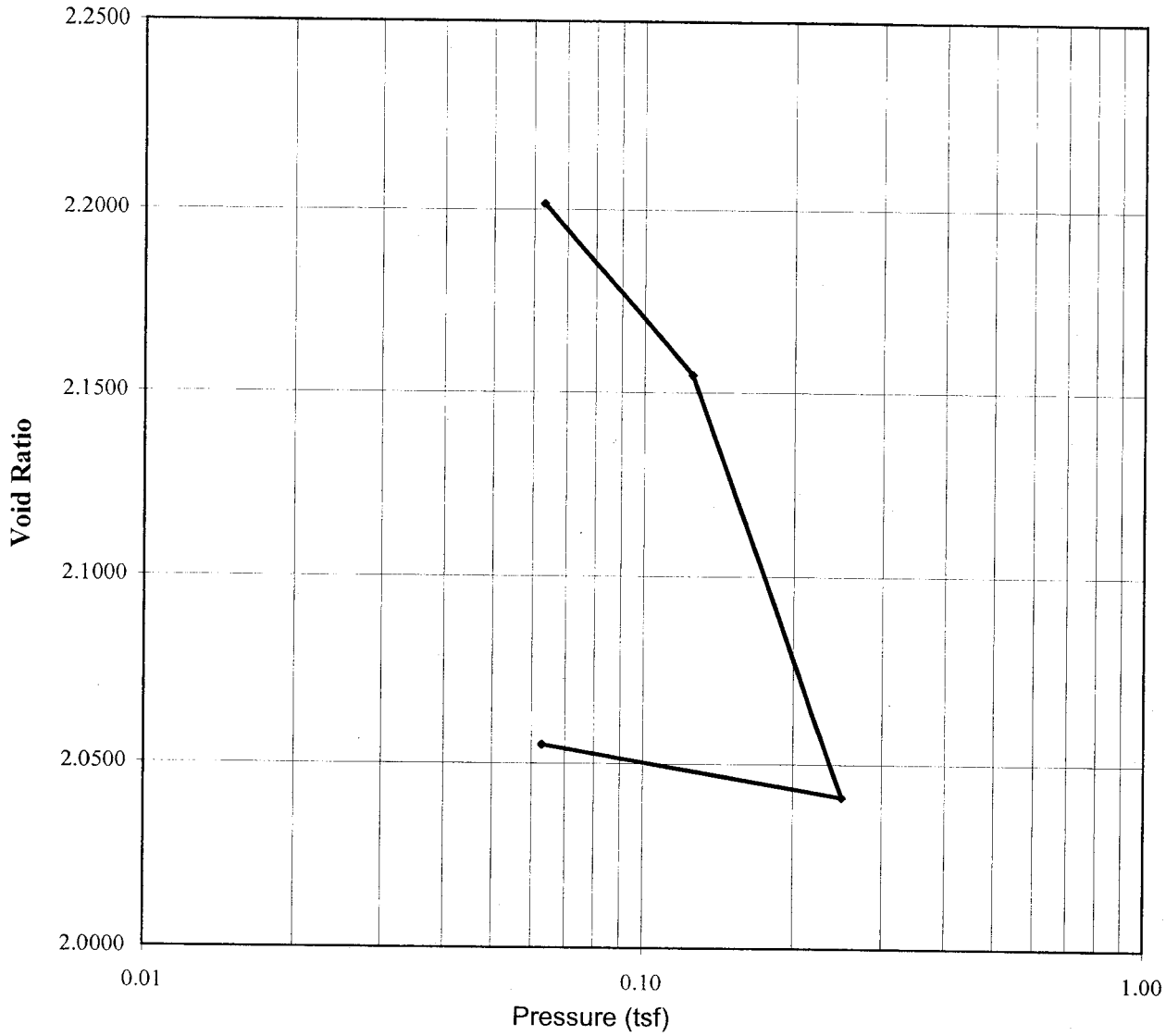
Client: FishAmerica

Location: DP3 - S1B

Remarks:

J62-110E (Pigg River - 03).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	70.5	73.3	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	50.0	53.2	**Plastic Limits:**	0		
Saturation (%):	81.4	92.8	**Plasticity Index:**	0		
Void Ratio:	2.2573	2.0551	**Specific Gravity:**	2.614	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 03 **Date Sample:** 8/8/2007

Project: Pigg River Sediment

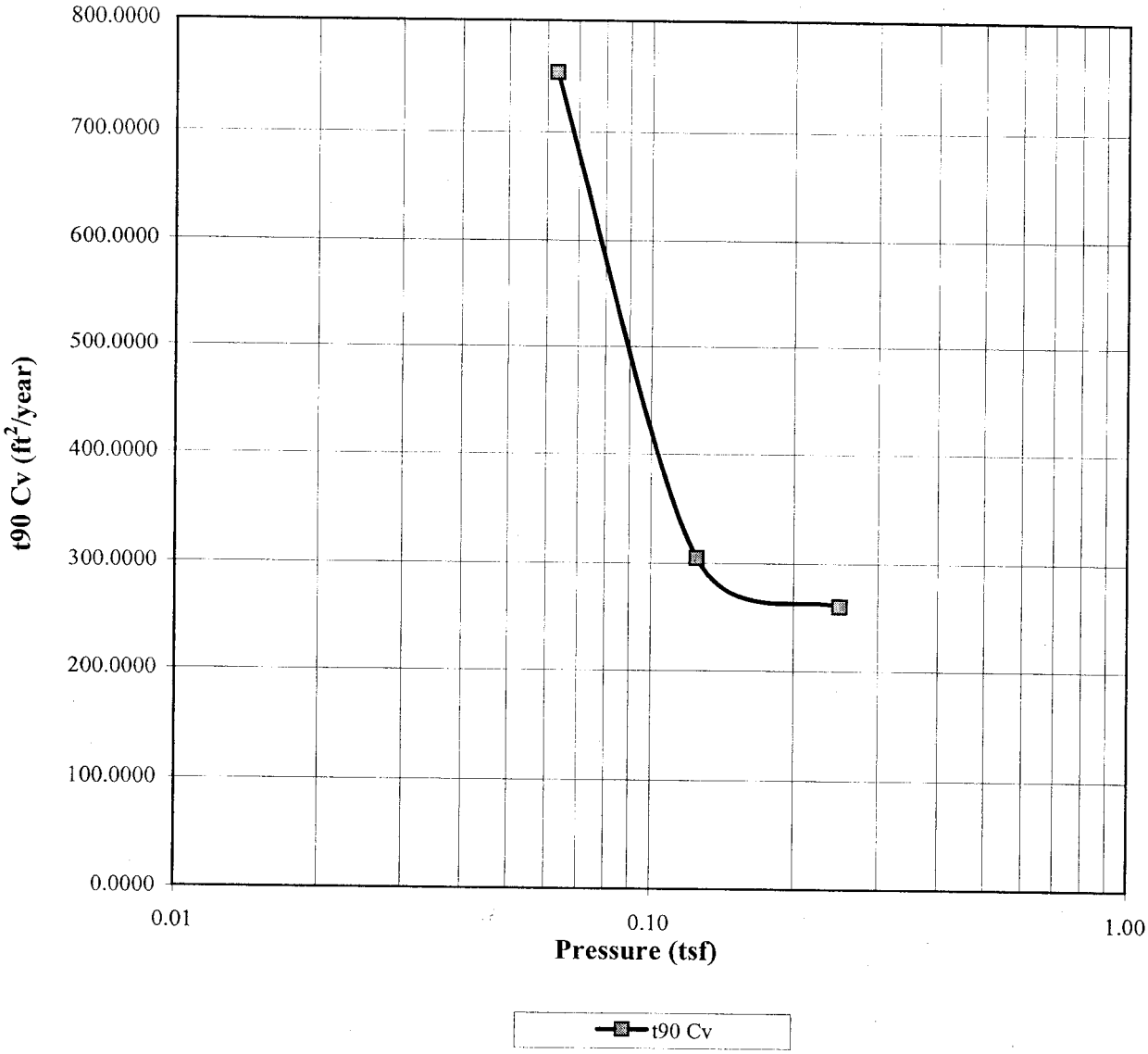
Client: FishAmerica

Location: DP3 - S1B

Remarks:

J62-110E (Pigg River - 03).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	70.5	73.3	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	50.0	53.2	**Plastic Limits:**	0		
Saturation (%):	81.4	92.8	**Plasticity Index:**	0		
Void Ratio:	2.2573	2.0551	**Specific Gravity:**	2.614	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 03 **Date Sample:** 8/8/2007

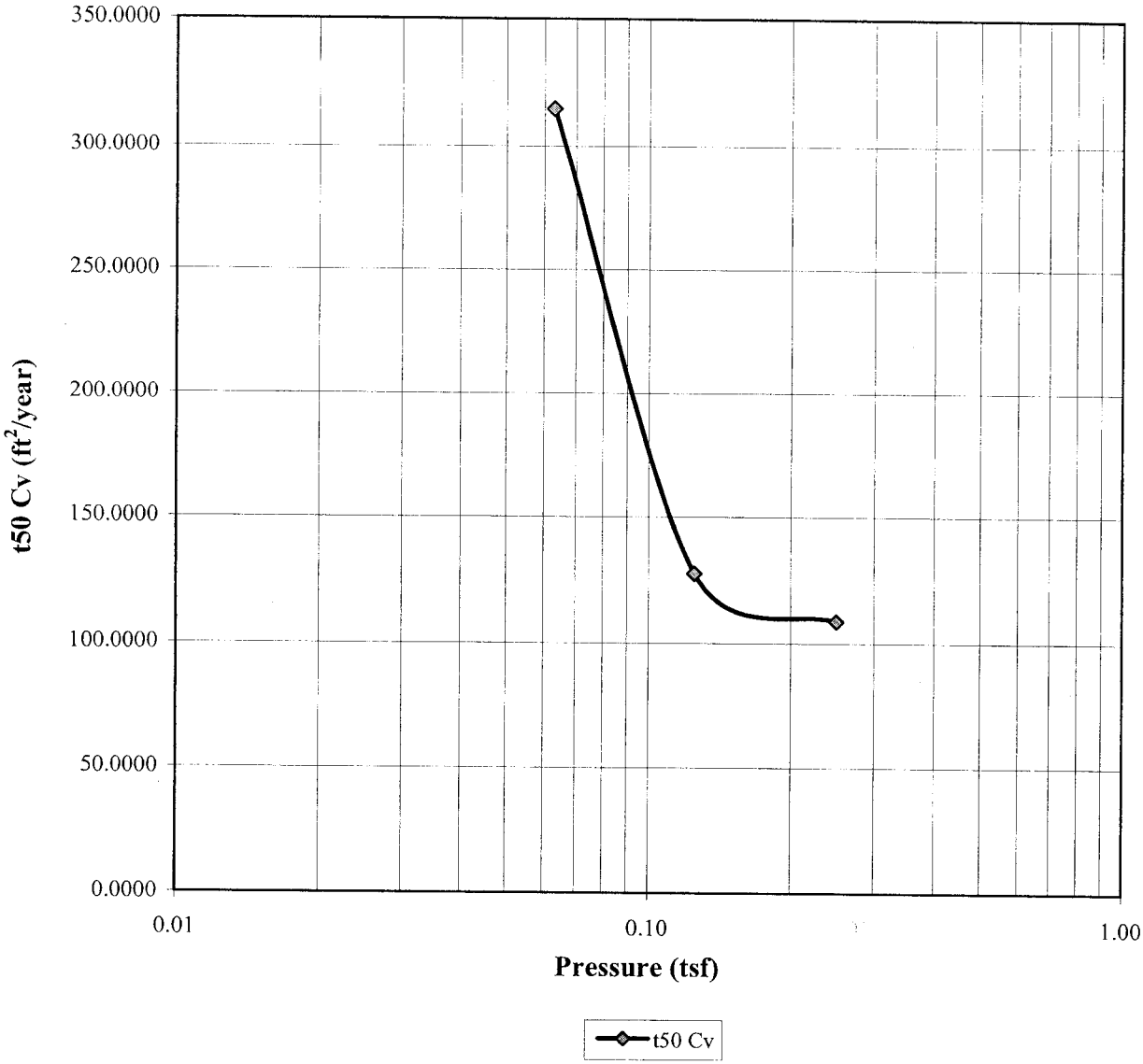
Project: Pigg River Sediment

Client: FishAmerica

Location: DP3 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	70.5	73.3	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	50.0	53.2	**Plastic Limits:**	0		
Saturation (%):	81.4	92.8	**Plasticity Index:**	0		
Void Ratio:	2.2573	2.0551	**Specific Gravity:**	2.614	Measured	

Soil Description: Dark Brown Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 03 **Date Sample:** 8/8/2007

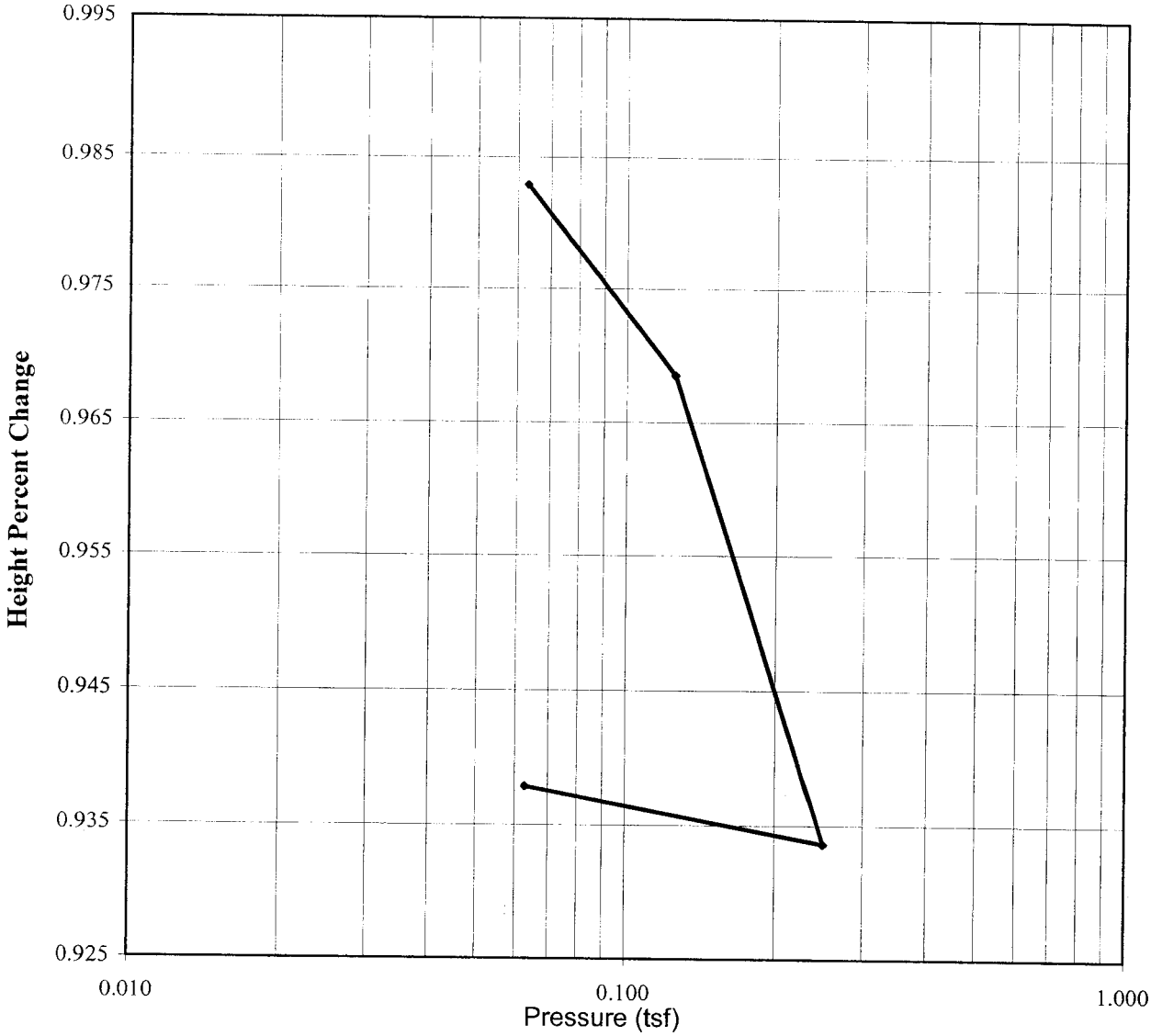
Project: Pigg River Sediment

Client: FishAmerica

Location: DP3 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	70.5	73.3	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	50.0	53.2	**Plastic Limits:**	0		
Saturation (%):	81.4	92.8	**Plasticity Index:**	0		
Void Ratio:	2.2573	2.0551	**Specific Gravity:**	2.614	Measured	

Soil Description:	Dark Brown Sand (Organics)			
Project Number:	J62-110E	**Depth:**	NA	**Remarks:**
Sample Number:	03	**Date Sample:**	8/8/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP3 - S1B			

J62-110E (Pigg River - 03).HSD

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Specific Gravity: 2.614 Measured
Soil Description:
Dark Brown Sand (Organics)

Test Number: 03
Test Date: 08/30/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.6930	0.00	2.2573	0.000		0.000	
1	0.063	0.0171	0.9829	0.6759	1.71	2.2016	1.009		753.510	
2	0.125	0.0315	0.9685	0.6615	3.15	2.1547	2.415		304.979	
3	0.250	0.0664	0.9336	0.6266	6.64	2.0411	2.691		260.065	
4	0.063	0.0621	0.9379	0.6309	6.21	2.0551	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E
Test Date: 08/30/2007

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

Test Number: 03
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.6140 Measured

Initial Void Ratio: 2.2573
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	103.21	171.58
Dry Soil + Container (g)	73.83	124.42
Weight of Container (g)	32.18	60.08
Moisture Content (%)	70.5	73.3
Void Ratio	2.2573	2.0551
Saturation (%)	81.4	92.8
Dry Density (pcf)	50.0	53.2

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E

Test Date: 08/30/2007
Test Number: 03

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

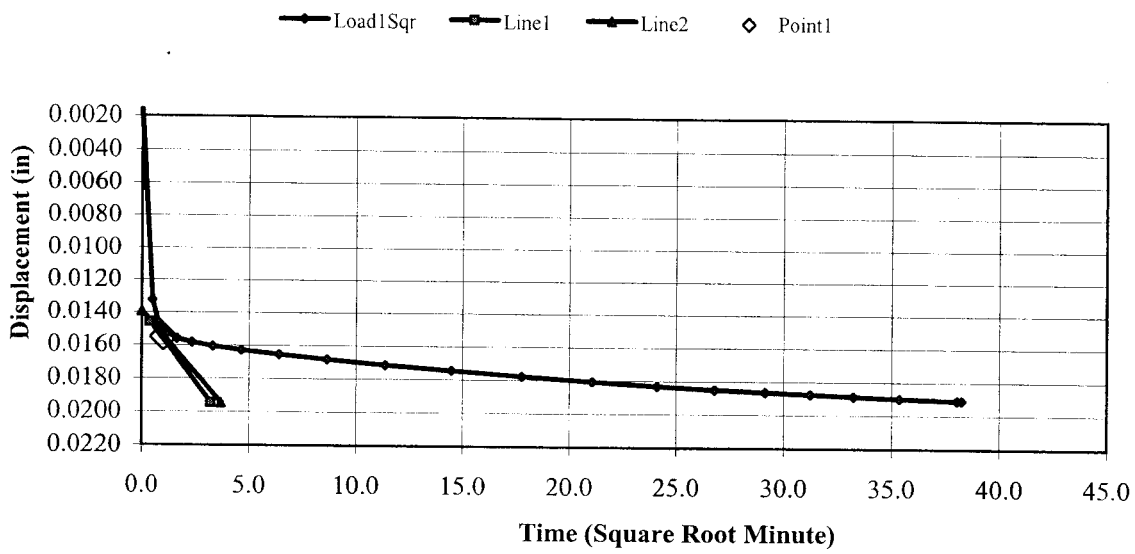
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0016	0.0000	0.0000	2.2573
1	00:00:06	0.0146	0.0126	1.2600	2.2163
2	00:00:15	0.0152	0.0132	1.3200	2.2143
3	00:00:30	0.0152	0.0132	1.3200	2.2143
4	00:01:00	0.0155	0.0135	1.3500	2.2134
5	00:02:00	0.0158	0.0138	1.3800	2.2124
6	00:04:01	0.0159	0.0139	1.3900	2.2121
7	00:08:01	0.0160	0.0140	1.4000	2.2117
8	00:16:03	0.0163	0.0143	1.4300	2.2108
9	00:32:06	0.0166	0.0146	1.4600	2.2098
10	01:04:12	0.0168	0.0148	1.4800	2.2091
11	02:08:30	0.0173	0.0153	1.5300	2.2075
12	04:17:09	0.0177	0.0157	1.5700	2.2062
13	08:02:16	0.0182	0.0162	1.6200	2.2046
14	10:02:52	0.0184	0.0164	1.6400	2.2039
15	12:03:29	0.0186	0.0166	1.6600	2.2033
16	14:04:05	0.0187	0.0167	1.6700	2.2029
17	16:04:41	0.0187	0.0167	1.6700	2.2029
18	18:05:17	0.0188	0.0168	1.6800	2.2026
19	20:05:53	0.0190	0.0170	1.7000	2.2020
20	24:07:06	0.0191	0.0171	1.7100	2.2016
21	24:23:52	0.0191	0.0171	1.7100	2.2016

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E

Test Date: 08/30/2007
Test Number: 03

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

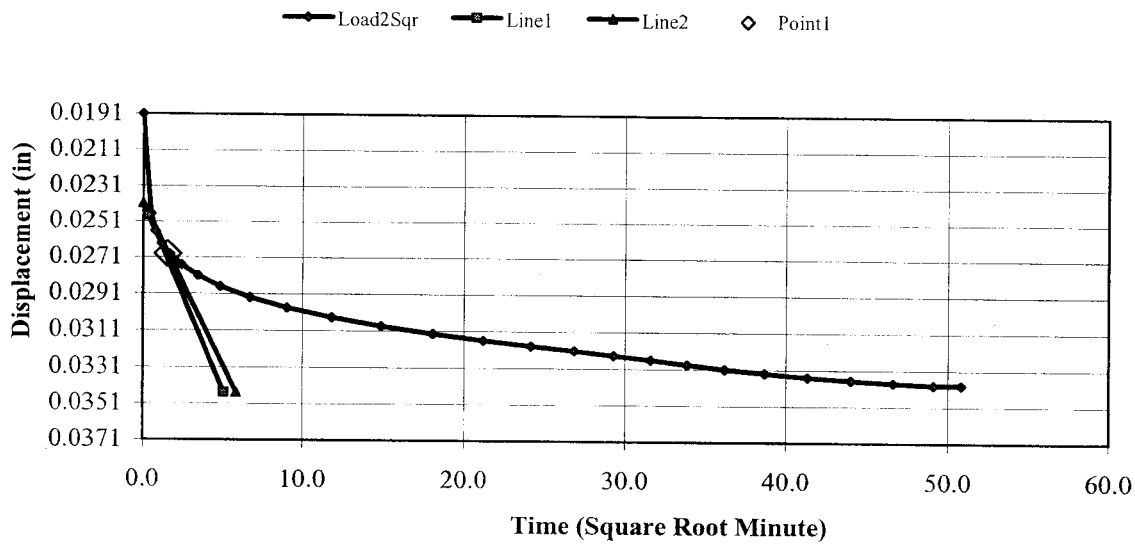
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0191	0.0171	1.7100	2.2016
1	00:00:06	0.0248	0.0224	2.2400	2.1844
2	00:00:15	0.0255	0.0231	2.3100	2.1821
3	00:00:30	0.0259	0.0235	2.3500	2.1808
4	00:01:01	0.0264	0.0240	2.4000	2.1792
5	00:02:01	0.0271	0.0247	2.4700	2.1769
6	00:04:01	0.0275	0.0251	2.5100	2.1756
7	00:08:03	0.0281	0.0257	2.5700	2.1736
8	00:16:05	0.0289	0.0265	2.6500	2.1710
9	00:32:10	0.0299	0.0275	2.7500	2.1678
10	01:04:20	0.0303	0.0279	2.7900	2.1665
11	02:08:39	0.0306	0.0282	2.8200	2.1655
12	04:17:18	0.0312	0.0288	2.8800	2.1635
13	08:02:25	0.0319	0.0295	2.9500	2.1612
14	10:03:01	0.0320	0.0296	2.9600	2.1609
15	12:03:38	0.0321	0.0297	2.9700	2.1606
16	14:04:14	0.0322	0.0298	2.9800	2.1603
17	16:04:50	0.0322	0.0298	2.9800	2.1603
18	18:05:26	0.0330	0.0306	3.0600	2.1577
19	20:06:03	0.0331	0.0307	3.0700	2.1573
20	24:07:15	0.0333	0.0309	3.0900	2.1567
21	28:08:27	0.0335	0.0311	3.1100	2.1560
22	32:09:40	0.0337	0.0313	3.1300	2.1554
23	36:10:51	0.0338	0.0314	3.1400	2.1551
24	40:12:04	0.0339	0.0315	3.1500	2.1547
25	43:05:20	0.0339	0.0315	3.1500	2.1547

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E
Test Date: 08/30/2007
Test Number: 03

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

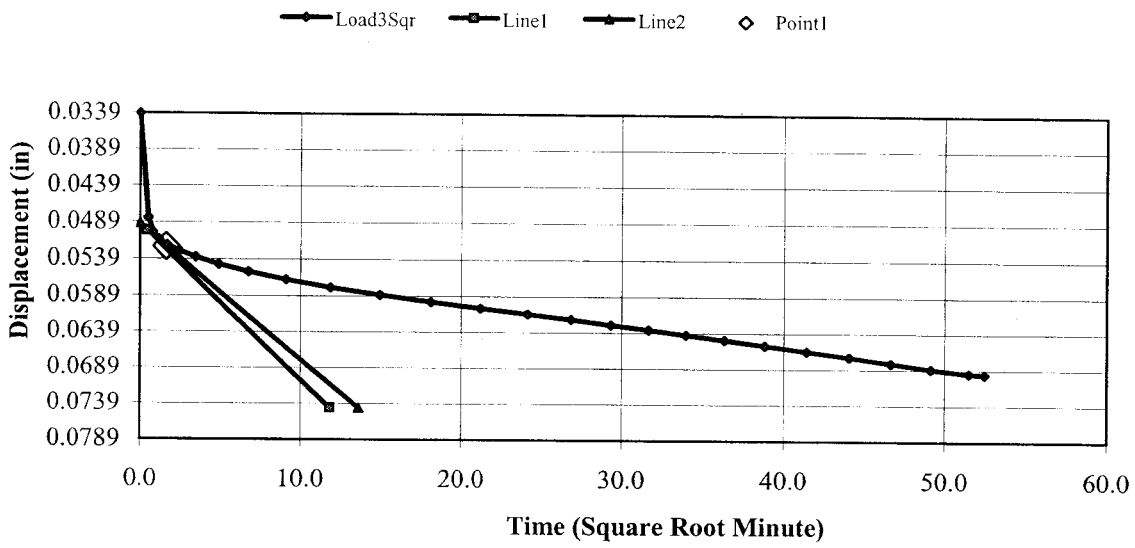
Soil Description: Dark Brown Sand (Organics)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0339	0.0315	3.1500	2.1547
1	00:00:06	0.0500	0.0469	4.6900	2.1046
2	00:00:15	0.0505	0.0474	4.7400	2.1029
3	00:00:31	0.0510	0.0479	4.7900	2.1013
4	00:01:01	0.0513	0.0482	4.8200	2.1003
5	00:02:01	0.0521	0.0490	4.9000	2.0977
6	00:04:02	0.0527	0.0496	4.9600	2.0958
7	00:08:03	0.0535	0.0504	5.0400	2.0932
8	00:16:05	0.0543	0.0512	5.1200	2.0906
9	00:32:10	0.0554	0.0523	5.2300	2.0870
10	01:04:20	0.0578	0.0547	5.4700	2.0792
11	02:08:39	0.0588	0.0557	5.5700	2.0759
12	04:17:18	0.0594	0.0563	5.6300	2.0740
13	08:02:26	0.0603	0.0572	5.7200	2.0710
14	10:03:02	0.0613	0.0582	5.8200	2.0678
15	12:03:38	0.0618	0.0587	5.8700	2.0661
16	14:04:14	0.0627	0.0596	5.9600	2.0632
17	16:04:51	0.0635	0.0604	6.0400	2.0606
18	18:05:27	0.0640	0.0609	6.0900	2.0590
19	20:06:03	0.0643	0.0612	6.1200	2.0580
20	24:07:16	0.0653	0.0622	6.2200	2.0547
21	28:08:28	0.0663	0.0632	6.3200	2.0515
22	32:09:41	0.0670	0.0639	6.3900	2.0492
23	36:10:53	0.0680	0.0649	6.4900	2.0459
24	40:12:05	0.0689	0.0658	6.5800	2.0430
25	44:13:18	0.0694	0.0663	6.6300	2.0414
26	45:53:14	0.0695	0.0664	6.6400	2.0411

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP3 - S1B

Project Number: J62-110E
Test Date: 08/30/2007
Test Number: 03

Sample Number: 03
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Sand (Organics)

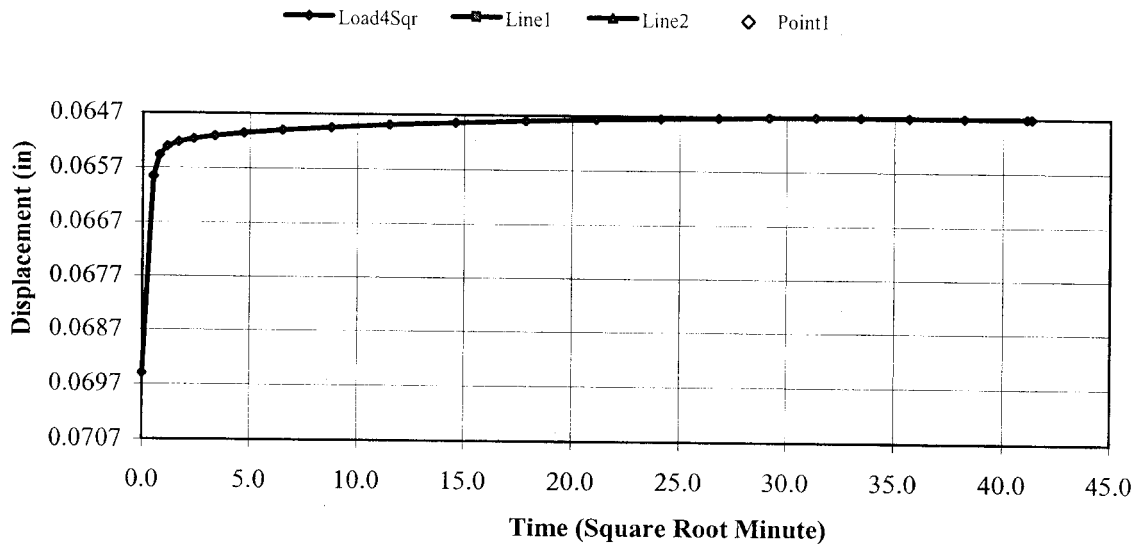
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0695	0.0664	6.6400	2.0411
1	00:00:06	0.0653	0.0627	6.2700	2.0531
2	00:00:15	0.0653	0.0627	6.2700	2.0531
3	00:00:30	0.0653	0.0627	6.2700	2.0531
4	00:01:00	0.0652	0.0626	6.2600	2.0534
5	00:02:01	0.0652	0.0626	6.2600	2.0534
6	00:04:01	0.0652	0.0626	6.2600	2.0534
7	00:08:02	0.0651	0.0625	6.2500	2.0538
8	00:16:05	0.0650	0.0624	6.2400	2.0541
9	00:32:10	0.0650	0.0624	6.2400	2.0541
10	01:04:19	0.0649	0.0623	6.2300	2.0544
11	02:08:39	0.0648	0.0622	6.2200	2.0547
12	04:17:17	0.0648	0.0622	6.2200	2.0547
13	08:02:25	0.0648	0.0622	6.2200	2.0547
14	10:03:01	0.0647	0.0621	6.2100	2.0551
15	12:03:37	0.0647	0.0621	6.2100	2.0551
16	14:04:14	0.0647	0.0621	6.2100	2.0551
17	16:04:50	0.0647	0.0621	6.2100	2.0551
18	18:05:26	0.0647	0.0621	6.2100	2.0551
19	20:06:02	0.0647	0.0621	6.2100	2.0551
20	24:07:15	0.0647	0.0621	6.2100	2.0551
21	28:08:27	0.0647	0.0621	6.2100	2.0551
22	28:27:36	0.0647	0.0621	6.2100	2.0551

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 04
Location: DP4 - S1B
Date Sampled: 8/8/2007

Moisture Content	
Tare Number	E-32
wt. tare & wet sample (gm)	142.59
wt. tare & dry sample (gm)	113.46
wt. of Water (gm)	29.13
wt. of tare (gm)	31.35
wt. of dry sample (gm)	82.11
Water content (%)	**35.5**

Sample Dimensions (In.)	
Diameter 1	3.044
Diameter 2	3.042
Diameter 3	3.054
Avg. Diam.	**3.047**
Length 1	3.365
Length 2	3.524
Length 3	3.349
Avg. Length	**3.413**

Sample Weight	
Wt. Tube + Soil (g)	676.40
Wt. of Tube (g)	125.32
Soil wt. (g)	551.08
Soil wt. (lbs.)	**1.215**
Volume (cu feet.)	**0.0144**

Porosity	0.618
Specific Gravity	2.613
Void Ratio	1.618

Bulk Wet Density **84.4** **(pcf)**

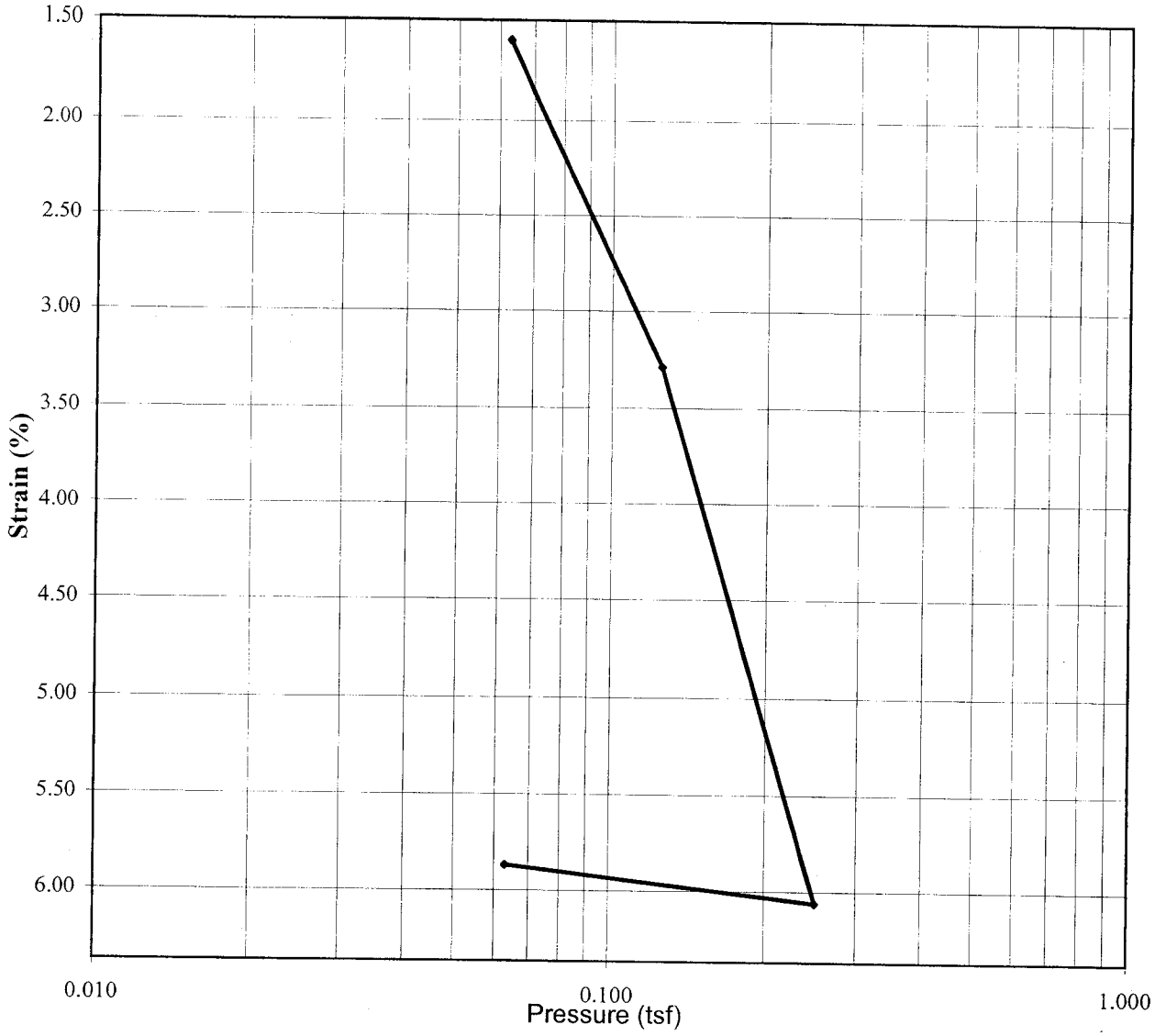
Bulk Dry Density **62.3** **(pcf)**

Visual Description: *Dark Brown Sand (Organics)*

Performed By: Dave Jenks

Date: 8/30/2007

Consolidation Test
Test Results



	Before	After				
Moisture (%):	28.0	40.0	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	78.3	76.8	**Plastic Limits:**	0		
Saturation (%):	67.4	93.0	**Plasticity Index:**	0		
Void Ratio:	1.0796	0.9575	**Specific Gravity:**	2.613	Measured	

Soil Description: Dark Brown, Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 04 **Date Sampled:** 8/8/2007

Project: Pigg River Sediment

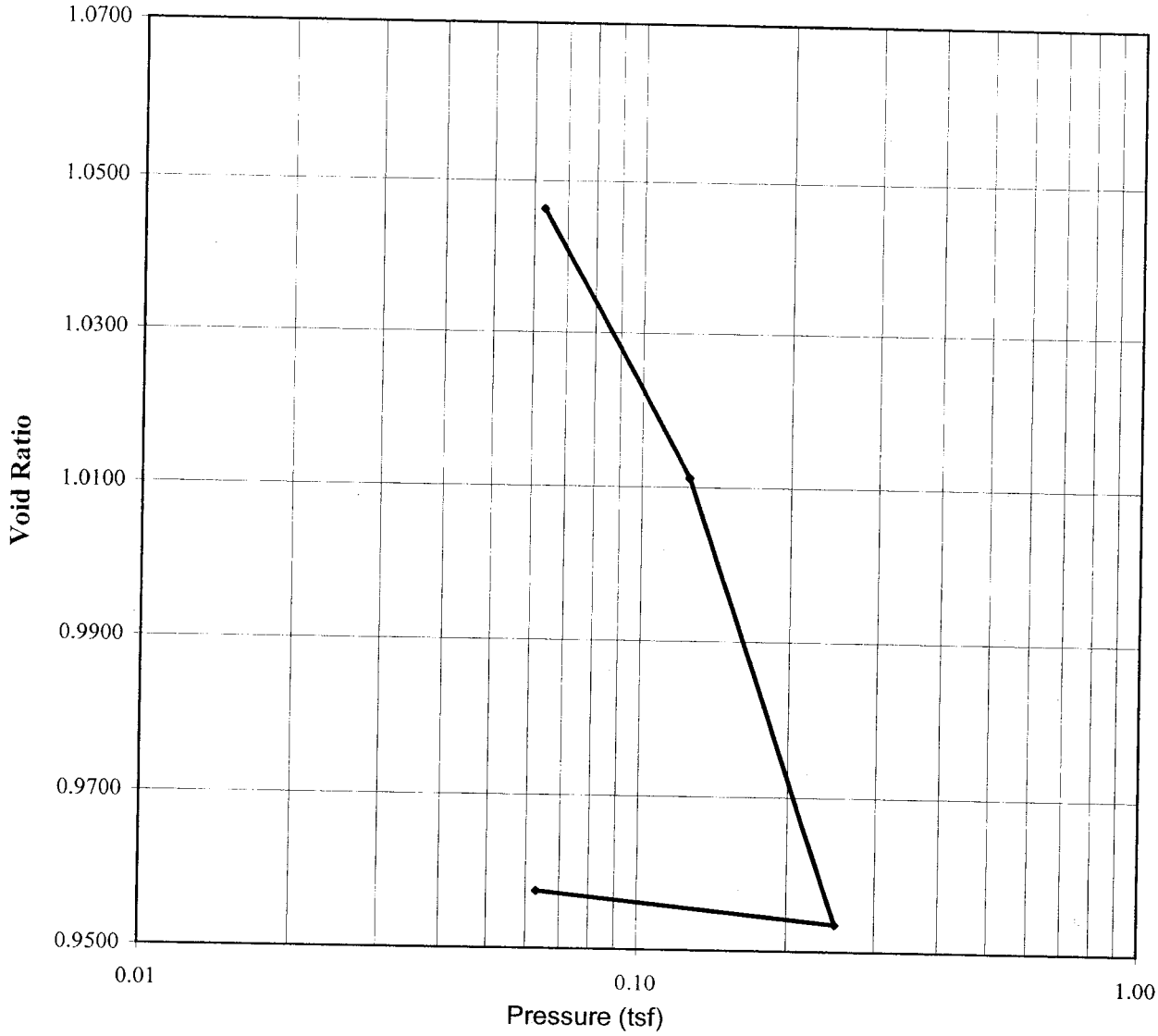
Client: FishAmerica

Location: DP4 - S1B

Remarks:

J62-110E (Pigg River - 04).HSD

Consolidation Test
Test Results



	Before	After			
Moisture (%):	28.0	40.0	**Liquid Limits:**	0	**Test Date:** 08/30/2007
Dry Density (pcf):	78.3	76.8	**Plastic Limits:**	0	
Saturation (%):	67.4	93.0	**Plasticity Index:**	0	
Void Ratio:	1.0796	0.9575	**Specific Gravity:**	2.613	Measured

Soil Description: Dark Brown, Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 04 **Date Sampled:** 8/8/2007

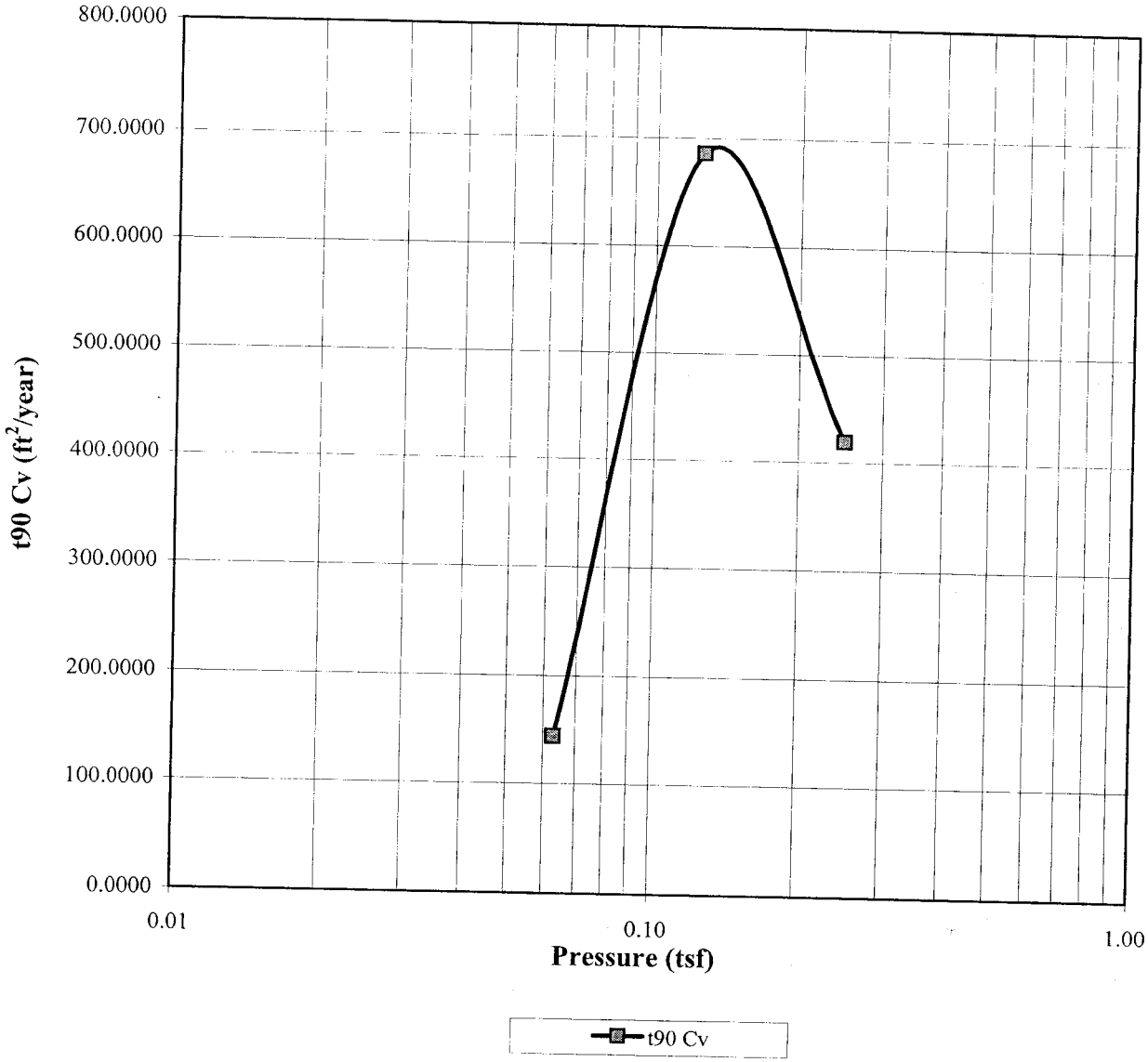
Project: Pigg River Sediment

Client: FishAmerica

Location: DP4 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	28.0	40.0	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	78.3	76.8	**Plastic Limits:**	0		
Saturation (%):	67.4	93.0	**Plasticity Index:**	0		
Void Ratio:	1.0796	0.9575	**Specific Gravity:**	2.613	Measured	

Soil Description: Dark Brown, Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 04 **Date Sampled:** 8/8/2007

Project: Pigg River Sediment

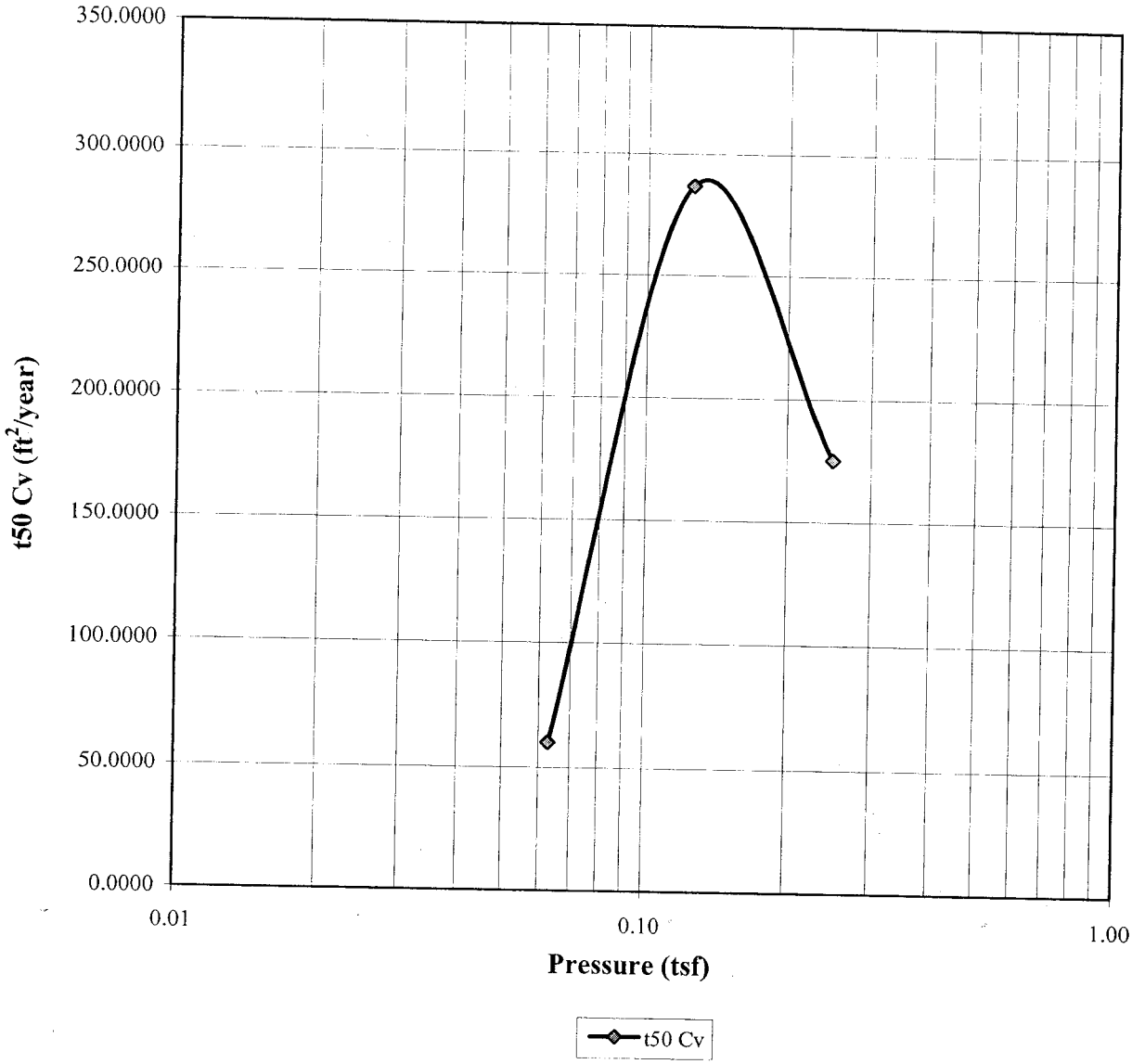
Client: FishAmerica

Location: DP4 - S1B

Remarks:

J62-110E (Pigg River - 04).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	28.0	40.0	**Liquid Limits:**	0	**Test Date:**	08/30/2007
Dry Density (pcf):	78.3	76.8	**Plastic Limits:**	0		
Saturation (%):	67.4	93.0	**Plasticity Index:**	0		
Void Ratio:	1.0796	0.9575	**Specific Gravity:**	2.613	Measured	

Soil Description: Dark Brown, Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 04 **Date Sampled:** 8/8/2007

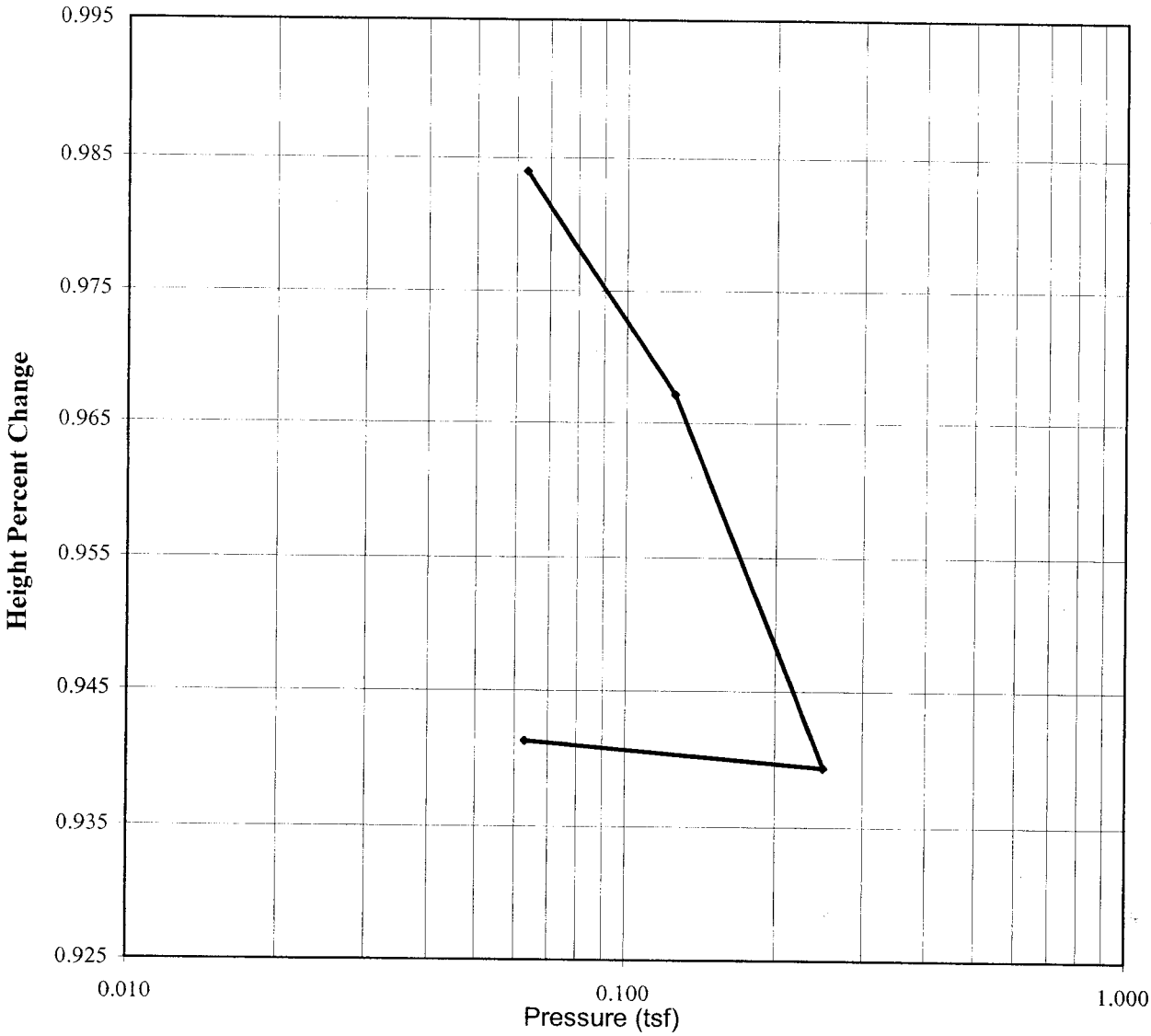
Project: Pigg River Sediment

Client: FishAmerica

Location: DP4 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
			Liquid Limits:	0.	**Test Date:**	08/30/2007
Moisture (%):	28.0	40.0	**Plastic Limits:**	0		
Dry Density (pcf):	78.3	76.8	**Plasticity Index:**	0		
Saturation (%):	67.4	93.0				
Void Ratio:	1.0796	0.9575	**Specific Gravity:**	2.613	Measured	

Soil Description: Dark Brown, Sand (Organics)

Project Number: J62-110E **Depth:** NA

Sample Number: 04 **Date Sampled:** 8/8/2007

Project: Pigg River Sediment

Client: FishAmerica

Location: DP4 - S1B

Remarks:

J62-110E (Pigg River - 04).HSD

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Specific Gravity: 2.613 Measured
Soil Description:
Dark Brown, Sand (Organics)

Test Number: 04
Test Date: 08/30/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.5191	0.00	1.0796	0.000		0.000	
1	0.063	0.0160	0.9840	0.5031	1.60	1.0463	5.285		144.073	
2	0.125	0.0329	0.9671	0.4862	3.29	1.0112	1.074		685.992	
3	0.250	0.0606	0.9394	0.4585	6.06	0.9536	1.677		419.192	
4	0.063	0.0587	0.9413	0.4604	5.87	0.9575	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E

Test Date: 08/30/2007

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown, Sand (Organics)

Test Number: 04
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.613 Measured

Initial Void Ratio: 1.0796
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	66.68	190.58
Dry Soil + Container (g)	55.80	153.34
Weight of Container (g)	16.87	60.14
Moisture Content (%)	28.0	40.0
Void Ratio	1.0796	0.9575
Saturation (%)	67.4	93.0
Dry Density (pcf)	78.3	76.8

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E

Test Date: 08/30/2007
Test Number: 04

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown, Sand (Organics)

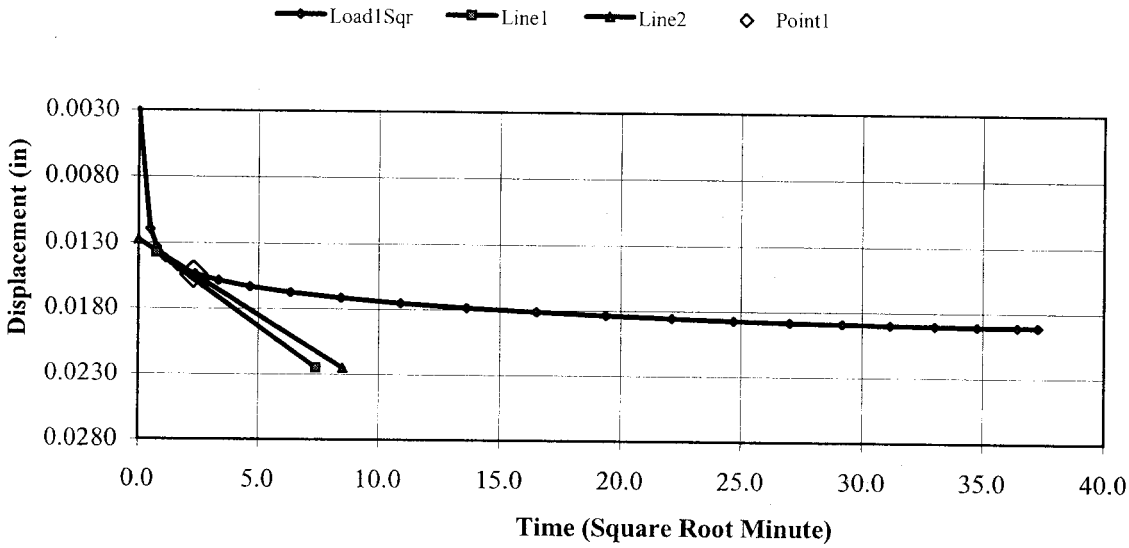
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0029	0.0000	0.0000	1.0796
1	00:00:06	0.0127	0.0096	0.9600	1.0596
2	00:00:15	0.0133	0.0102	1.0200	1.0584
3	00:00:30	0.0136	0.0105	1.0500	1.0578
4	00:01:00	0.0145	0.0114	1.1400	1.0559
5	00:02:01	0.0151	0.0120	1.2000	1.0547
6	00:04:01	0.0157	0.0126	1.2600	1.0534
7	00:08:02	0.0160	0.0129	1.2900	1.0528
8	00:16:05	0.0166	0.0135	1.3500	1.0515
9	00:32:10	0.0168	0.0137	1.3700	1.0511
10	01:04:19	0.0174	0.0143	1.4300	1.0499
11	02:08:39	0.0180	0.0149	1.4900	1.0486
12	04:01:12	0.0182	0.0151	1.5100	1.0482
13	06:01:49	0.0184	0.0153	1.5300	1.0478
14	08:02:25	0.0185	0.0154	1.5400	1.0476
15	10:03:01	0.0188	0.0157	1.5700	1.0470
16	12:03:37	0.0189	0.0158	1.5800	1.0467
17	14:04:13	0.0189	0.0158	1.5800	1.0467
18	16:04:50	0.0190	0.0159	1.5900	1.0465
19	18:05:26	0.0190	0.0159	1.5900	1.0465
20	20:06:02	0.0191	0.0160	1.6000	1.0463
21	22:06:38	0.0191	0.0160	1.6000	1.0463
22	23:09:30	0.0191	0.0160	1.6000	1.0463

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E

Test Date: 08/30/2007
Test Number: 04

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown, Sand (Organics)

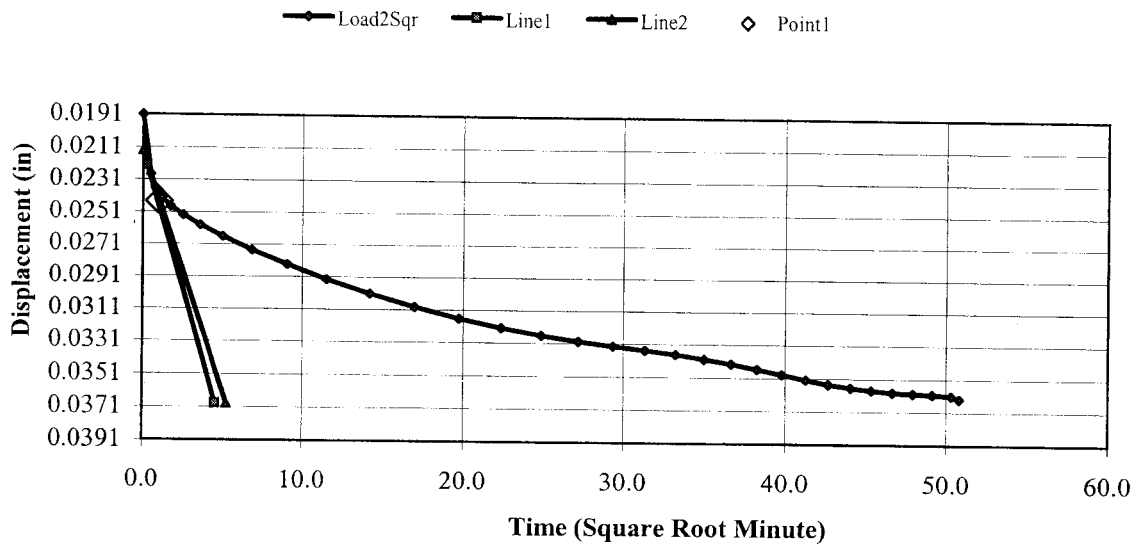
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0191	0.0160	1.6000	1.0463
1	00:00:06	0.0222	0.0188	1.8800	1.0405
2	00:00:15	0.0236	0.0202	2.0200	1.0376
3	00:00:30	0.0239	0.0205	2.0500	1.0370
4	00:01:00	0.0244	0.0210	2.1000	1.0359
5	00:02:01	0.0247	0.0213	2.1300	1.0353
6	00:04:01	0.0253	0.0219	2.1900	1.0341
7	00:08:03	0.0256	0.0222	2.2200	1.0334
8	00:16:05	0.0262	0.0228	2.2800	1.0322
9	00:32:10	0.0271	0.0237	2.3700	1.0303
10	01:04:19	0.0286	0.0252	2.5200	1.0272
11	02:08:39	0.0296	0.0262	2.6200	1.0251
12	04:01:13	0.0315	0.0281	2.8100	1.0212
13	06:01:49	0.0319	0.0285	2.8500	1.0203
14	08:02:25	0.0326	0.0292	2.9200	1.0189
15	10:03:01	0.0328	0.0294	2.9400	1.0185
16	12:03:38	0.0333	0.0299	2.9900	1.0174
17	14:04:14	0.0334	0.0300	3.0000	1.0172
18	16:04:50	0.0334	0.0300	3.0000	1.0172
19	18:05:26	0.0335	0.0301	3.0100	1.0170
20	20:06:02	0.0336	0.0302	3.0200	1.0168
21	22:06:39	0.0336	0.0302	3.0200	1.0168
22	24:07:15	0.0346	0.0312	3.1200	1.0147
23	26:07:51	0.0350	0.0316	3.1600	1.0139
24	28:08:27	0.0352	0.0318	3.1800	1.0135
25	30:09:03	0.0356	0.0322	3.2200	1.0126
26	32:09:39	0.0358	0.0324	3.2400	1.0122
27	34:10:16	0.0359	0.0325	3.2500	1.0120
28	36:10:51	0.0359	0.0325	3.2500	1.0120
29	38:11:27	0.0360	0.0326	3.2600	1.0118
30	40:12:04	0.0360	0.0326	3.2600	1.0118
31	42:12:40	0.0361	0.0327	3.2700	1.0116
32	43:02:09	0.0363	0.0329	3.2900	1.0112

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E

Test Date: 08/30/2007
Test Number: 04

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown, Sand (Organics)

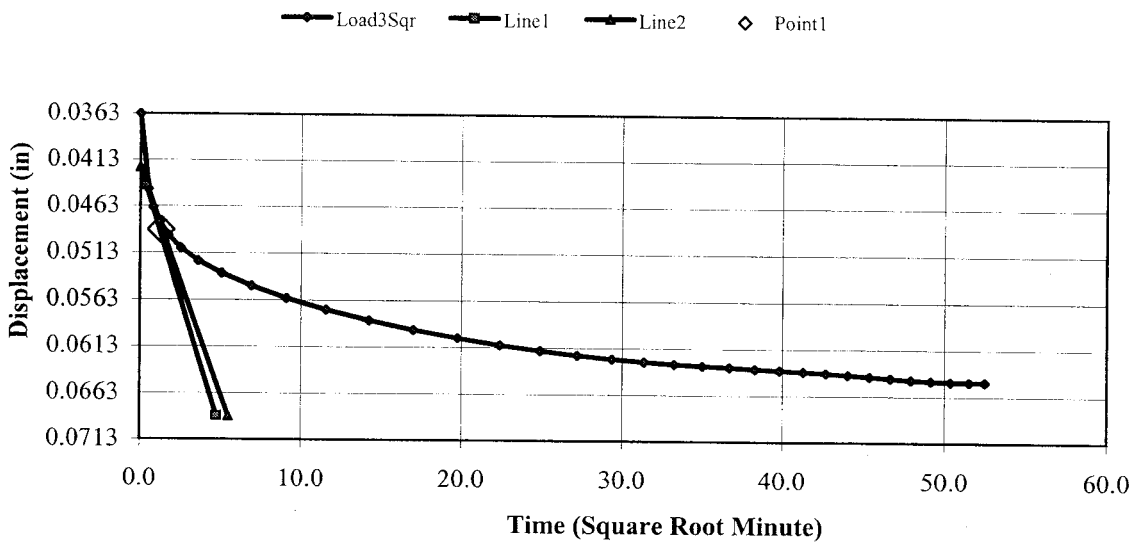
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0363	0.0329	3.2900	1.0112
1	00:00:06	0.0440	0.0399	3.9900	0.9966
2	00:00:15	0.0455	0.0414	4.1400	0.9935
3	00:00:30	0.0466	0.0425	4.2500	0.9912
4	00:01:00	0.0486	0.0445	4.4500	0.9871
5	00:02:01	0.0497	0.0456	4.5600	0.9848
6	00:04:01	0.0509	0.0468	4.6800	0.9823
7	00:08:02	0.0524	0.0483	4.8300	0.9792
8	00:16:05	0.0540	0.0499	4.9900	0.9758
9	00:32:10	0.0551	0.0510	5.1000	0.9735
10	01:04:19	0.0565	0.0524	5.2400	0.9706
11	02:08:39	0.0580	0.0539	5.3900	0.9675
12	04:01:13	0.0598	0.0557	5.5700	0.9638
13	06:01:49	0.0606	0.0565	5.6500	0.9621
14	08:02:25	0.0613	0.0572	5.7200	0.9607
15	10:03:01	0.0620	0.0579	5.7900	0.9592
16	12:03:38	0.0623	0.0582	5.8200	0.9586
17	14:04:14	0.0626	0.0585	5.8500	0.9579
18	16:04:50	0.0629	0.0588	5.8800	0.9573
19	18:05:26	0.0631	0.0590	5.9000	0.9569
20	20:06:03	0.0631	0.0590	5.9000	0.9569
21	22:06:39	0.0632	0.0591	5.9100	0.9567
22	24:07:15	0.0633	0.0592	5.9200	0.9565
23	26:07:51	0.0636	0.0595	5.9500	0.9559
24	28:08:28	0.0637	0.0596	5.9600	0.9557
25	30:09:04	0.0637	0.0596	5.9600	0.9557
26	32:09:40	0.0639	0.0598	5.9800	0.9552
27	34:10:16	0.0640	0.0599	5.9900	0.9550
28	36:10:53	0.0644	0.0603	6.0300	0.9542
29	38:11:29	0.0646	0.0605	6.0500	0.9538
30	40:12:05	0.0647	0.0606	6.0600	0.9536
31	42:12:41	0.0647	0.0606	6.0600	0.9536
32	44:13:18	0.0647	0.0606	6.0600	0.9536
33	45:53:17	0.0647	0.0606	6.0600	0.9536

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP4 - S1B

Project Number: J62-110E
Test Date: 08/30/2007
Test Number: 04

Sample Number: 04
Date Sampled: 8/8/2007
Depth: NA
Sample Type: Undisturbed

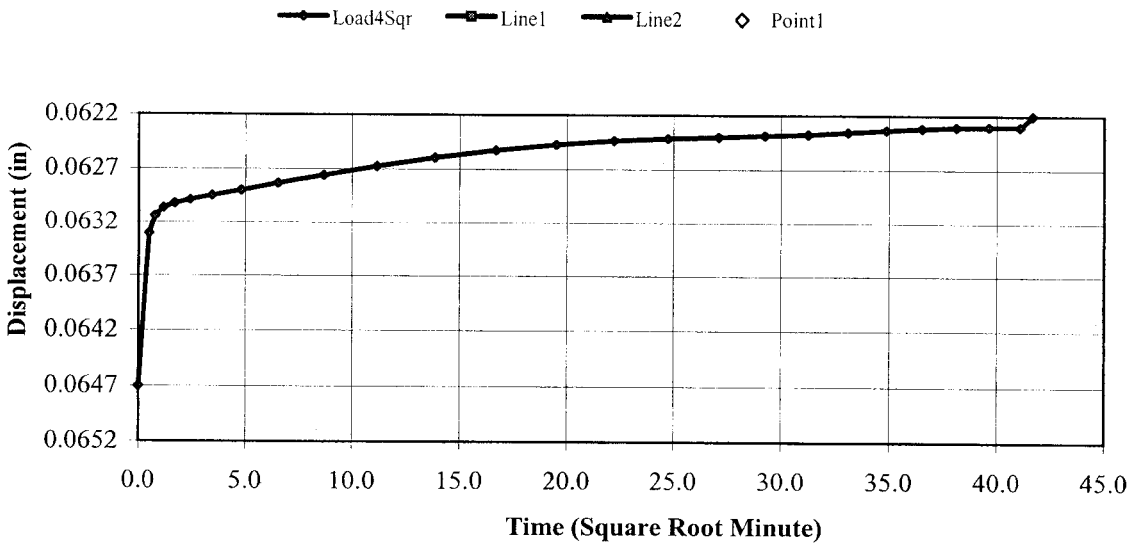
Soil Description:
Dark Brown, Sand (Organics)

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0647	0.0606	6.0600	0.9536
1	00:00:06	0.0631	0.0596	5.9600	0.9557
2	00:00:15	0.0631	0.0596	5.9600	0.9557
3	00:00:30	0.0631	0.0596	5.9600	0.9557
4	00:01:00	0.0630	0.0595	5.9500	0.9559
5	00:02:01	0.0630	0.0595	5.9500	0.9559
6	00:04:01	0.0630	0.0595	5.9500	0.9559
7	00:08:03	0.0630	0.0595	5.9500	0.9559
8	00:16:05	0.0629	0.0594	5.9400	0.9561
9	00:32:10	0.0629	0.0594	5.9400	0.9561
10	01:04:20	0.0628	0.0593	5.9300	0.9563
11	02:08:39	0.0626	0.0591	5.9100	0.9567
12	04:01:13	0.0624	0.0589	5.8900	0.9571
13	06:01:49	0.0624	0.0589	5.8900	0.9571
14	08:02:25	0.0624	0.0589	5.8900	0.9571
15	10:03:01	0.0624	0.0589	5.8900	0.9571
16	12:03:38	0.0624	0.0589	5.8900	0.9571
17	14:04:14	0.0624	0.0589	5.8900	0.9571
18	16:04:50	0.0624	0.0589	5.8900	0.9571
19	18:05:26	0.0624	0.0589	5.8900	0.9571
20	20:06:03	0.0623	0.0588	5.8800	0.9573
21	22:06:39	0.0623	0.0588	5.8800	0.9573
22	24:07:15	0.0623	0.0588	5.8800	0.9573
23	26:07:51	0.0623	0.0588	5.8800	0.9573
24	28:08:27	0.0623	0.0588	5.8800	0.9573
25	28:56:37	0.0622	0.0587	5.8700	0.9575

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 05
Location: DP5 - S1B
Date Sampled: 8/9/2007

Moisture Content	
Tare Number	**G-17**
wt. tare & wet sample (gm)	108.69
wt. tare & dry sample (gm)	92.17
wt. of Water (gm)	16.52
wt. of tare (gm)	32.17
wt. of dry sample (gm)	60.00
Water content (%)	**27.5**

Sample Dimensions (In.)	
Diameter 1	3.033
Diameter 2	3.042
Diameter 3	3.042
Avg. Diam.	**3.039**
Length 1	3.480
Length 2	3.487
Length 3	3.461
Avg. Length	**3.476**

Sample Weight	
Wt. Tube + Soil (g)	922.35
Wt. of Tube (g)	126.66
Soil wt. (g)	795.69
Soil wt. (lbs.)	**1.754**
Volume (cu feet.)	**0.0146**

Porosity	0.438
Specific Gravity	2.6884
Void Ratio	0.780

Bulk Wet Density **120.2** **(pcf)**

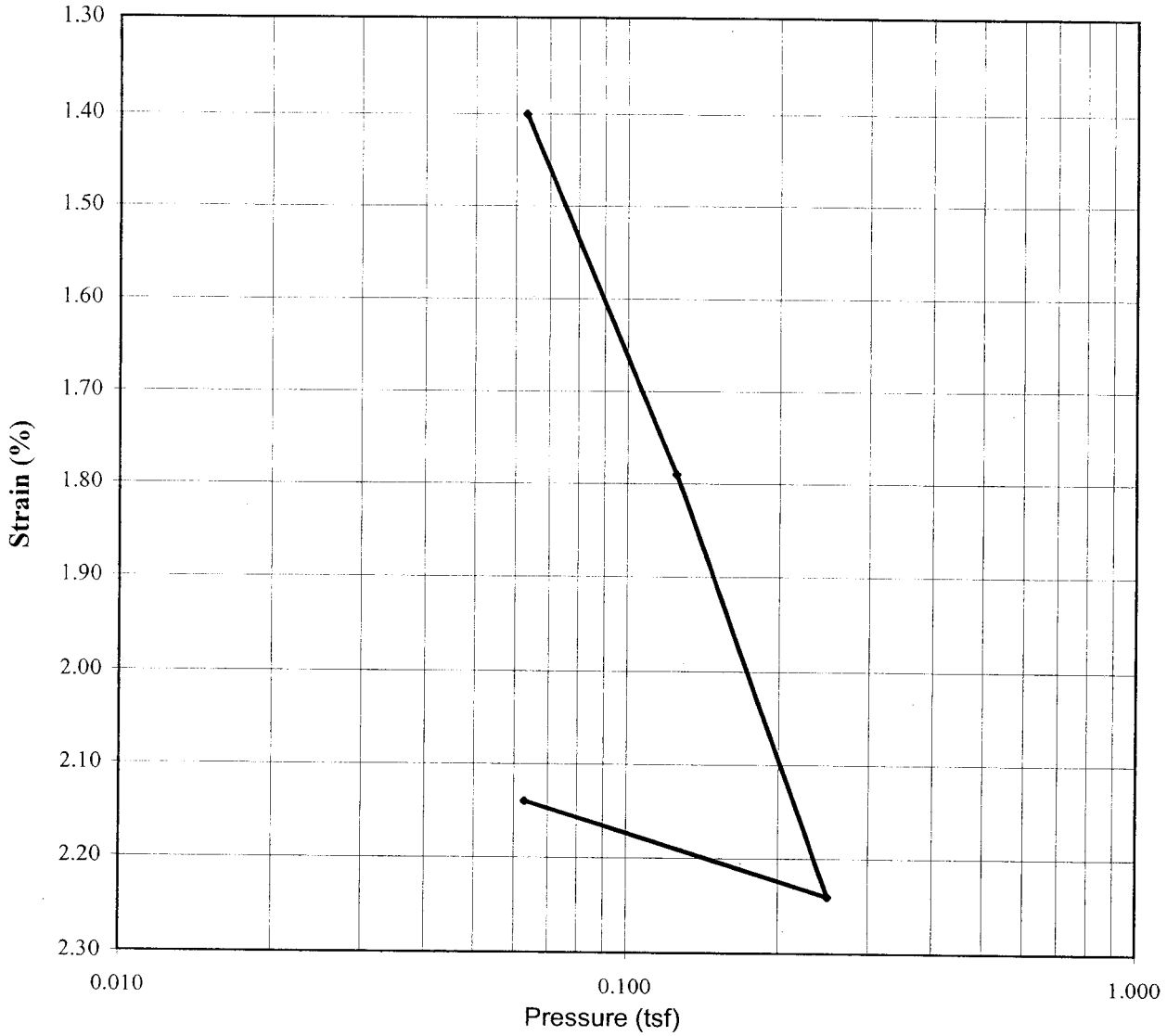
Bulk Dry Density **94.3** **(pcf)**

Visual Description: *Dark Brown Coarse Sand*

Performed By: Dave Jenks

Date: 9/5/2007

Consolidation Test
Test Results



	Before	After				
			Liquid Limits:	0	**Test Date:**	09/05/2007
Moisture (%):	25.0	30.4	**Plastic Limits:**	0		
Dry Density (pcf):	95.1	93.8	**Plasticity Index:**	0		
Saturation (%):	88.0	100.0				
Void Ratio:	0.7644	0.7266	**Specific Gravity:**	2.688	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 05 **Date Sampled:** NA

Project: Pigg River Sediment

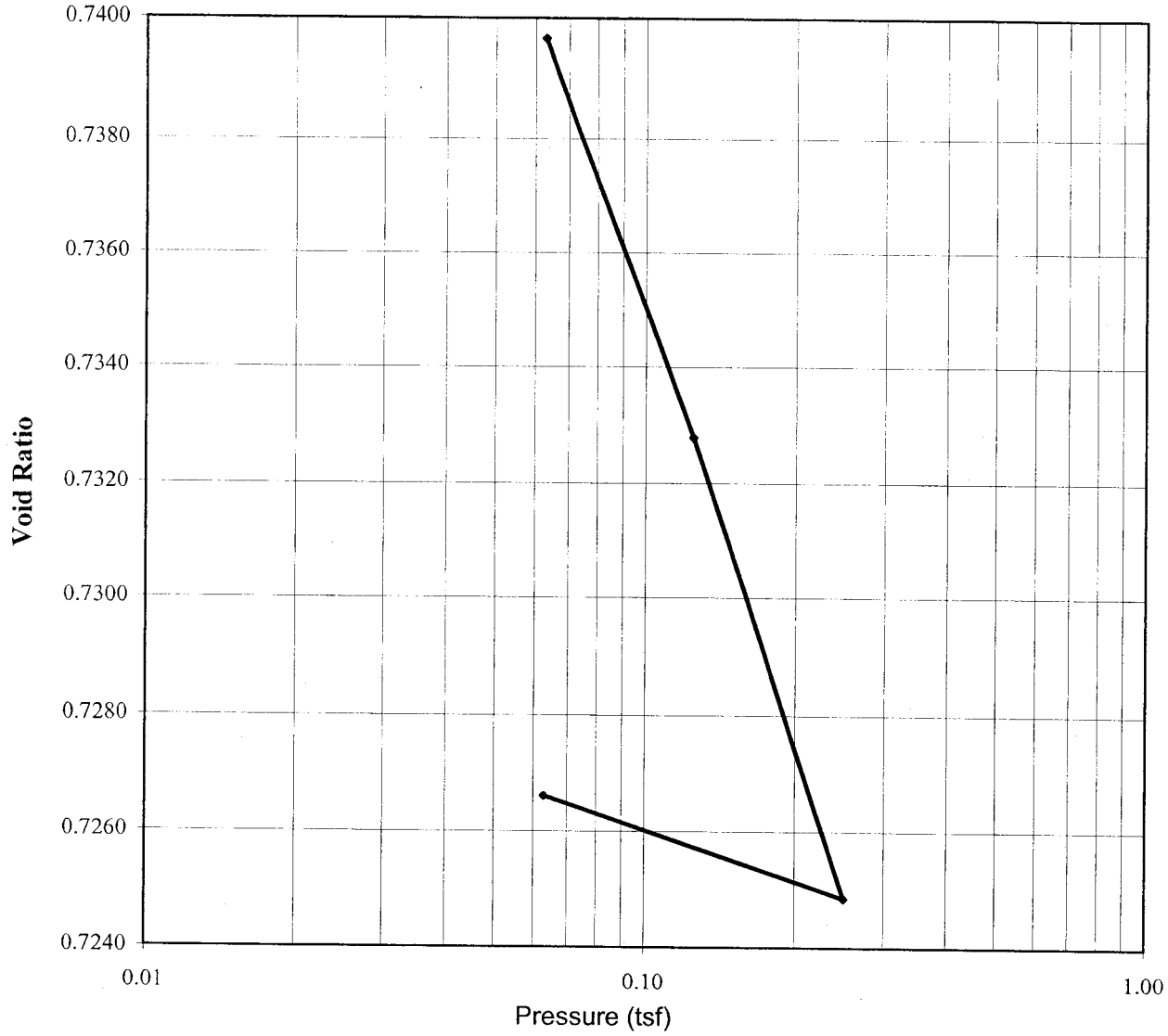
Client: FishAmerica

Location: DP5 -S1B

Remarks:

J62-110E (Pigg River - 05).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	25.0	30.4	**Liquid Limits:**	0	**Test Date:**	09/05/2007
Dry Density (pcf):	95.1	93.8	**Plastic Limits:**	0		
Saturation (%):	88.0	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7644	0.7266	**Specific Gravity:**	2.688	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 05 **Date Sampled:** NA

Project: Pigg River Sediment

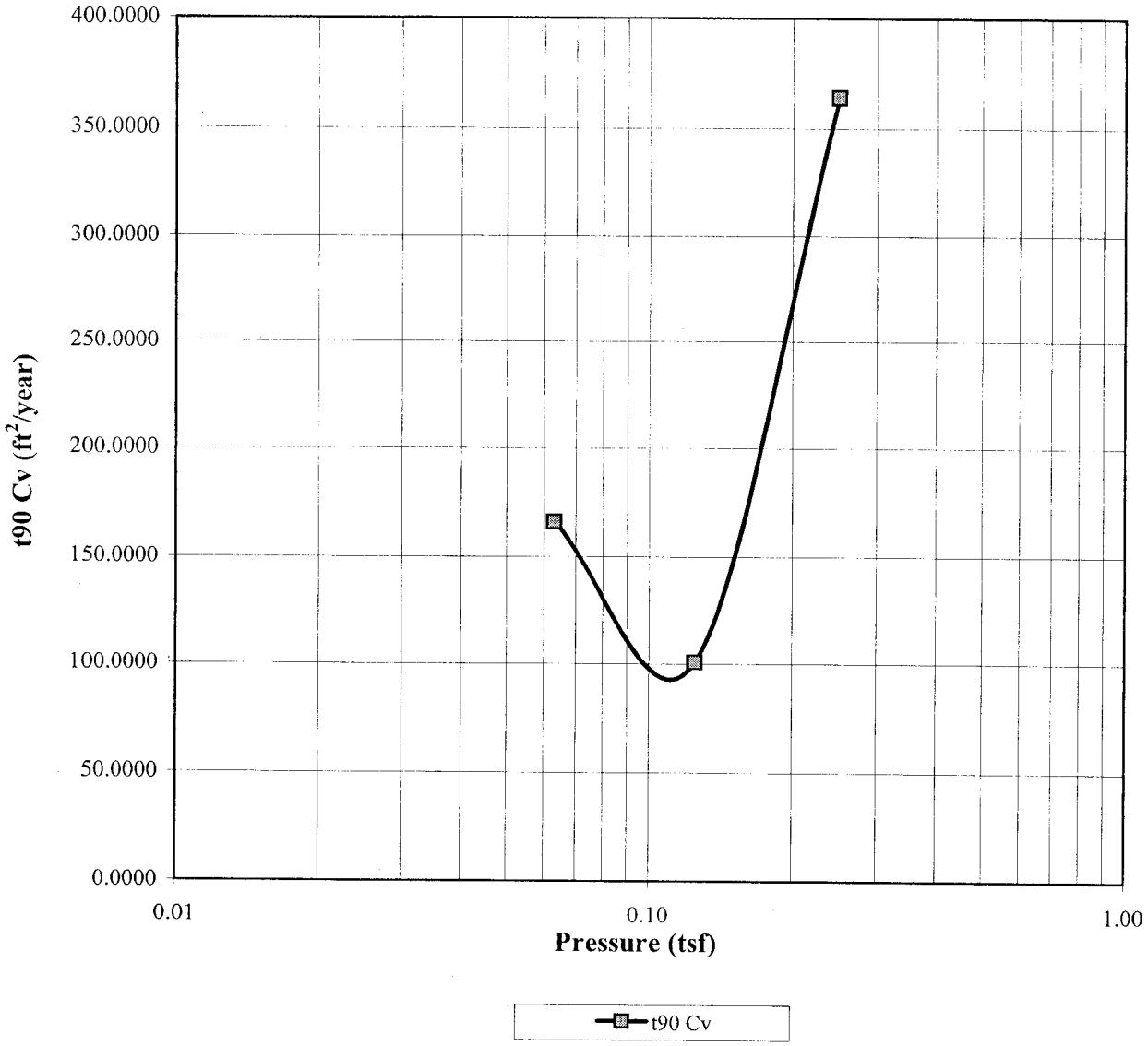
Client: FishAmerica

Location: DP5 -S1B

Remarks:

J62-110E (Pigg River - 05).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	25.0	30.4	**Liquid Limits:**	0	**Test Date:**	09/05/2007
Dry Density (pcf):	95.1	93.8	**Plastic Limits:**	0		
Saturation (%):	88.0	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7644	0.7266	**Specific Gravity:**	2.688	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 05 **Date Sampled:** NA

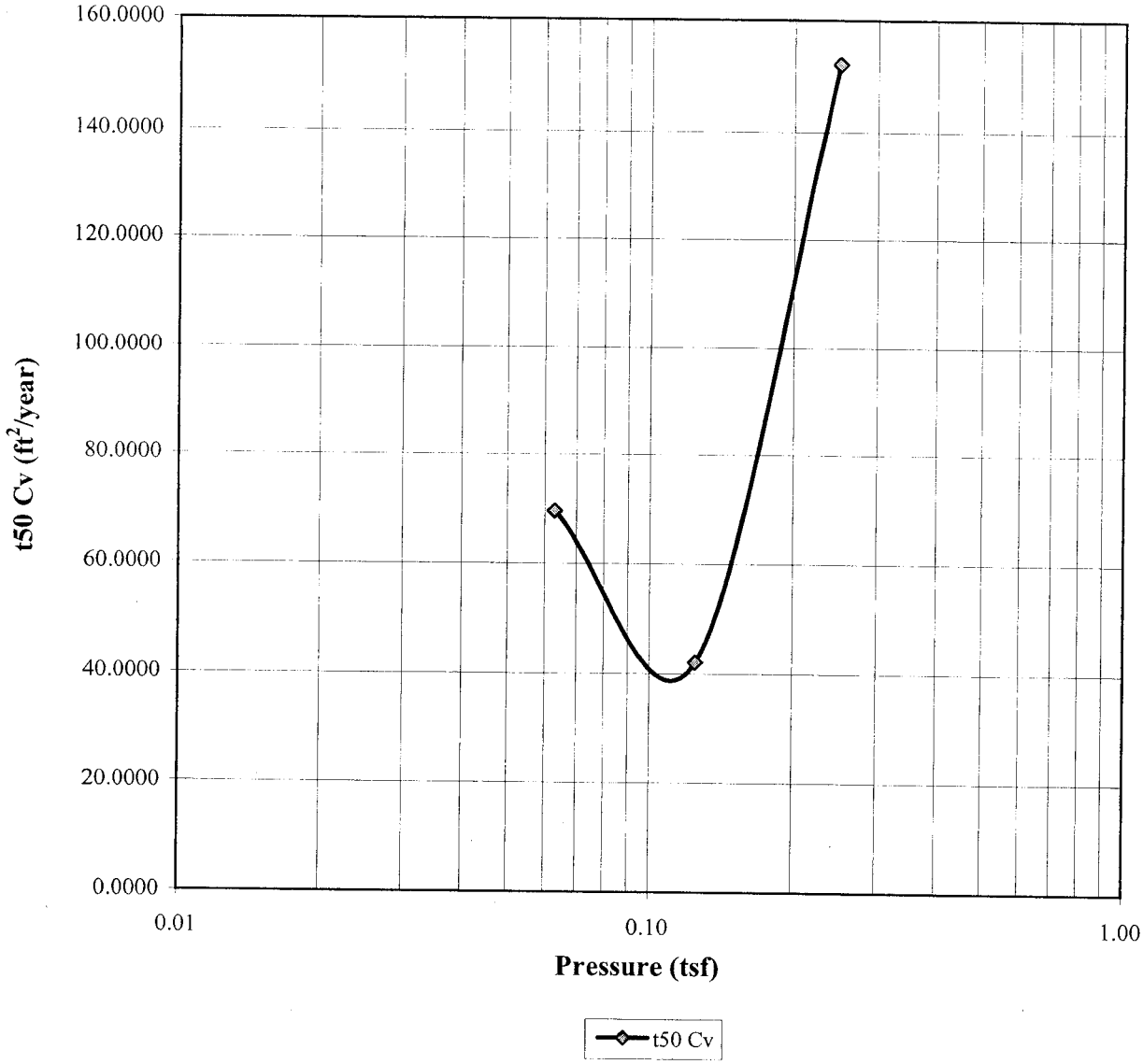
Remarks:

Project: Pigg River Sediment

Client: FishAmerica

Location: DP5 -S1B

Consolidation Test
Test Results



	Before	After				
Moisture (%):	25.0	30.4	**Liquid Limits:**	0	**Test Date:**	09/05/2007
Dry Density (pcf):	95.1	93.8	**Plastic Limits:**	0		
Saturation (%):	88.0	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7644	0.7266	**Specific Gravity:**	2.688	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 05 **Date Sampled:** NA

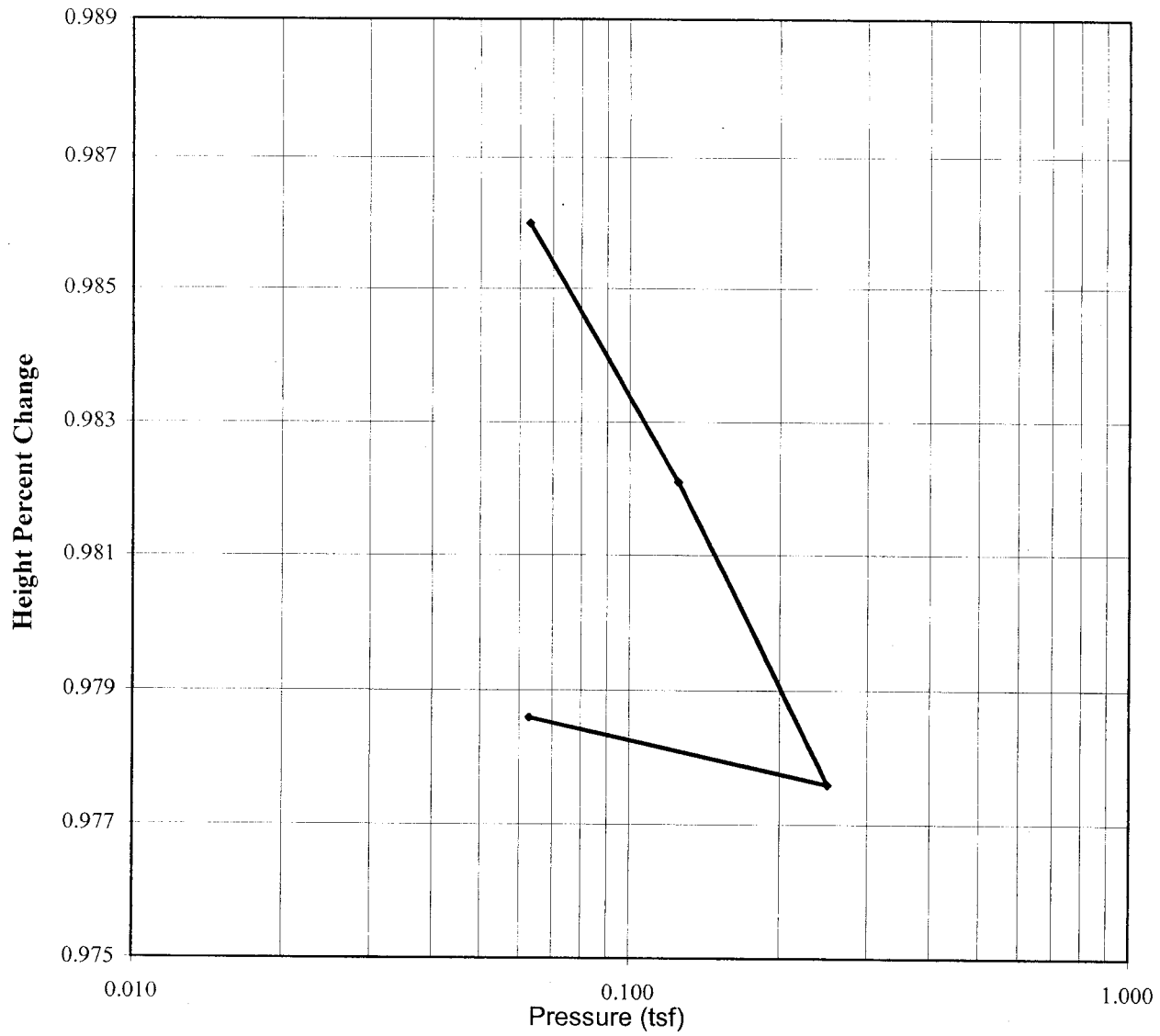
Project: Pigg River Sediment

Client: FishAmerica

Location: DP5 -S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	25.0	30.4	**Liquid Limits:**	0	**Test Date:**	09/05/2007
Dry Density (pcf):	95.1	93.8	**Plastic Limits:**	0		
Saturation (%):	88.0	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7644	0.7266	**Specific Gravity:**	2.688	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 05 **Date Sampled:** NA

Project: Pigg River Sediment

Client: FishAmerica

Location: DP5 -S1B

Remarks:

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E

Specific Gravity: 2.688 Measured

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

Test Number: 05
Test Date: 09/05/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.4332	0.00	0.7644	0.000		0.000	
1	0.063	0.0140	0.9860	0.4192	1.40	0.7397	4.592		166.165	
2	0.125	0.0179	0.9821	0.4153	1.79	0.7328	7.433		100.806	
3	0.250	0.0224	0.9776	0.4108	2.24	0.7248	2.041		364.036	
4	0.063	0.0214	0.9786	0.4118	2.14	0.7266	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E
Test Date: 09/05/2007

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

Test Number:
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.688 Measured

Initial Void Ratio: 0.7644
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	94.44	214.36
Dry Soil + Container (g)	78.90	178.38
Weight of Container (g)	16.84	60.14
Moisture Content (%)	25.0	30.4
Void Ratio	0.7644	0.7266
Saturation (%)	88.0	100.0
Dry Density (pcf)	95.1	93.8

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E

Test Date: 09/05/2007
Test Number: 05

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

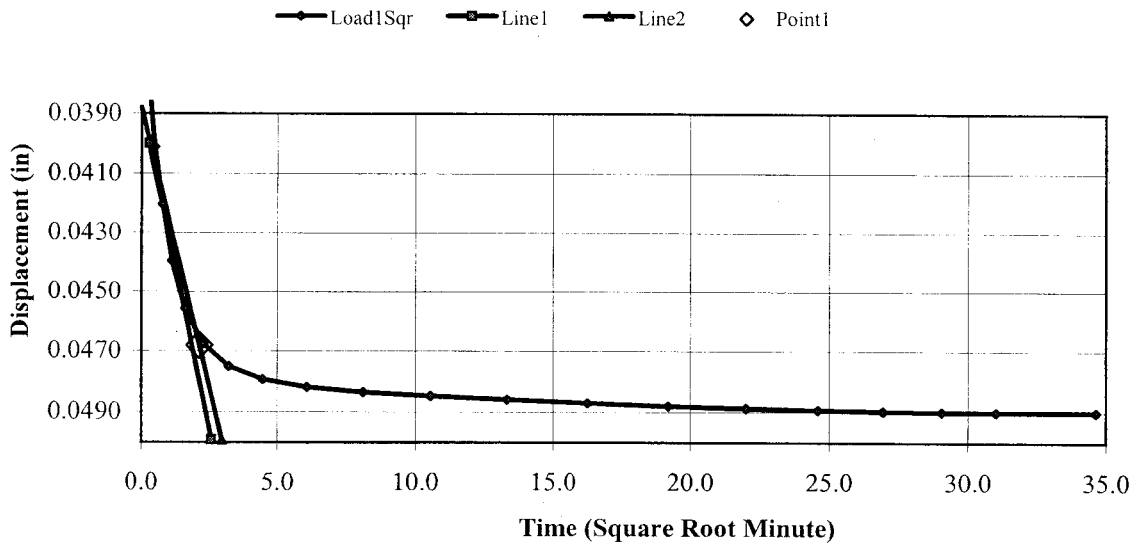
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0346	0.0000	0.0000	0.7644
1	00:00:06	0.0400	0.0050	0.5000	0.7555
2	00:00:15	0.0401	0.0051	0.5100	0.7554
3	00:00:30	0.0402	0.0052	0.5200	0.7552
4	00:01:00	0.0463	0.0113	1.1300	0.7444
5	00:02:00	0.0478	0.0128	1.2800	0.7418
6	00:04:01	0.0481	0.0131	1.3100	0.7413
7	00:08:01	0.0481	0.0131	1.3100	0.7413
8	00:16:03	0.0482	0.0132	1.3200	0.7411
9	00:32:06	0.0483	0.0133	1.3300	0.7409
10	01:04:12	0.0484	0.0134	1.3400	0.7407
11	02:08:23	0.0485	0.0135	1.3500	0.7406
12	04:00:43	0.0487	0.0137	1.3700	0.7402
13	06:01:05	0.0489	0.0139	1.3900	0.7398
14	08:01:28	0.0489	0.0139	1.3900	0.7398
15	10:01:50	0.0489	0.0139	1.3900	0.7398
16	12:02:12	0.0490	0.0140	1.4000	0.7397
17	14:02:34	0.0490	0.0140	1.4000	0.7397
18	16:02:56	0.0490	0.0140	1.4000	0.7397
19	19:59:40	0.0490	0.0140	1.4000	0.7397

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E

Test Date: 09/05/2007
Test Number: 05

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description: Dark Brown Coarse Sand

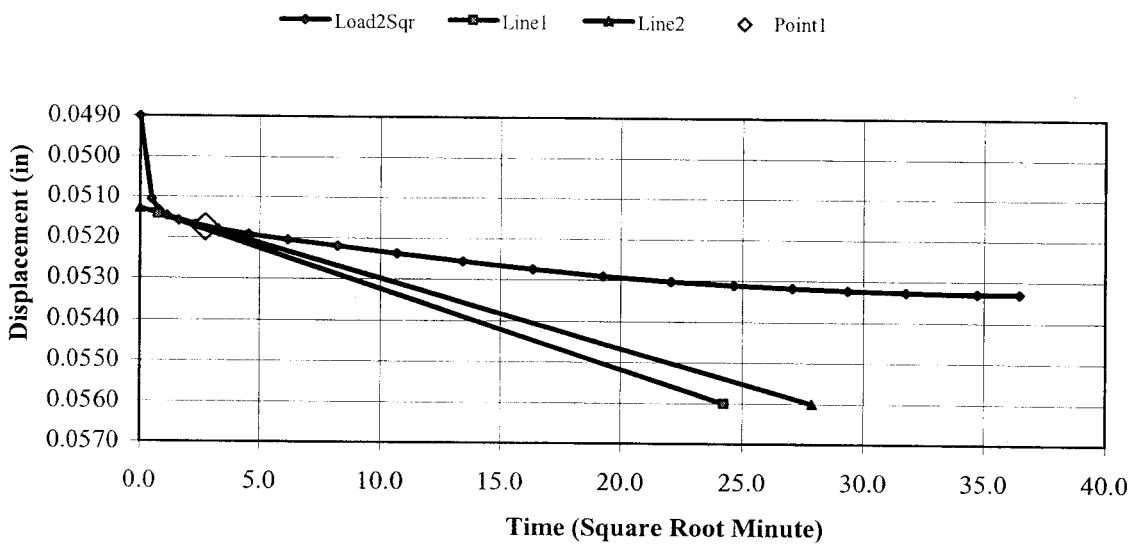
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0490	0.0140	1.4000	0.7397
1	00:00:06	0.0513	0.0159	1.5900	0.7363
2	00:00:15	0.0514	0.0160	1.6000	0.7361
3	00:00:30	0.0514	0.0160	1.6000	0.7361
4	00:01:00	0.0515	0.0161	1.6100	0.7360
5	00:02:00	0.0516	0.0162	1.6200	0.7358
6	00:04:01	0.0517	0.0163	1.6300	0.7356
7	00:08:01	0.0518	0.0164	1.6400	0.7354
8	00:16:03	0.0520	0.0166	1.6600	0.7351
9	00:32:06	0.0521	0.0167	1.6700	0.7349
10	01:04:12	0.0521	0.0167	1.6700	0.7349
11	02:08:23	0.0522	0.0168	1.6800	0.7347
12	04:00:51	0.0530	0.0176	1.7600	0.7333
13	06:01:27	0.0530	0.0176	1.7600	0.7333
14	08:02:03	0.0531	0.0177	1.7700	0.7331
15	10:02:40	0.0531	0.0177	1.7700	0.7331
16	12:03:16	0.0532	0.0178	1.7800	0.7330
17	14:03:52	0.0532	0.0178	1.7800	0.7330
18	16:04:28	0.0533	0.0179	1.7900	0.7328
19	20:05:41	0.0533	0.0179	1.7900	0.7328
20	22:09:05	0.0533	0.0179	1.7900	0.7328

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E
Test Date: 09/05/2007
Test Number: 05

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

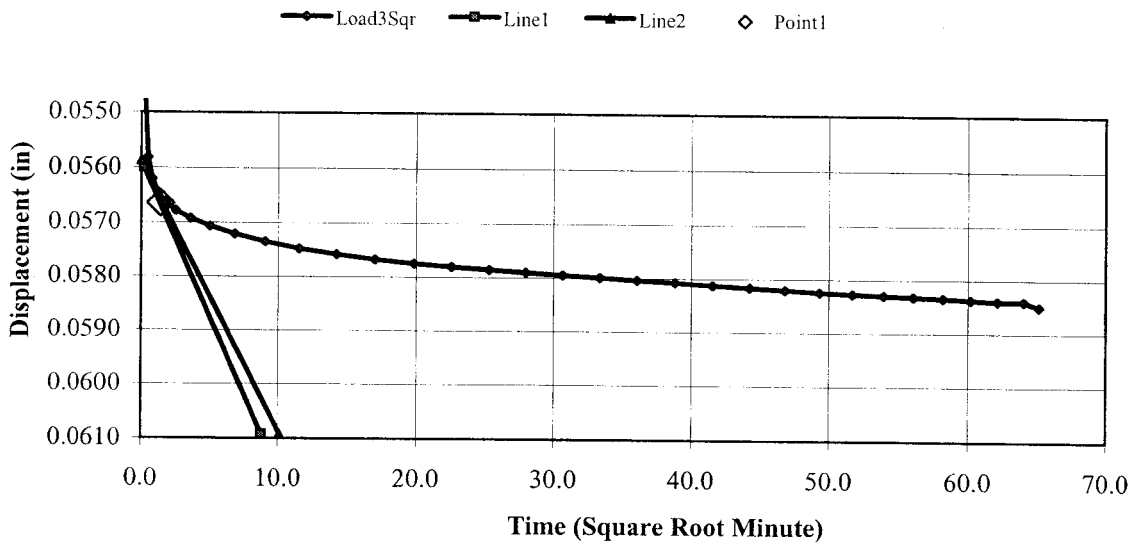
Soil Description:
Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0533	0.0179	1.7900	0.7328
1	00:00:06	0.0560	0.0199	1.9900	0.7293
2	00:00:15	0.0562	0.0201	2.0100	0.7289
3	00:00:30	0.0563	0.0202	2.0200	0.7287
4	00:01:00	0.0565	0.0204	2.0400	0.7284
5	00:02:00	0.0567	0.0206	2.0600	0.7280
6	00:04:01	0.0569	0.0208	2.0800	0.7277
7	00:08:02	0.0569	0.0208	2.0800	0.7277
8	00:16:05	0.0570	0.0209	2.0900	0.7275
9	00:32:10	0.0572	0.0211	2.1100	0.7271
10	01:04:19	0.0575	0.0214	2.1400	0.7266
11	02:08:39	0.0577	0.0216	2.1600	0.7263
12	04:01:13	0.0577	0.0216	2.1600	0.7263
13	06:01:49	0.0578	0.0217	2.1700	0.7261
14	08:02:25	0.0578	0.0217	2.1700	0.7261
15	10:03:02	0.0578	0.0217	2.1700	0.7261
16	12:03:38	0.0579	0.0218	2.1800	0.7259
17	14:04:14	0.0579	0.0218	2.1800	0.7259
18	16:04:50	0.0580	0.0219	2.1900	0.7257
19	20:06:03	0.0580	0.0219	2.1900	0.7257
20	24:07:16	0.0581	0.0220	2.2000	0.7256
21	28:08:28	0.0581	0.0220	2.2000	0.7256
22	32:09:41	0.0581	0.0220	2.2000	0.7256
23	36:10:53	0.0582	0.0221	2.2100	0.7254
24	40:12:06	0.0583	0.0222	2.2200	0.7252
25	44:13:18	0.0583	0.0222	2.2200	0.7252
26	48:14:31	0.0583	0.0222	2.2200	0.7252
27	52:15:43	0.0583	0.0222	2.2200	0.7252
28	56:16:56	0.0583	0.0222	2.2200	0.7252
29	60:18:09	0.0584	0.0223	2.2300	0.7250
30	64:19:21	0.0584	0.0223	2.2300	0.7250
31	68:20:33	0.0584	0.0223	2.2300	0.7250
32	70:42:09	0.0585	0.0224	2.2400	0.7248

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP5 - S1B

Project Number: J62-110E

Test Date: 09/05/2007
Test Number: 05

Sample Number: 05
Sample Date: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

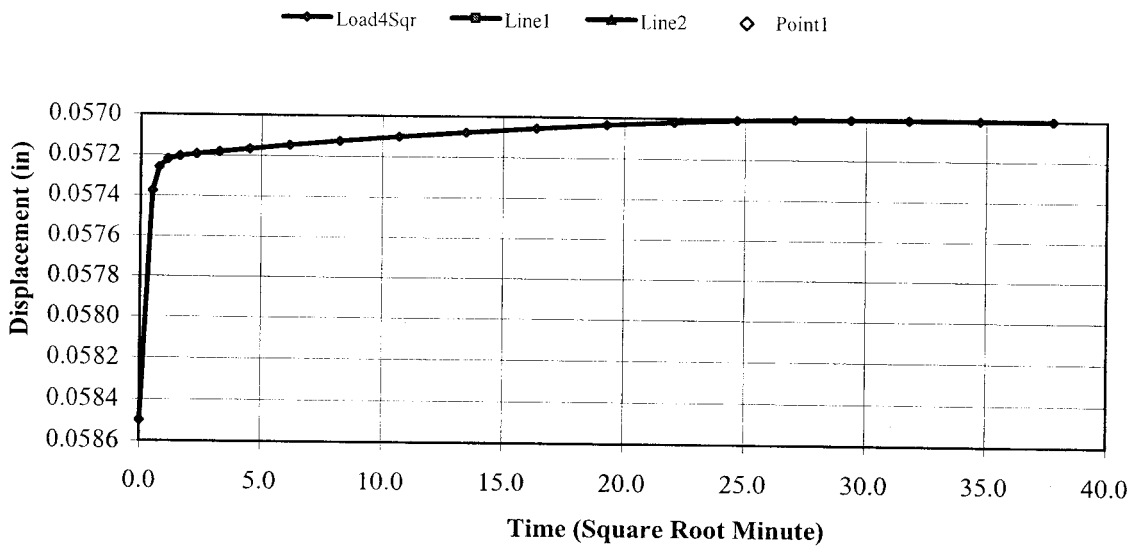
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0585	0.0224	2.2400	0.7248
1	00:00:06	0.0572	0.0216	2.1600	0.7263
2	00:00:15	0.0572	0.0216	2.1600	0.7263
3	00:00:30	0.0572	0.0216	2.1600	0.7263
4	00:01:00	0.0572	0.0216	2.1600	0.7263
5	00:02:01	0.0572	0.0216	2.1600	0.7263
6	00:04:01	0.0572	0.0216	2.1600	0.7263
7	00:08:02	0.0572	0.0216	2.1600	0.7263
8	00:16:05	0.0572	0.0216	2.1600	0.7263
9	00:32:10	0.0571	0.0215	2.1500	0.7264
10	01:04:19	0.0571	0.0215	2.1500	0.7264
11	02:08:39	0.0571	0.0215	2.1500	0.7264
12	04:01:13	0.0571	0.0215	2.1500	0.7264
13	06:01:49	0.0570	0.0214	2.1400	0.7266
14	08:02:25	0.0570	0.0214	2.1400	0.7266
15	10:03:01	0.0570	0.0214	2.1400	0.7266
16	12:03:38	0.0570	0.0214	2.1400	0.7266
17	14:04:14	0.0570	0.0214	2.1400	0.7266
18	16:04:50	0.0570	0.0214	2.1400	0.7266
19	20:06:03	0.0570	0.0214	2.1400	0.7266
20	23:46:50	0.0570	0.0214	2.1400	0.7266

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 06
Location: DP6 - S1B
Date Sampled: 8/10/2007

Moisture Content	
Tare Number	**E-32**
wt. tare & wet sample (gm)	128.42
wt. tare & dry sample (gm)	113.31
wt. of Water (gm)	15.11
wt. of tare (gm)	31.36
wt. of dry sample (gm)	81.95
Water content (%)	**18.4**

Sample Dimensions (In.)	
Diameter 1	3.037
Diameter 2	3.053
Diameter 3	3.050
Avg. Diam.	**3.047**
Length 1	3.215
Length 2	3.187
Length 3	3.134
Avg. Length	**3.179**

Sample Weight	
Wt. Tube + Soil (g)	832.99
Wt. of Tube (g)	116.93
Soil wt. (g)	716.06
Soil wt. (lbs.)	**1.579**
Volume (cu feet.)	**0.0134**

Porosity	0.402
Specific Gravity	2.6627
Void Ratio	0.672

Bulk Wet Density **117.7** **(pcf)**

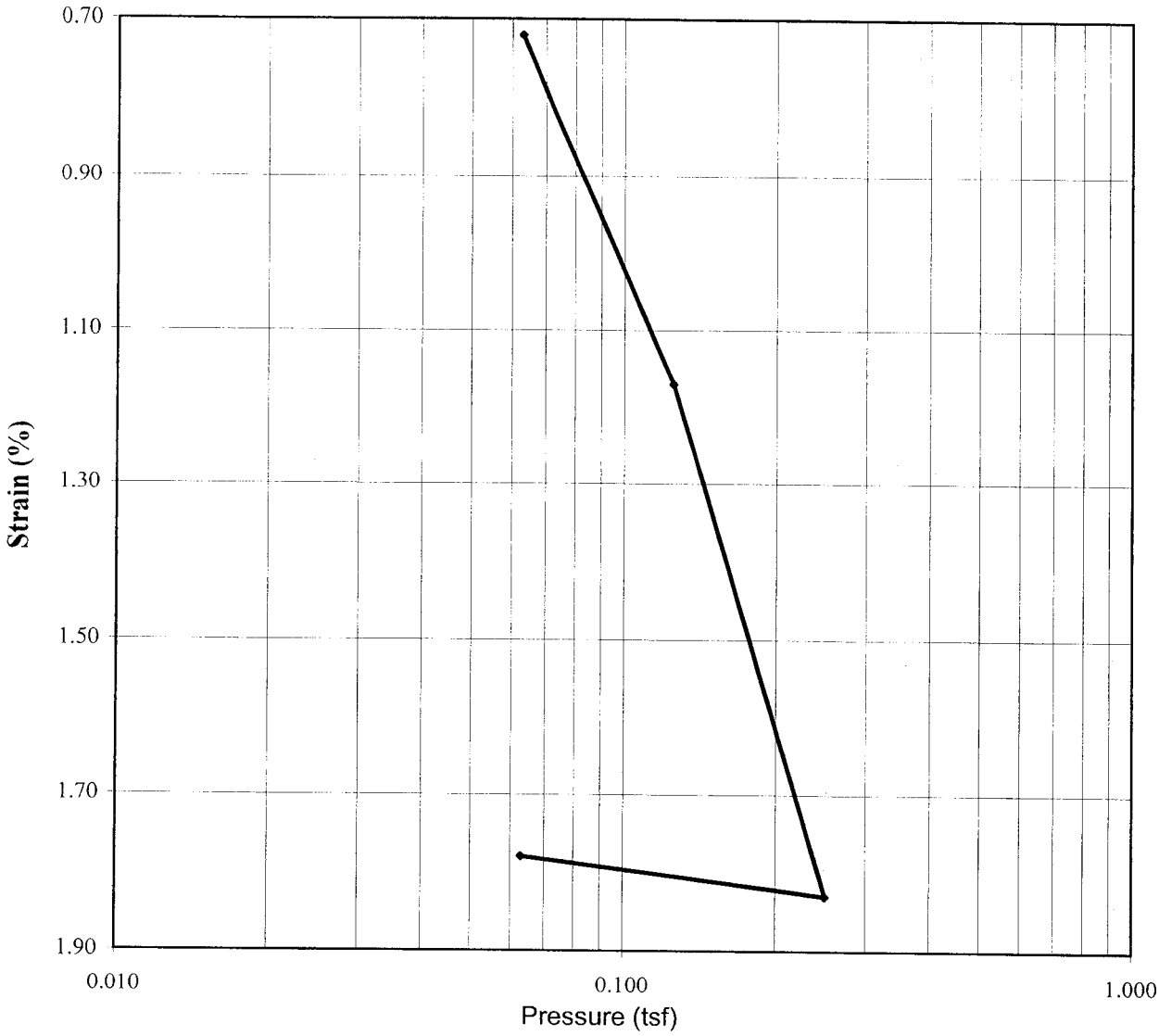
Bulk Dry Density **99.4** **(pcf)**

Visual Description: *Dark Brown Coarse Sand*

Performed By: Dave Jenks

Date: 9/6/2007

Consolidation Test
Test Results



	Before	After				
Moisture (%):	22.1	33.0	**Liquid Limits:**	0	**Test Date:**	09/06/2007
Dry Density (pcf):	92.3	90.6	**Plastic Limits:**	0		
Saturation (%):	73.6	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7969	0.7649	**Specific Gravity:**	2.662	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 06 **Date Sampled:** 8/10/2007

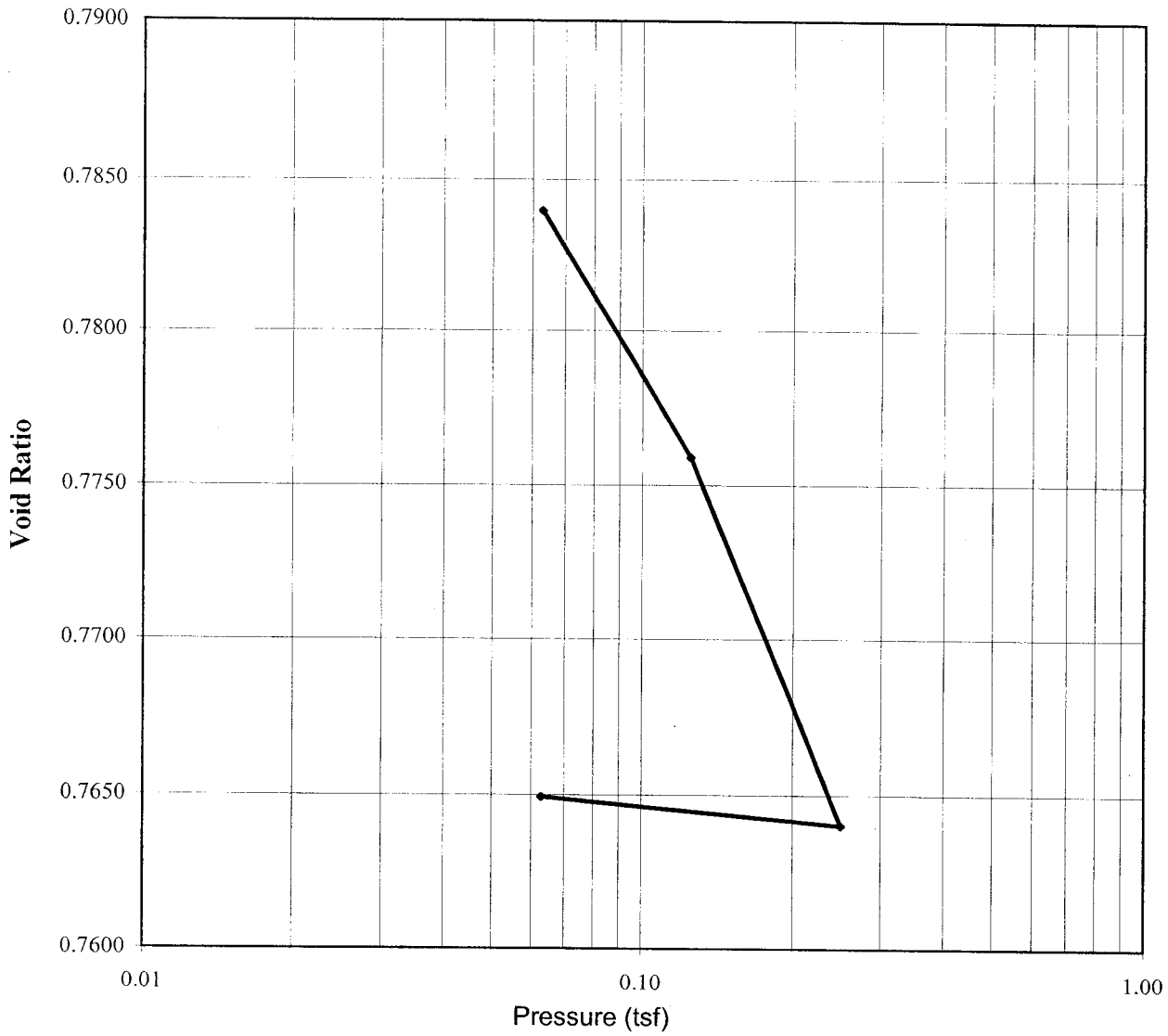
Project: Pigg River Sediment

Client: FishAmerica

Location: DP6 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	22.1	33.0	**Liquid Limits:**	0	**Test Date:**	09/06/2007
Dry Density (pcf):	92.3	90.6	**Plastic Limits:**	0		
Saturation (%):	73.6	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7969	0.7649	**Specific Gravity:**	2.662	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 06 **Date Sampled:** 8/10/2007

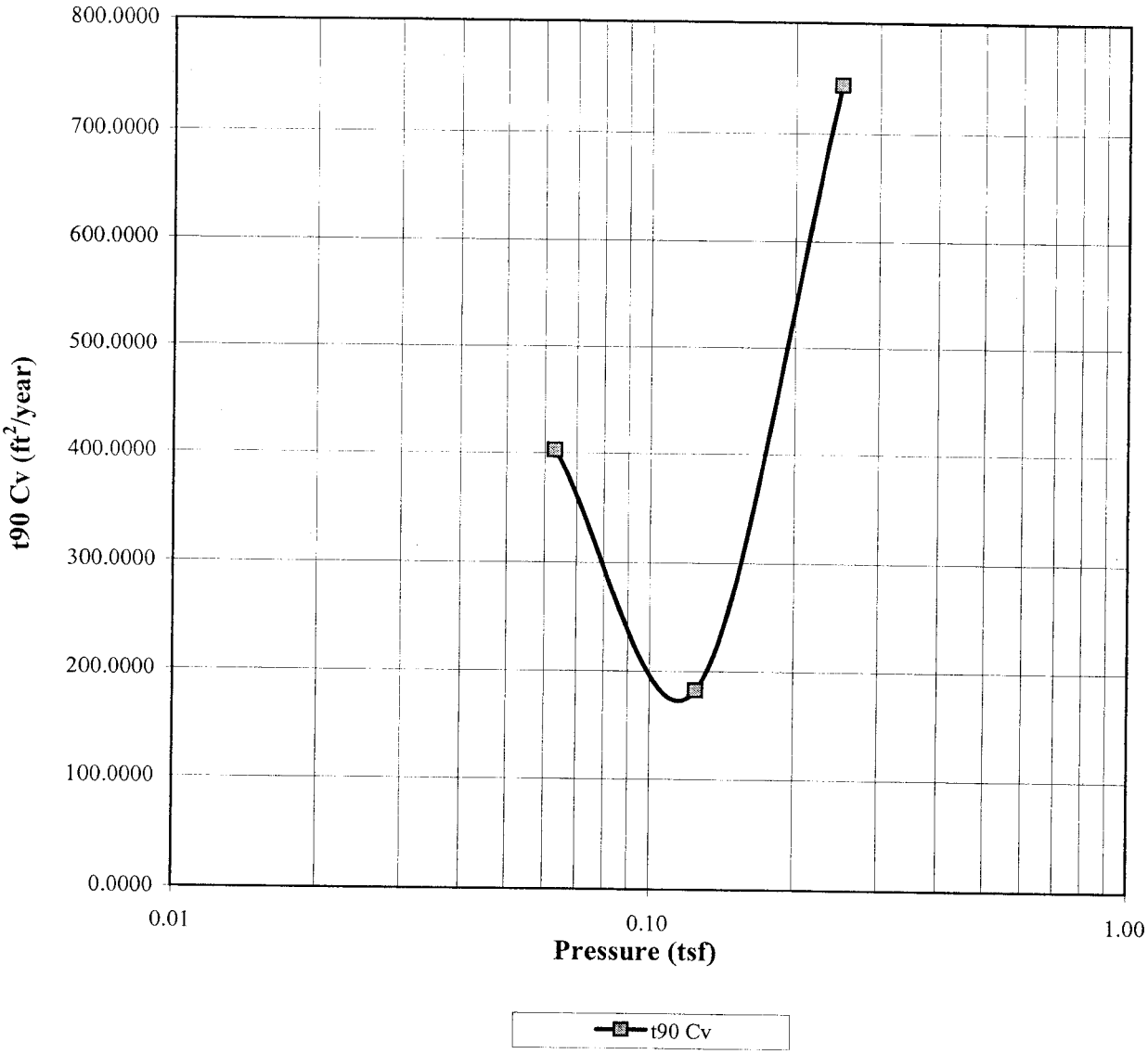
Project: Pigg River Sediment

Client: FishAmerica

Location: DP6 - S1B

Remarks:

Consolidation Test
Test Results



	Before	After				
Moisture (%):	22.1	33.0	**Liquid Limits:**	0	**Test Date:**	09/06/2007
Dry Density (pcf):	92.3	90.6	**Plastic Limits:**	0		
Saturation (%):	73.6	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7969	0.7649	**Specific Gravity:**	2.662	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 06 **Date Sampled:** 8/10/2007

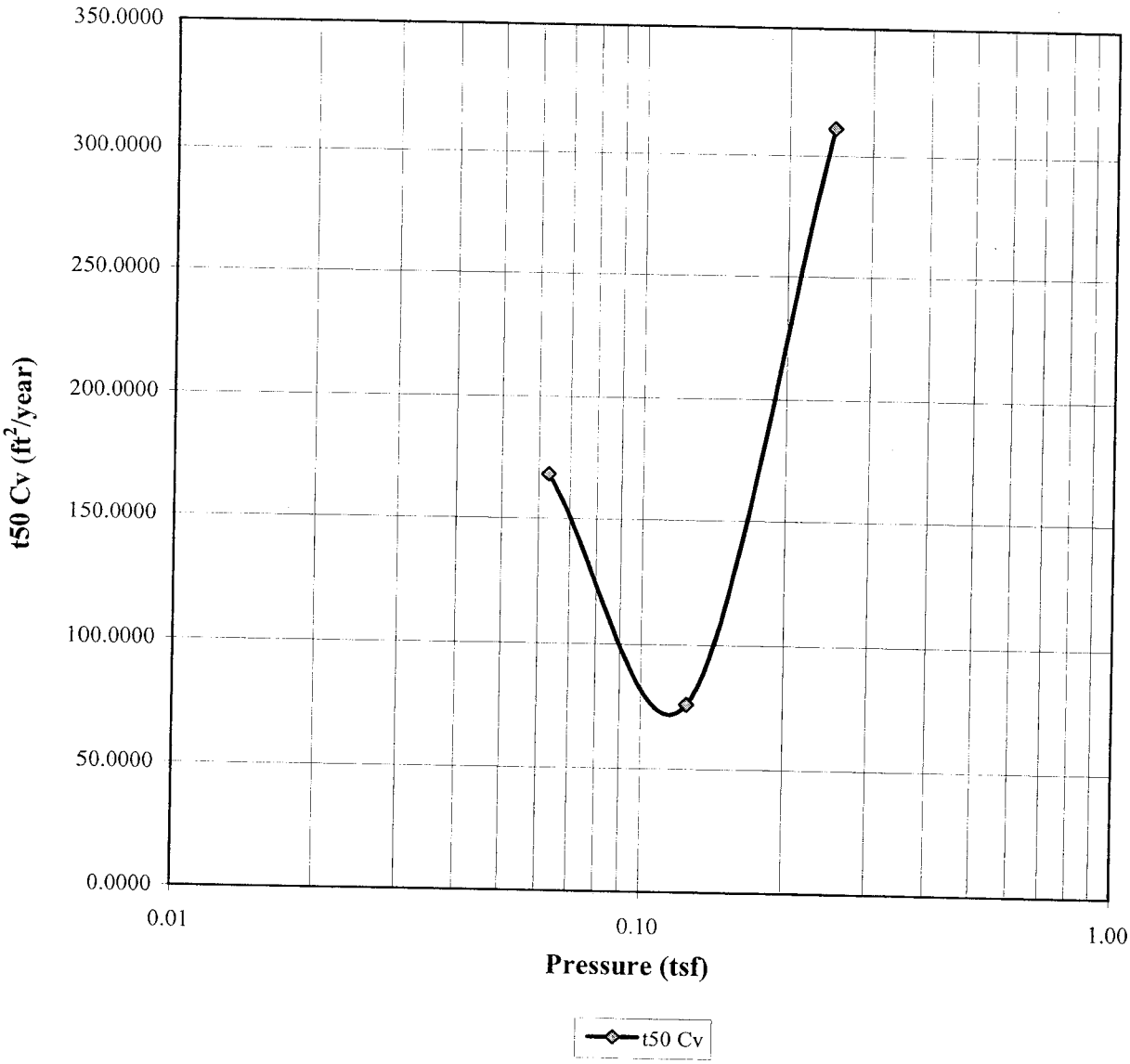
Project: Pigg River Sediment

Client: FishAmerica

Location: DP6 - S1B

Remarks:

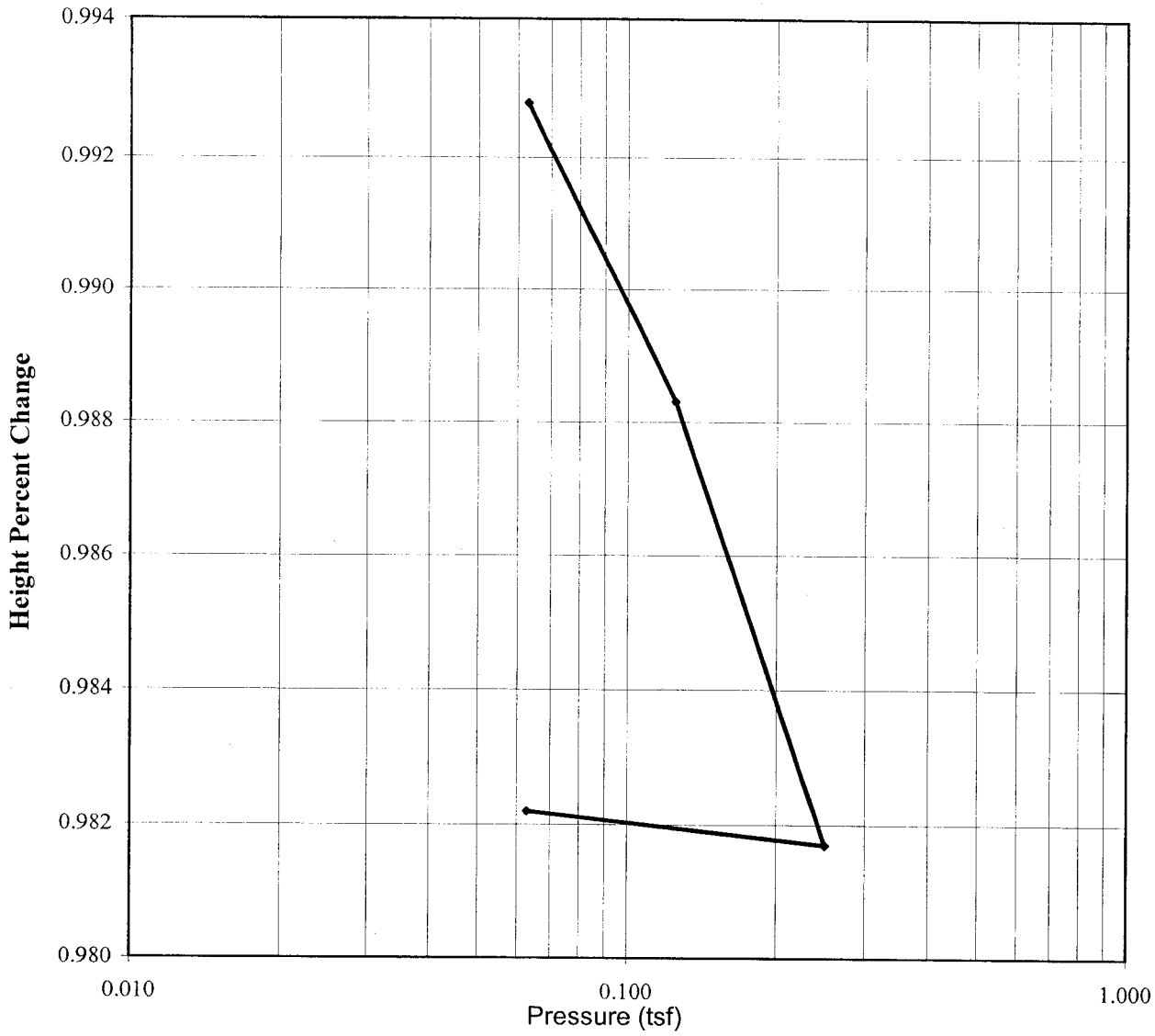
Consolidation Test
Test Results



	Before	After				
Moisture (%):	22.1	33.0	Liquid Limits:	0	Test Date:	09/06/2007
Dry Density (pcf):	92.3	90.6	Plastic Limits:	0		
Saturation (%):	73.6	100.0	Plasticity Index:	0		
Void Ratio:	0.7969	0.7649	Specific Gravity:	2.662	Measured	

Soil Description:	Dark Brown Coarse Sand			
Project Number:	J62-110E	Depth:	NA	Remarks:
Sample Number:	06	Date Sampled:	8/10/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP6 - S1B			

Consolidation Test
Test Results



	Before	After				
Moisture (%):	22.1	33.0	**Liquid Limits:**	0	**Test Date:**	09/06/2007
Dry Density (pcf):	92.3	90.6	**Plastic Limits:**	0		
Saturation (%):	73.6	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7969	0.7649	**Specific Gravity:**	2.662	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 06 **Date Sampled:** 8/10/2007

Project: Pigg River Sediment

Client: FishAmerica

Location: DP6 - S1B

Remarks:

J62-110E (Pigg River - 06).HSD

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E

Specific Gravity: 2.662 Measured
Soil Description: Dark Brown Coarse Sand

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

Test Number: 06
Test Date: 09/06/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.4435	0.00	0.7969	0.000		0.000	
1	0.063	0.0072	0.9928	0.4363	0.72	0.7840	1.909		402.541	
2	0.125	0.0117	0.9883	0.4318	1.17	0.7759	4.165		182.295	
3	0.250	0.0183	0.9817	0.4252	1.83	0.7640	1.009		743.738	
4	0.063	0.0178	0.9822	0.4257	1.78	0.7649	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E
Test Date: 09/06/2007

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

Test Number: 06
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.662 Measured

Initial Void Ratio: 0.7969
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	81.26	212.45
Dry Soil + Container (g)	69.62	174.60
Weight of Container (g)	17.02	59.97
Moisture Content (%)	22.1	33.0
Void Ratio	0.7969	0.7649
Saturation (%)	73.6	100.0
Dry Density (pcf)	92.3	90.6

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E
Test Date: 09/06/2007
Test Number: 06

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

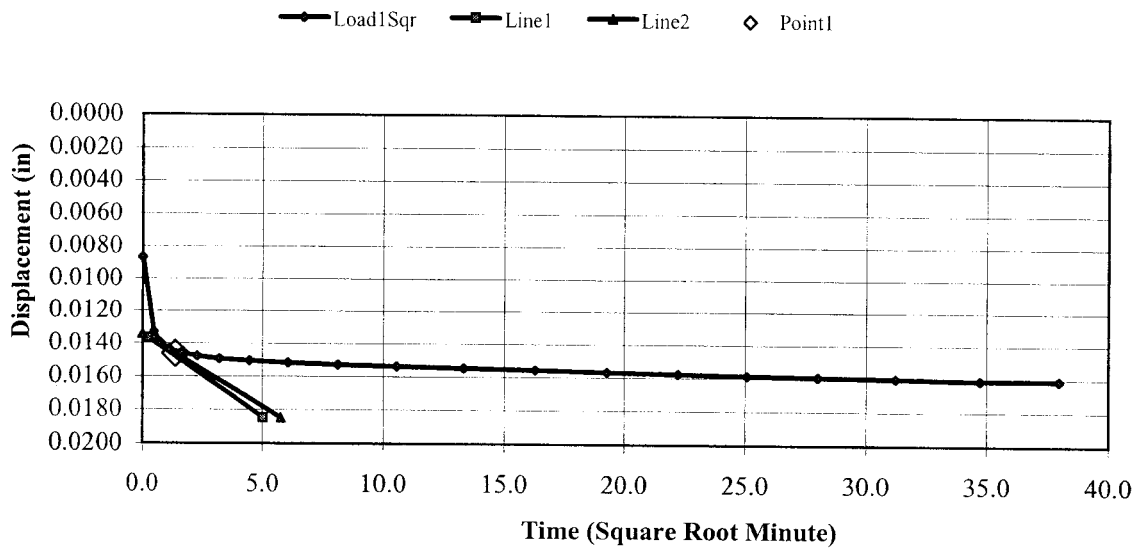
Soil Description: Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0087	0.0000	0.0000	0.7969
1	00:00:06	0.0137	0.0048	0.4800	0.7883
2	00:00:15	0.0139	0.0050	0.5000	0.7879
3	00:00:30	0.0144	0.0055	0.5500	0.7870
4	00:01:00	0.0145	0.0056	0.5600	0.7869
5	00:02:00	0.0146	0.0057	0.5700	0.7867
6	00:04:01	0.0149	0.0060	0.6000	0.7861
7	00:08:02	0.0151	0.0062	0.6200	0.7858
8	00:16:05	0.0152	0.0063	0.6300	0.7856
9	00:32:09	0.0152	0.0063	0.6300	0.7856
10	01:04:19	0.0153	0.0064	0.6400	0.7854
11	02:08:39	0.0154	0.0065	0.6500	0.7852
12	04:01:12	0.0155	0.0066	0.6600	0.7851
13	06:01:49	0.0157	0.0068	0.6800	0.7847
14	08:02:25	0.0158	0.0069	0.6900	0.7845
15	10:03:01	0.0159	0.0070	0.7000	0.7843
16	12:03:38	0.0159	0.0070	0.7000	0.7843
17	16:04:50	0.0160	0.0071	0.7100	0.7842
18	20:06:03	0.0161	0.0072	0.7200	0.7840
19	24:01:23	0.0161	0.0072	0.7200	0.7840

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E
Test Date: 09/06/2007
Test Number: 06

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

Soil Description: Dark Brown Coarse Sand

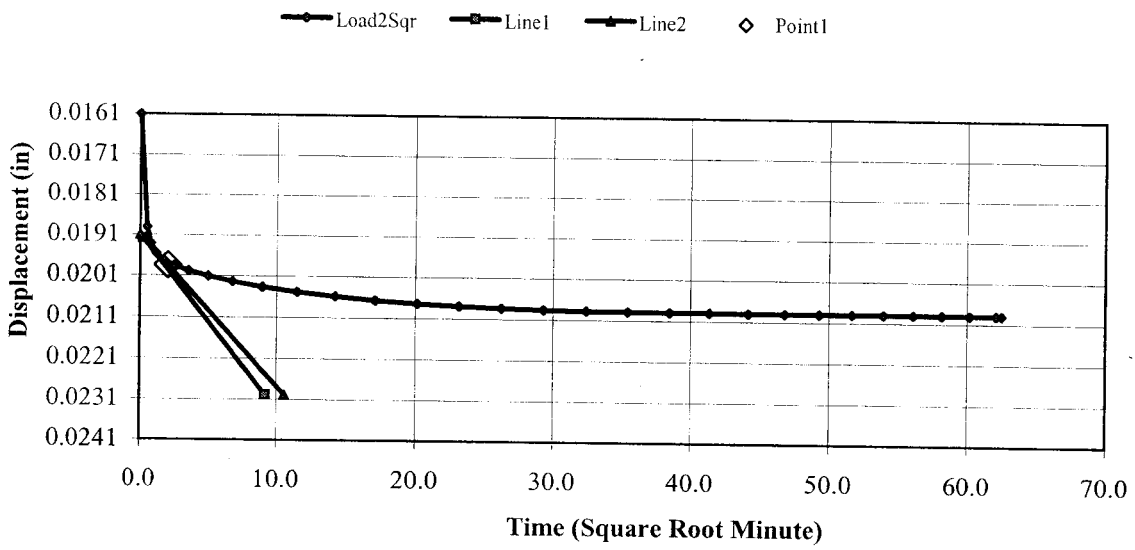
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0161	0.0072	0.7200	0.7840
1	00:00:06	0.0192	0.0100	1.0000	0.7789
2	00:00:15	0.0193	0.0101	1.0100	0.7788
3	00:00:30	0.0194	0.0102	1.0200	0.7786
4	00:01:01	0.0197	0.0105	1.0500	0.7780
5	00:02:01	0.0198	0.0106	1.0600	0.7779
6	00:04:01	0.0199	0.0107	1.0700	0.7777
7	00:08:03	0.0200	0.0108	1.0800	0.7775
8	00:16:05	0.0201	0.0109	1.0900	0.7773
9	00:32:10	0.0202	0.0110	1.1000	0.7771
10	01:04:20	0.0205	0.0113	1.1300	0.7766
11	02:08:39	0.0206	0.0114	1.1400	0.7764
12	04:01:13	0.0207	0.0115	1.1500	0.7762
13	06:01:49	0.0208	0.0116	1.1600	0.7761
14	08:02:26	0.0208	0.0116	1.1600	0.7761
15	10:03:02	0.0209	0.0117	1.1700	0.7759
16	12:03:38	0.0209	0.0117	1.1700	0.7759
17	16:04:51	0.0209	0.0117	1.1700	0.7759
18	20:06:03	0.0209	0.0117	1.1700	0.7759
19	24:07:16	0.0209	0.0117	1.1700	0.7759
20	28:08:28	0.0209	0.0117	1.1700	0.7759
21	32:09:41	0.0209	0.0117	1.1700	0.7759
22	36:10:53	0.0209	0.0117	1.1700	0.7759
23	40:12:06	0.0209	0.0117	1.1700	0.7759
24	44:13:19	0.0209	0.0117	1.1700	0.7759
25	48:14:31	0.0209	0.0117	1.1700	0.7759
26	52:15:44	0.0209	0.0117	1.1700	0.7759
27	56:16:56	0.0209	0.0117	1.1700	0.7759
28	60:18:09	0.0209	0.0117	1.1700	0.7759
29	64:19:21	0.0209	0.0117	1.1700	0.7759
30	65:10:30	0.0209	0.0117	1.1700	0.7759

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E
Test Date: 09/06/2007
Test Number: 06

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

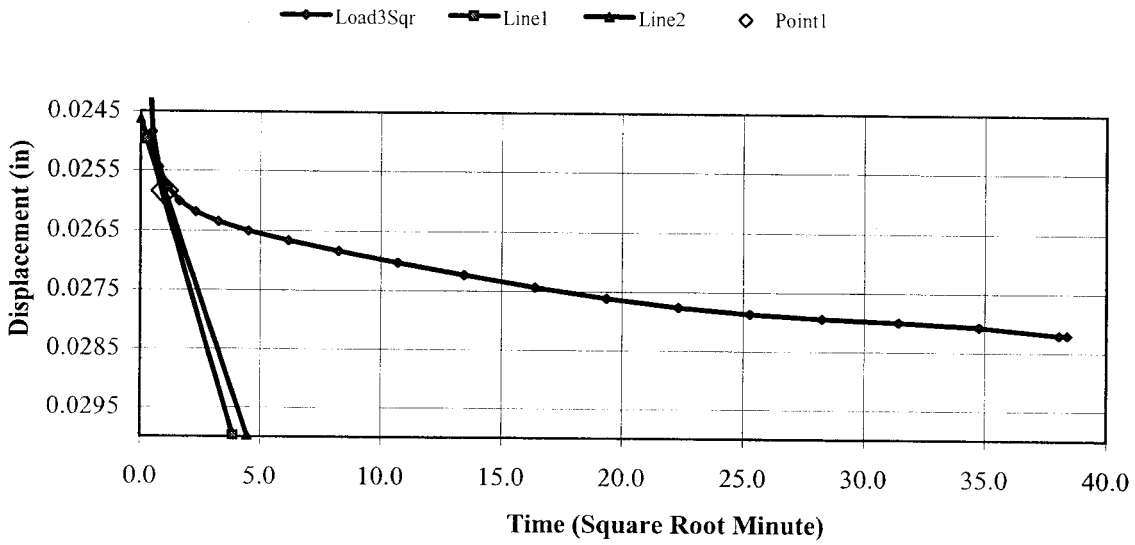
Soil Description: Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0209	0.0117	1.1700	0.7759
1	00:00:06	0.0250	0.0151	1.5100	0.7698
2	00:00:15	0.0256	0.0157	1.5700	0.7687
3	00:00:30	0.0257	0.0158	1.5800	0.7685
4	00:01:00	0.0258	0.0159	1.5900	0.7683
5	00:02:01	0.0262	0.0163	1.6300	0.7676
6	00:04:01	0.0263	0.0164	1.6400	0.7674
7	00:08:02	0.0264	0.0165	1.6500	0.7673
8	00:16:05	0.0265	0.0166	1.6600	0.7671
9	00:32:10	0.0266	0.0167	1.6700	0.7669
10	01:04:19	0.0270	0.0171	1.7100	0.7662
11	02:08:39	0.0271	0.0172	1.7200	0.7660
12	04:01:13	0.0272	0.0173	1.7300	0.7658
13	06:01:49	0.0278	0.0179	1.7900	0.7647
14	08:02:25	0.0279	0.0180	1.8000	0.7646
15	10:03:01	0.0279	0.0180	1.8000	0.7646
16	12:03:38	0.0279	0.0180	1.8000	0.7646
17	16:04:50	0.0280	0.0181	1.8100	0.7644
18	20:06:03	0.0280	0.0181	1.8100	0.7644
19	24:07:12	0.0282	0.0183	1.8300	0.7640
20	24:32:53	0.0282	0.0183	1.8300	0.7640

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP6 - S1B

Project Number: J62-110E
Test Date: 09/06/2007
Test Number: 06

Sample Number: 06
Date Sampled: 8/10/2007
Depth: NA
Sample Type: Undisturbed

Soil Description: Dark Brown Coarse Sand

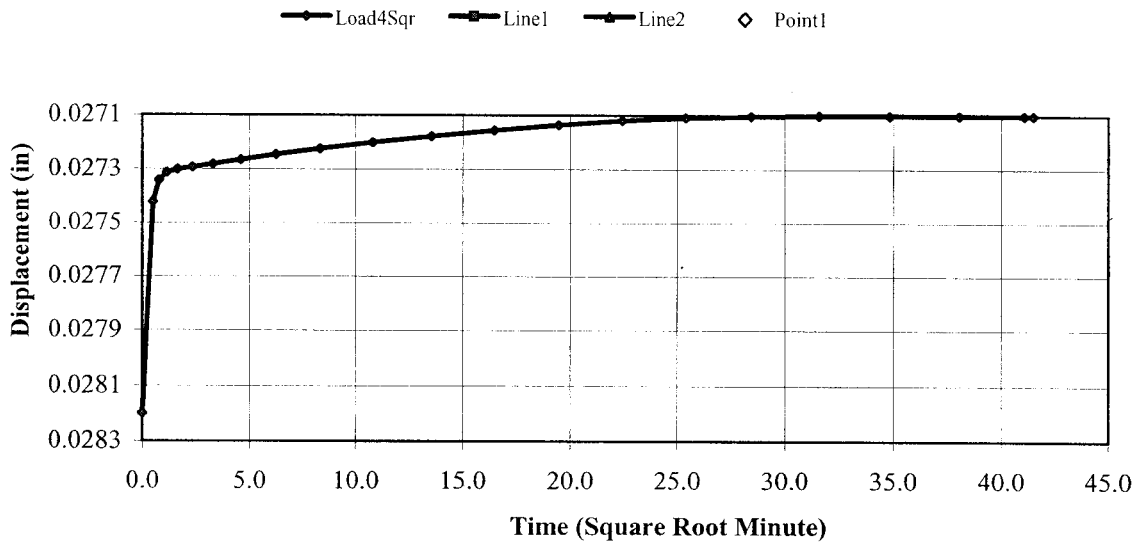
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0282	0.0183	1.8300	0.7640
1	00:00:06	0.0273	0.0180	1.8000	0.7646
2	00:00:15	0.0273	0.0180	1.8000	0.7646
3	00:00:30	0.0273	0.0180	1.8000	0.7646
4	00:01:00	0.0273	0.0180	1.8000	0.7646
5	00:02:00	0.0273	0.0180	1.8000	0.7646
6	00:04:00	0.0273	0.0180	1.8000	0.7646
7	00:08:01	0.0273	0.0180	1.8000	0.7646
8	00:16:02	0.0273	0.0180	1.8000	0.7646
9	00:32:05	0.0272	0.0179	1.7900	0.7647
10	01:04:09	0.0272	0.0179	1.7900	0.7647
11	02:08:19	0.0272	0.0179	1.7900	0.7647
12	04:00:36	0.0272	0.0179	1.7900	0.7647
13	06:01:01	0.0271	0.0178	1.7800	0.7649
14	08:01:38	0.0271	0.0178	1.7800	0.7649
15	10:02:14	0.0271	0.0178	1.7800	0.7649
16	12:02:50	0.0271	0.0178	1.7800	0.7649
17	16:04:03	0.0271	0.0178	1.7800	0.7649
18	20:05:15	0.0271	0.0178	1.7800	0.7649
19	24:06:28	0.0271	0.0178	1.7800	0.7649
20	28:07:40	0.0271	0.0178	1.7800	0.7649
21	28:43:25	0.0271	0.0178	1.7800	0.7649

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



SHELBY TUBE BULK DENSITY

Project: Pigg River Sediment
Client: FishAmerica
Project No: J62-110E

Sample No: 07
Location: DP7 - S1B
Date Sampled: 8/9/2007

Moisture Content	
Tare Number	**E-32**
wt. tare & wet sample (gm)	117.77
wt. tare & dry sample (gm)	102.09
wt. of Water (gm)	15.68
wt. of tare (gm)	31.35
wt. of dry sample (gm)	70.74
Water content (%)	**22.2**

Sample Dimensions (in.)	
Diameter 1	3.047
Diameter 2	3.047
Diameter 3	3.035
Avg. Diam.	**3.043**
Length 1	4.041
Length 2	4.011
Length 3	4.042
Avg. Length	**4.031**

Sample Weight	
Wt. Tube + Soil (g)	1092.67
Wt. of Tube (g)	148.35
Soil wt. (g)	944.32
Soil wt. (lbs.)	**2.082**
Volume (cu feet.)	**0.0170**

Porosity	0.402
Specific Gravity	2.6904
Void Ratio	0.671

Bulk Wet Density **122.7** **(pcf)**

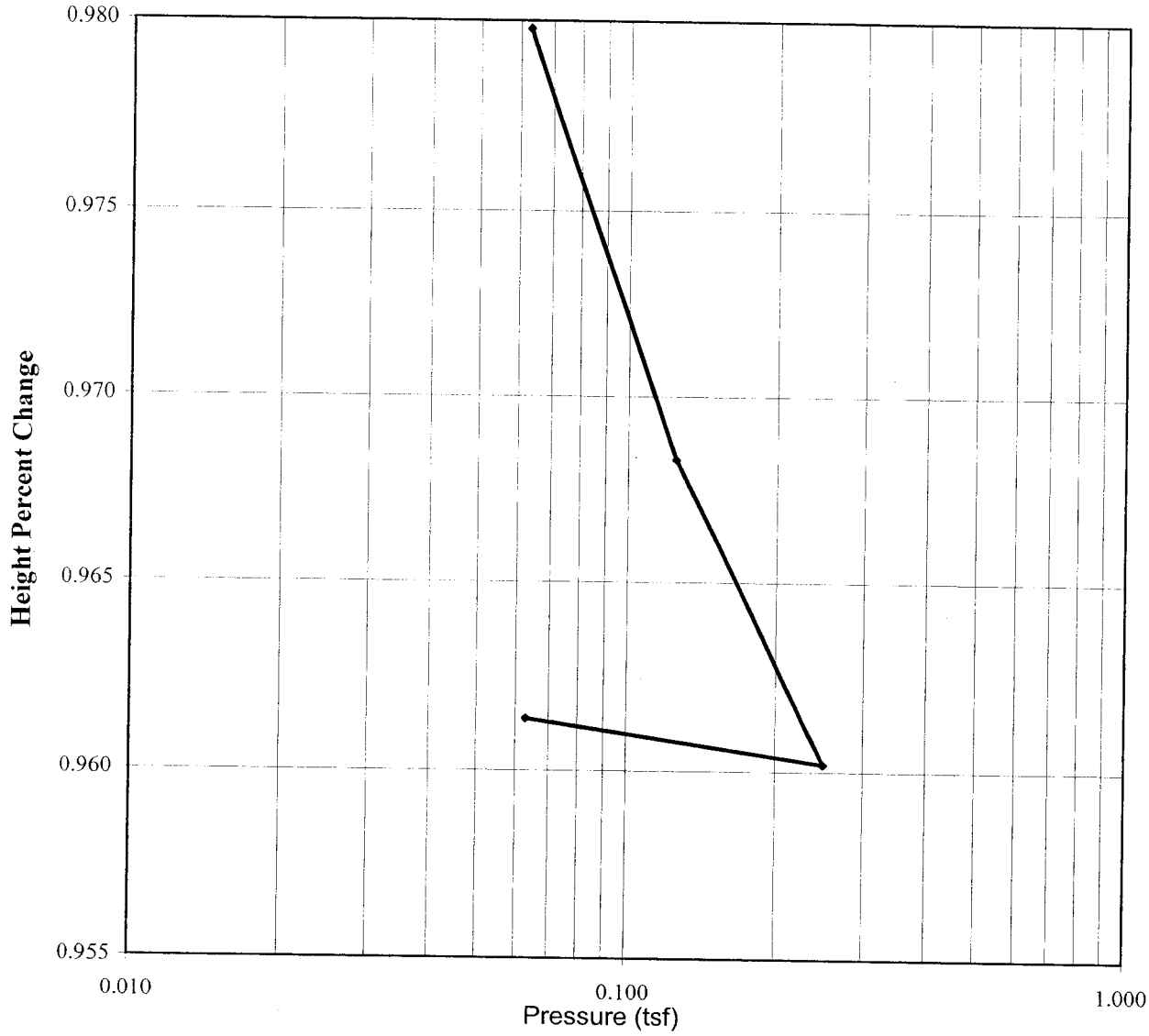
Bulk Dry Density **100.4** **(pcf)**

Visual Description: *Dark Brown Coarse Sand*

Performed By: Dave Jenks

Date: 9/11/2007

Consolidation Test
Test Results



	Before	After				
Moisture (%):	19.0	34.5	**Liquid Limits:**	0	**Test Date:**	09/11/2007
Dry Density (pcf):	93.6	90.4	**Plastic Limits:**	0		
Saturation (%):	64.3	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7926	0.7234	**Specific Gravity:**	2.690	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 07 **Date Sampled:** 8/9/2007

Project: Pigg River Sediment

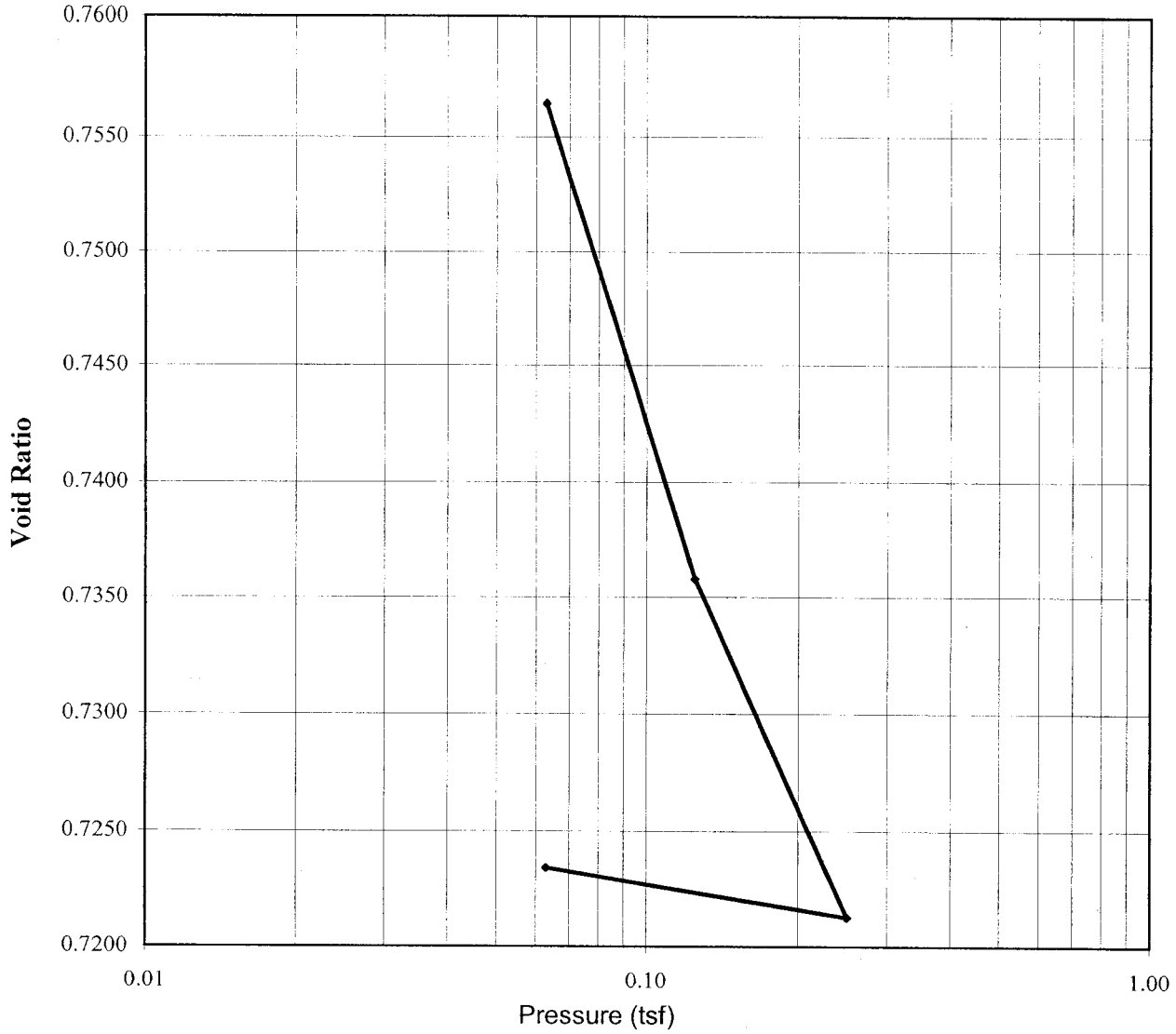
Client: FishAmerica

Location: DP7 - S1B

Remarks:

J62-110E (Pigg River - 07).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	19.0	34.5	**Liquid Limits:**	0	**Test Date:**	09/11/2007
Dry Density (pcf):	93.6	90.4	**Plastic Limits:**	0		
Saturation (%):	64.3	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7926	0.7234	**Specific Gravity:**	2.690	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 07 **Date Sampled:** 8/9/2007

Project: Pigg River Sediment

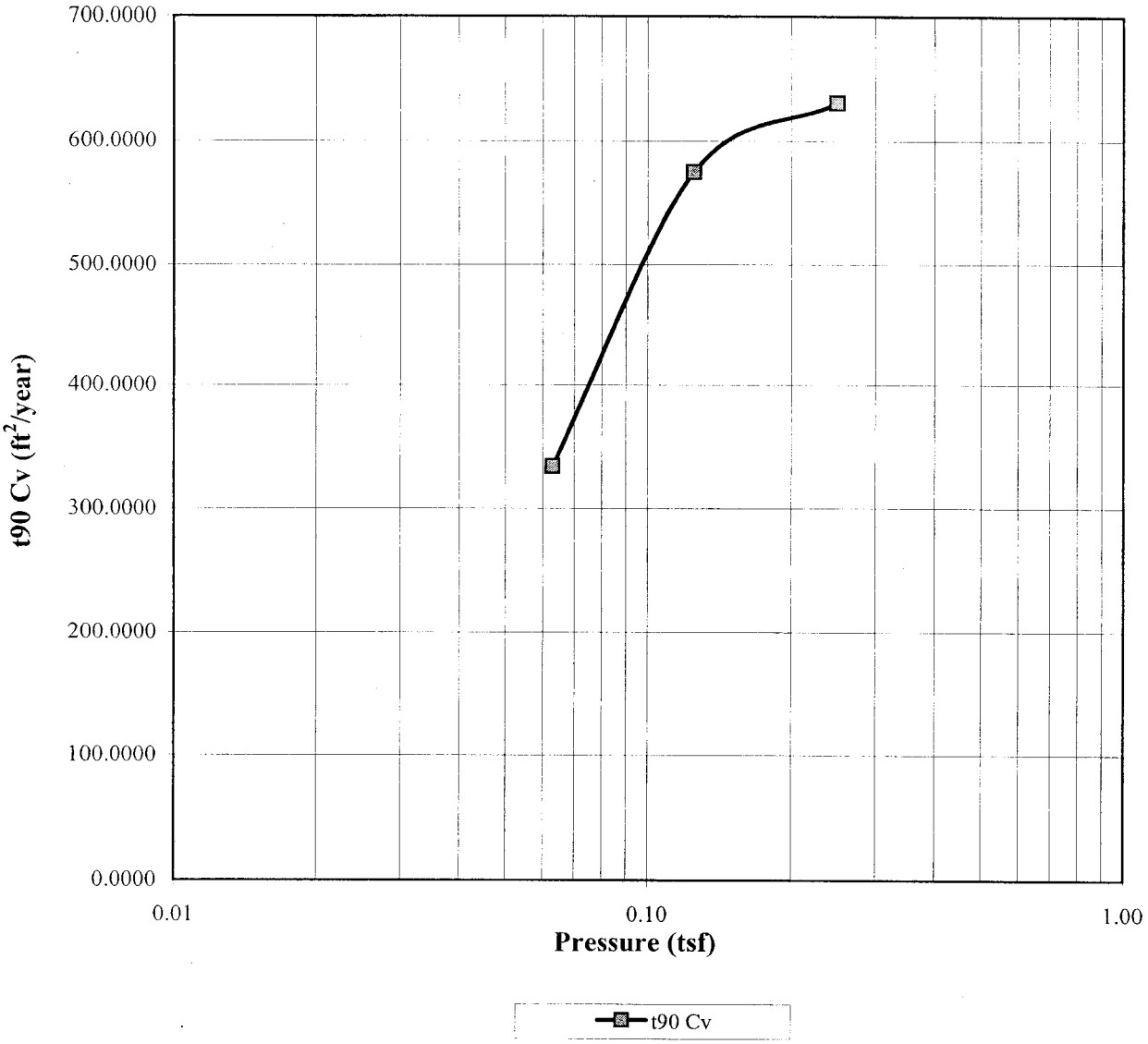
Client: FishAmerica

Location: DP7 - S1B

Remarks:

J62-110E (Pigg River - 07).HSD

Consolidation Test
Test Results



	Before	After				
Moisture (%):	19.0	34.5	**Liquid Limits:**	0	**Test Date:**	09/11/2007
Dry Density (pcf):	93.6	90.4	**Plastic Limits:**	0		
Saturation (%):	64.3	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7926	0.7234	**Specific Gravity:**	2.690	Measured	

Soil Description: Dark Brown Coarse Sand

Project Number: J62-110E **Depth:** NA

Sample Number: 07 **Date Sampled:** 8/9/2007

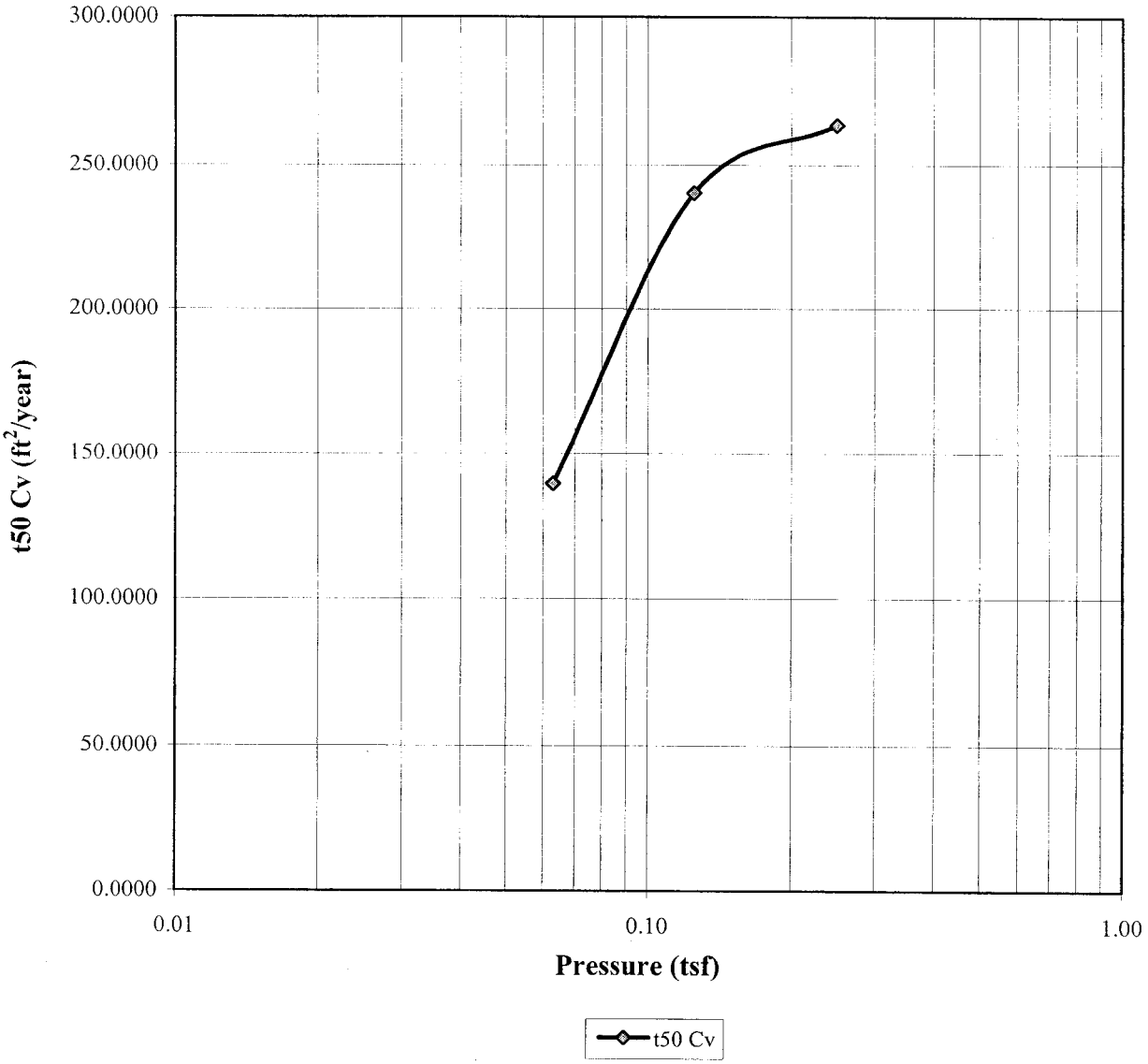
Project: Pigg River Sediment

Client: FishAmerica

Location: DP7 - S1B

Remarks:

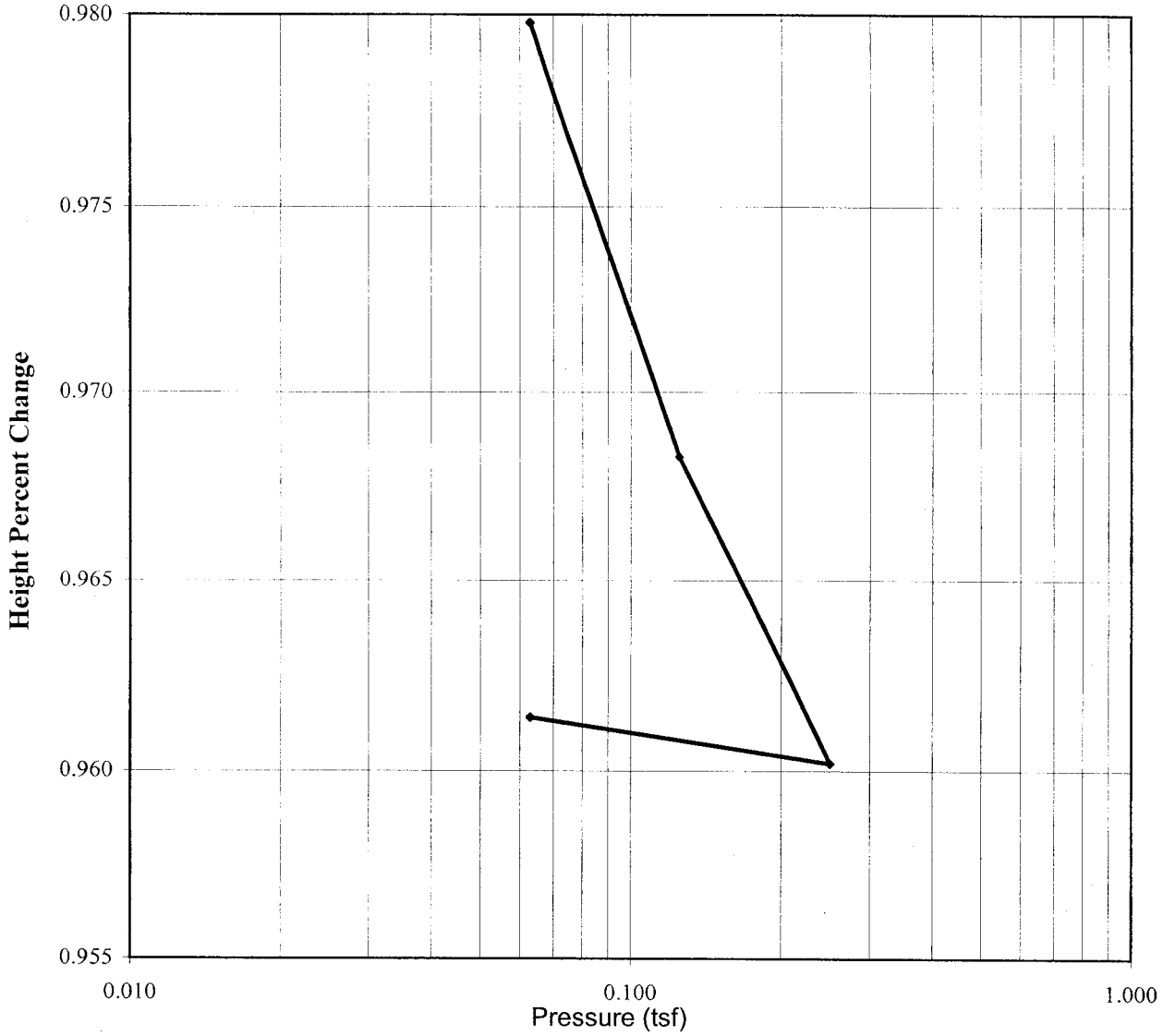
Consolidation Test
Test Results



	Before	After				
Moisture (%):	19.0	34.5	**Liquid Limits:**	0	**Test Date:**	09/11/2007
Dry Density (pcf):	93.6	90.4	**Plastic Limits:**	0		
Saturation (%):	64.3	100.0	**Plasticity Index:**	0		
Void Ratio:	0.7926	0.7234	**Specific Gravity:**	2.690	Measured	

Soil Description:	Dark Brown Coarse Sand			
Project Number:	J62-110E	**Depth:**	NA	**Remarks:**
Sample Number:	07	**Date Sampled:**	8/9/2007	
Project:	Pigg River Sediment			
Client:	FishAmerica			
Location:	DP7 - S1B			

Consolidation Test
Test Results



	Before	After				
			Liquid Limits:	0	**Test Date:**	09/11/2007
Moisture (%):	19.0	34.5	**Plastic Limits:**	0		
Dry Density (pcf):	93.6	90.4	**Plasticity Index:**	0		
Saturation (%):	64.3	100.0				
Void Ratio:	0.7926	0.7234	**Specific Gravity:**	2.690	Measured	

Soil Description:	Dark Brown Coarse Sand				
Project Number:	J62-110E	**Depth:**	NA	**Remarks:**	
Sample Number:	07	**Date Sampled:**	8/9/2007		
Project:	Pigg River Sediment				
Client:	FishAmerica				
Location:	DP7 - S1B				

Consolidation Test Results
Summary

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E

Specific Gravity: 2.690 Measured

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

Test Number: 07
Test Date: 09/11/2007

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	1.0000	0.4422	0.00	0.7926	0.000		0.000	
1	0.063	0.0202	0.9798	0.4220	2.02	0.7564	2.271		333.847	
2	0.125	0.0317	0.9683	0.4105	3.17	0.7358	1.278		574.652	
3	0.250	0.0398	0.9602	0.4024	3.98	0.7213	1.140		631.348	
4	0.063	0.0386	0.9614	0.4036	3.86	0.7234	0.000		0.000	

Tested By: Dave Jenks

Checked By:

Consolidation Test
Consolidation Specimen Information

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E
Test Date: 09/11/2007

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

Test Number:
Liquid Limit: 0
Plastic Limit: 0
Specific Gravity: 2.690 Measured

Initial Void Ratio: 0.7926
Plasticity Index: 0
Weight of Ring (g): 110.36

Initial Height (in): 1.0000
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	92.73	210.72
Dry Soil + Container (g)	80.65	172.10
Weight of Container (g)	17.07	60.06
Moisture Content (%)	19.0	34.5
Void Ratio	0.7926	0.7234
Saturation (%)	64.3	108.2
Dry Density (pcf)	93.6	90.4

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E
Test Date: 09/11/2007
Test Number: 07

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

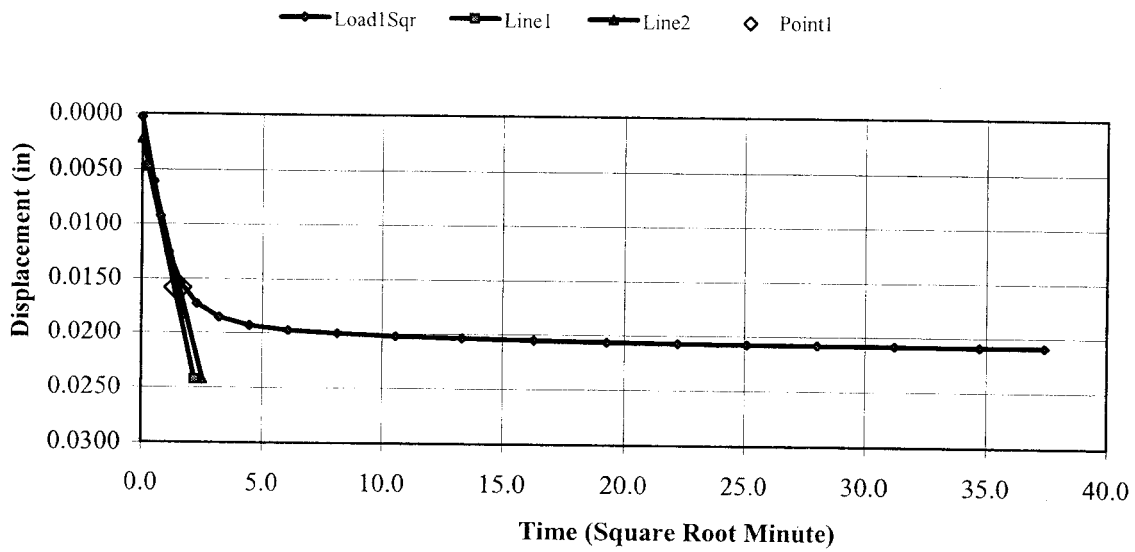
Soil Description:
Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0003	0.0000	0.0000	0.7926
1	00:00:06	0.0048	0.0041	0.4100	0.7853
2	00:00:15	0.0055	0.0048	0.4800	0.7840
3	00:00:30	0.0055	0.0048	0.4800	0.7840
4	00:01:00	0.0182	0.0175	1.7500	0.7612
5	00:02:00	0.0187	0.0180	1.8000	0.7603
6	00:04:01	0.0193	0.0186	1.8600	0.7593
7	00:08:02	0.0195	0.0188	1.8800	0.7589
8	00:16:05	0.0198	0.0191	1.9100	0.7584
9	00:32:10	0.0200	0.0193	1.9300	0.7580
10	01:04:19	0.0201	0.0194	1.9400	0.7578
11	02:08:39	0.0204	0.0197	1.9700	0.7573
12	04:01:12	0.0206	0.0199	1.9900	0.7569
13	06:01:49	0.0207	0.0200	2.0000	0.7568
14	08:02:25	0.0207	0.0200	2.0000	0.7568
15	10:03:01	0.0208	0.0201	2.0100	0.7566
16	12:03:37	0.0208	0.0201	2.0100	0.7566
17	16:04:50	0.0208	0.0201	2.0100	0.7566
18	20:06:02	0.0209	0.0202	2.0200	0.7564
19	23:18:58	0.0209	0.0202	2.0200	0.7564

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 1) Load 0.063 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E
Test Date: 09/11/2007
Test Number: 07

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

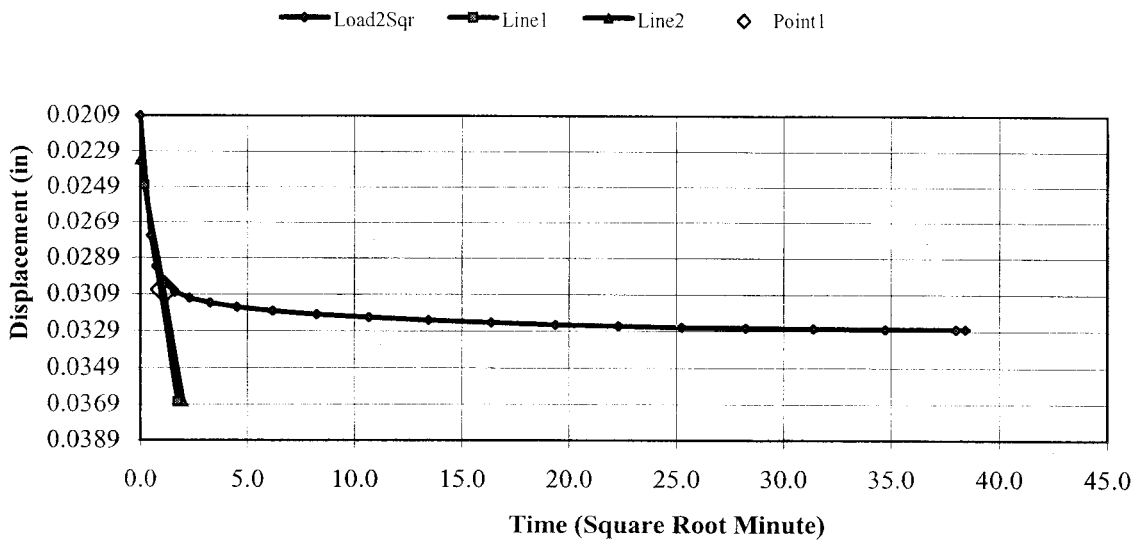
Soil Description:
Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0209	0.0202	2.0200	0.7564
1	00:00:06	0.0248	0.0237	2.3700	0.7501
2	00:00:15	0.0305	0.0294	2.9400	0.7399
3	00:00:30	0.0307	0.0296	2.9600	0.7396
4	00:01:00	0.0308	0.0297	2.9700	0.7394
5	00:02:00	0.0310	0.0299	2.9900	0.7390
6	00:04:01	0.0311	0.0300	3.0000	0.7388
7	00:08:02	0.0314	0.0303	3.0300	0.7383
8	00:16:03	0.0319	0.0308	3.0800	0.7374
9	00:32:06	0.0320	0.0309	3.0900	0.7372
10	01:04:12	0.0321	0.0310	3.1000	0.7370
11	02:08:24	0.0322	0.0311	3.1100	0.7369
12	04:00:44	0.0325	0.0314	3.1400	0.7363
13	06:01:06	0.0326	0.0315	3.1500	0.7361
14	08:01:28	0.0327	0.0316	3.1600	0.7360
15	10:01:49	0.0327	0.0316	3.1600	0.7360
16	12:02:11	0.0327	0.0316	3.1600	0.7360
17	16:02:55	0.0328	0.0317	3.1700	0.7358
18	20:03:39	0.0328	0.0317	3.1700	0.7358
19	24:04:22	0.0328	0.0317	3.1700	0.7358
20	24:37:52	0.0328	0.0317	3.1700	0.7358

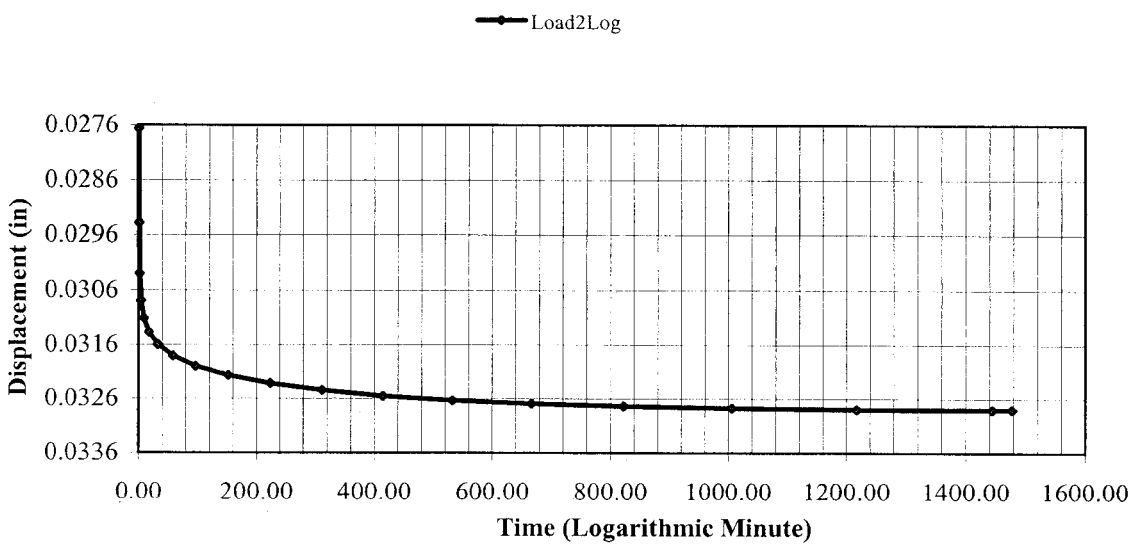
Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 2) Load 0.125 tsf

Consolidation Graph (Squareroot Time)



Consolidation Graph (Logarithmic Time)



Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E
Test Date: 09/11/2007
Test Number: 07

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

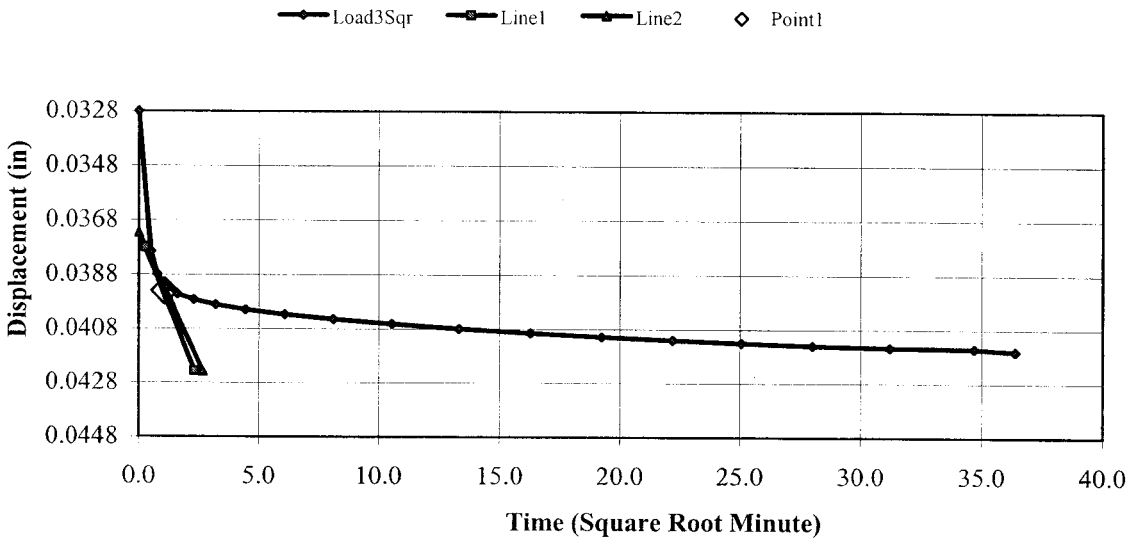
Soil Description: Dark Brown Coarse Sand

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0328	0.0317	3.1700	0.7358
1	00:00:06	0.0378	0.0360	3.6000	0.7281
2	00:00:15	0.0391	0.0373	3.7300	0.7257
3	00:00:30	0.0392	0.0374	3.7400	0.7256
4	00:01:00	0.0394	0.0376	3.7600	0.7252
5	00:02:00	0.0396	0.0378	3.7800	0.7249
6	00:04:01	0.0399	0.0381	3.8100	0.7243
7	00:08:01	0.0400	0.0382	3.8200	0.7241
8	00:16:03	0.0401	0.0383	3.8300	0.7240
9	00:32:06	0.0403	0.0385	3.8500	0.7236
10	01:04:11	0.0406	0.0388	3.8800	0.7231
11	02:08:23	0.0408	0.0390	3.9000	0.7227
12	04:00:43	0.0409	0.0391	3.9100	0.7225
13	06:01:05	0.0411	0.0393	3.9300	0.7222
14	08:01:27	0.0412	0.0394	3.9400	0.7220
15	10:01:49	0.0413	0.0395	3.9500	0.7218
16	12:02:11	0.0414	0.0396	3.9600	0.7216
17	16:02:55	0.0415	0.0397	3.9700	0.7214
18	20:03:40	0.0415	0.0397	3.9700	0.7214
19	22:04:41	0.0416	0.0398	3.9800	0.7213

Tested By: Dave Jenks
Checked By:

Consolidation Test Results
(Sequence 3) Load 0.250 tsf

Consolidation Graph (Squareroot Time)



Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Project: Pigg River Sediment
Client: FishAmerica
Location: DP7 - S1B

Project Number: J62-110E

Test Date: 09/11/2007
Test Number: 07

Sample Number: 07
Date Sampled: 8/9/2007
Depth: NA
Sample Type: Undisturbed

Soil Description:
Dark Brown Coarse Sand

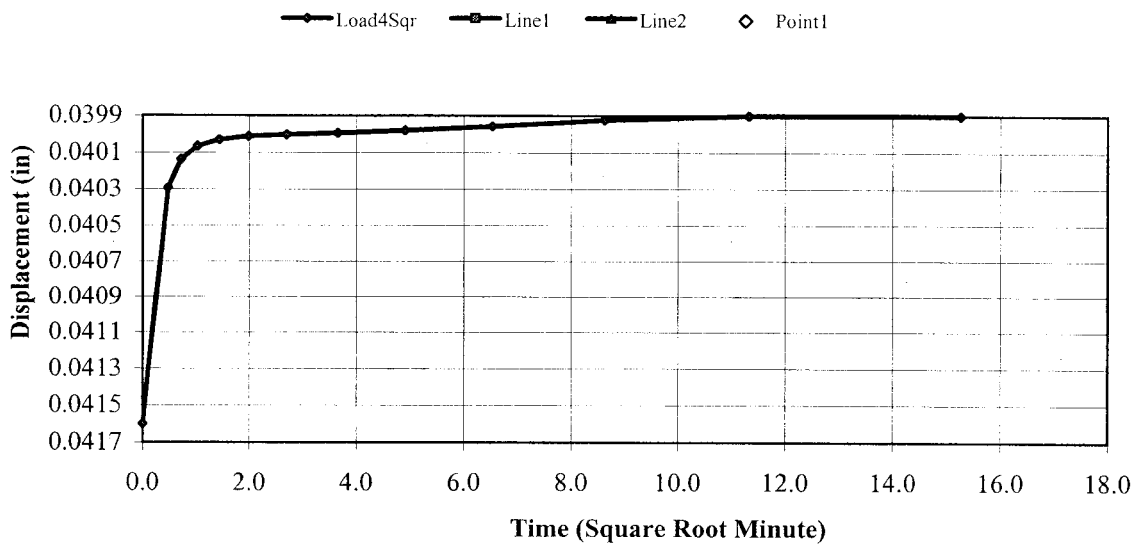
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0416	0.0398	3.9800	0.7213
1	00:00:06	0.0401	0.0388	3.8800	0.7231
2	00:00:15	0.0401	0.0388	3.8800	0.7231
3	00:00:30	0.0401	0.0388	3.8800	0.7231
4	00:01:01	0.0400	0.0387	3.8700	0.7232
5	00:02:01	0.0400	0.0387	3.8700	0.7232
6	00:04:01	0.0400	0.0387	3.8700	0.7232
7	00:08:02	0.0400	0.0387	3.8700	0.7232
8	00:16:03	0.0400	0.0387	3.8700	0.7232
9	00:32:06	0.0400	0.0387	3.8700	0.7232
10	01:04:12	0.0399	0.0386	3.8600	0.7234
11	02:08:24	0.0399	0.0386	3.8600	0.7234
12	03:53:02	0.0399	0.0386	3.8600	0.7234

Tested By: Dave Jenks

Checked By:

Consolidation Test Results
(Sequence 4) Rebound 0.063 tsf

Consolidation Graph (Squareroot Time)



Appendix K

Certificates of Analysis: Grain Size Distribution

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP1T-RC

Lab/Tare No: J36

Dry weight of sample: 243.9 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	83.0	34.0	83.0	34.0	**66.0**
5/8"	17.5	7.2	100.5	41.2	**58.8**
5/16"	69.4	28.5	169.9	69.7	**30.3**
3/8"	0.0	0.0	169.9	69.7	**30.3**
#4	30.2	12.4	200.1	82.0	**18.0**
#10	23.5	9.6	223.6	91.7	**8.3**
#20	10.0	4.1	233.6	95.8	**4.2**
#40	6.3	2.6	239.9	98.4	**1.6**
#60	2.3	0.9	242.2	99.3	**0.7**
#140	1.4	0.6	243.6	99.9	**0.1**
#200	0.2	0.1	243.8	100.0	**0.0**
Pan	0.0	0.0	243.8	100.0	**0.0**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP1T-RL

Lab/Tare No: J39

Dry weight of sample: 162.9 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	43.5	26.7	43.5	26.7	**73.3**
5/8"	8.8	5.4	52.3	32.1	**67.9**
5/16"	9.3	5.7	61.6	37.8	**62.2**
3/8"	7.2	4.4	68.8	42.2	**57.8**
#4	0.0	0.0	68.8	42.2	**57.8**
#10	5.0	3.1	73.8	45.3	**54.7**
#20	3.8	2.3	77.6	47.6	**52.4**
#40	7.6	4.7	85.2	52.3	**47.7**
#60	12.7	7.8	97.9	60.1	**39.9**
#140	45.2	27.7	143.1	87.8	**12.2**
#200	10.6	6.5	153.7	94.4	**5.6**
Pan	9.0	5.5	162.7	99.9	**0.1**

SINCE F&R 1881

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP1T-RR

Lab/Tare No: J42

Dry weight of sample: 120.6 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.1	0.1	0.1	0.1	**99.9**
#10	0.0	0.0	0.1	0.1	**99.9**
#20	0.4	0.3	0.5	0.4	**99.6**
#40	5.8	4.8	6.3	5.2	**94.8**
#60	22.6	18.7	28.9	24.0	**76.0**
#140	65.6	54.4	94.5	78.4	**21.6**
#200	13.4	11.1	107.9	89.5	**10.5**
Pan	12.5	10.4	120.4	99.8	**0.2**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP2T-RC

Lab/Tare No: J41

Dry weight of sample: 130.7 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.1	0.1	0.1	0.1	**99.9**
#10	0.3	0.2	0.4	0.3	**99.7**
#20	0.4	0.3	0.8	0.6	**99.4**
#40	20.2	15.5	21.0	16.1	**83.9**
#60	1.7	1.3	22.7	17.4	**82.6**
#140	2.4	1.8	25.1	19.2	**80.8**
#200	38.3	29.3	63.4	48.5	**51.5**
Pan	67.2	51.4	130.6	99.9	**0.1**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP2T-RL

Lab/Tare No: J30

Dry weight of sample: 87.9 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.0	0.0	0.0	0.0	**100.0**
#10	0.0	0.0	0.0	0.0	**100.0**
#20	0.3	0.3	0.3	0.3	**99.7**
#40	0.2	0.2	0.5	0.6	**99.4**
#60	12.2	13.9	12.7	14.4	**85.6**
#140	33.6	38.2	46.3	52.7	**47.3**
#200	9.8	11.1	56.1	63.8	**36.2**
Pan	31.7	36.1	87.8	99.9	**0.1**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP2T-RR

Lab/Tare No: J30

Size	Weight (g)	% Retained	Weight (g)	% Retained	Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.1	0.1	0.1	0.1	**99.9**
#10	0.8	0.7	0.9	0.8	**99.2**
#20	0.2	0.2	1.1	0.9	**99.1**
#40	1.5	1.3	2.6	2.2	**97.8**
#60	6.8	5.8	9.4	8.0	**92.0**
#140	12.0	10.3	21.4	18.3	**81.7**
#200	85.0	72.6	106.4	90.9	**9.1**
Pan	10.4	8.9	116.8	99.8	**0.2**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP3T-RC

Lab/Tare No: J29

Dry weight of sample: 116.4 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.4	0.3	0.4	0.3	**99.7**
#10	0.9	0.8	1.3	1.1	**98.9**
#20	15.4	13.2	16.7	14.3	**85.7**
#40	33.8	29.0	50.5	43.4	**56.6**
#60	13.3	11.4	63.8	54.8	**45.2**
18	6.4	5.5	70.2	60.3	**39.7**
8	28.0	24.1	98.2	84.4	**15.6**
Pan	18.0	15.5	116.2	99.8	**0.2**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP3T-RL

Lab/Tare No: J27

Dry weight of sample: 52.4 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.0	0.0	0.0	0.0	**100.0**
#10	0.0	0.0	0.0	0.0	**100.0**
#20	0.2	0.4	0.2	0.4	**99.6**
#40	13.9	26.5	14.1	26.9	**73.1**
#60	6.9	13.2	21.0	40.1	**59.9**
#140	10.6	20.2	31.6	60.3	**39.7**
#200	5.9	11.3	37.5	71.6	**28.4**
Pan	14.8	28.2	52.3	99.8	**0.2**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP3T-RR

Lab/Tare No: J28

Dry weight of sample: 86.5 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.3	0.3	0.3	0.3	**99.7**
#10	0.2	0.2	0.5	0.6	**99.4**
#20	0.1	0.1	0.6	0.7	**99.3**
#40	0.3	0.3	0.9	1.0	**99.0**
#60	2.0	2.3	2.9	3.4	**96.6**
#140	28.0	32.4	30.9	35.7	**64.3**
#200	11.3	13.1	42.2	48.8	**51.2**
Pan	44.1	51.0	86.3	99.8	**0.2**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP4T-RC

Lab/Tare No: J26

Dry weight of sample: 84.7 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	1.0	1.2	1.0	1.2	**98.8**
#10	3.1	3.7	4.1	4.8	**95.2**
#20	4.5	5.3	8.6	10.2	**89.8**
#40	15.7	18.5	24.3	28.7	**71.3**
#60	22.4	26.4	46.7	55.1	**44.9**
#140	27.3	32.2	74.0	87.4	**12.6**
#200	5.6	6.6	79.6	94.0	**6.0**
Pan	5.0	5.9	84.6	99.9	**0.1**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP4T-RL

Lab/Tare No: J24

Dry weight of sample: 91.3 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.6	0.7	0.6	0.7	**99.3**
#10	4.0	4.4	4.6	5.0	**95.0**
#20	3.5	3.8	8.1	8.9	**91.1**
#40	14.3	15.7	22.4	24.5	**75.5**
#60	23.2	25.4	45.6	49.9	**50.1**
#140	25.1	27.5	70.7	77.4	**22.6**
#200	8.2	9.0	78.9	86.4	**13.6**
Pan	12.2	13.4	91.1	99.8	**0.2**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP4T-RR

Lab/Tare No: J25

Dry weight of sample: 98.3 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.8	0.8	0.8	0.8	**99.2**
#10	3.0	3.1	3.8	3.9	**96.1**
#20	4.2	4.3	8.0	8.1	**91.9**
#40	16.4	16.7	24.4	24.8	**75.2**
#60	21.3	21.7	45.7	46.5	**53.5**
#140	26.4	26.9	72.1	73.3	**26.7**
#200	16.0	16.3	88.1	89.6	**10.4**
Pan	10.2	10.4	98.3	100.0	**0.0**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP5T-RC

Lab/Tare No: J23

Dry weight of sample: 122.2 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.2	0.2	0.2	0.2	**99.8**
#10	1.1	0.9	1.3	1.1	**98.9**
#20	7.6	6.2	8.9	7.3	**92.7**
#40	31.6	25.9	40.5	33.1	**66.9**
#60	49.5	40.5	90.0	73.6	**26.4**
#140	29.5	24.1	119.5	97.8	**2.2**
#200	1.1	0.9	120.6	98.7	**1.3**
Pan	1.3	1.1	121.9	99.8	**0.2**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP5T-RL

Lab/Tare No: J21

Dry weight of sample: 125.5 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.0	0.0	0.0	0.0	**100.0**
#10	0.0	0.0	0.0	0.0	**100.0**
#20	2.8	2.2	2.8	2.2	**97.8**
#40	12.5	10.0	15.3	12.2	**87.8**
#60	35.7	28.4	51.0	40.6	**59.4**
#140	59.6	47.5	110.6	88.1	**11.9**
#200	7.0	5.6	117.6	93.7	**6.3**
Pan	7.6	6.1	125.2	99.8	**0.2**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP5T-RR

Lab/Tare No: J22

Dry weight of sample: 131.5 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	0.0	0.0	0.0	0.0	**100.0**
#10	17.2	13.1	17.2	13.1	**86.9**
#20	46.2	35.1	63.4	48.2	**51.8**
#40	29.6	22.5	93.0	70.7	**29.3**
#60	10.2	7.8	103.2	78.5	**21.5**
#140	10.6	8.1	113.8	86.5	**13.5**
#200	7.0	5.3	120.8	91.9	**8.1**
Pan	10.6	8.1	131.4	99.9	**0.1**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP6T-RC

Lab/Tare No: J20

Dry weight of sample: 123.6 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	1.1	0.9	1.1	0.9	**99.1**
#4	3.2	2.6	4.3	3.5	**96.5**
#10	6.4	5.2	10.7	8.7	**91.3**
#20	21.4	17.3	32.1	26.0	**74.0**
#40	28.0	22.7	60.1	48.6	**51.4**
#60	30.6	24.8	90.7	73.4	**26.6**
#140	28.9	23.4	119.6	96.8	**3.2**
#200	1.6	1.3	121.2	98.1	**1.9**
Pan	2.4	1.9	123.6	100.0	**0.0**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP6T-RR

Lab/Tare No: J19

Dry weight of sample: 137.4 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	5.0	3.6	5.0	3.6	**96.4**
#10	6.2	4.5	11.2	8.2	**91.8**
#20	7.8	5.7	19.0	13.8	**86.2**
#40	13.4	9.8	32.4	23.6	**76.4**
#60	25.0	18.2	57.4	41.8	**58.2**
#140	54.8	39.9	112.2	81.7	**18.3**
#200	11.9	8.7	124.1	90.3	**9.7**
Pan	13.0	9.5	137.1	99.8	**0.2**

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REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP6T-RL

Lab/Tare No: J18

Dry weight of sample: 111.4 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	0.0	0.0	0.0	0.0	**100.0**
#4	1.4	1.3	1.4	1.3	**98.7**
#10	1.1	1.0	2.5	2.2	**97.8**
#20	2.8	2.5	5.3	4.8	**95.2**
#40	17.5	15.7	22.8	20.5	**79.5**
#60	32.9	29.5	55.7	50.0	**50.0**
#140	47.5	42.6	103.2	92.6	**7.4**
#200	4.5	4.0	107.7	96.7	**3.3**
Pan	3.5	3.1	111.2	99.8	**0.2**

SINCE F&R 1881

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP7T-RC

Lab/Tare No: J17

Dry weight of sample: 118.6 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.0	0.0	0.0	0.0	**100.0**
3/8"	9.8	8.3	9.8	8.3	**91.7**
#4	4.7	4.0	14.5	12.2	**87.8**
#10	9.5	8.0	24.0	20.2	**79.8**
#20	17.4	14.7	41.4	34.9	**65.1**
#40	28.2	23.8	69.6	58.7	**41.3**
#60	28.5	24.0	98.1	82.7	**17.3**
#140	16.4	13.8	114.5	96.5	**3.5**
#200	1.3	1.1	115.8	97.6	**2.4**
Pan	2.7	2.3	118.5	99.9	**0.1**

SINCE F&R 1881

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP7T-RR

Lab/Tare No: J16

Dry weight of sample: 130.7 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	0.9	0.7	0.9	0.7	**99.3**
3/8"	0.0	0.0	0.9	0.7	**99.3**
#4	0.0	0.0	0.9	0.7	**99.3**
#10	1.0	0.8	1.9	1.5	**98.5**
#20	2.5	1.9	4.4	3.4	**96.6**
#40	16.3	12.5	20.7	15.8	**84.2**
#60	39.5	30.2	60.2	46.1	**53.9**
#140	7.8	6.0	68.0	52.0	**48.0**
#200	30.1	23.0	98.1	75.1	**24.9**
Pan	32.5	24.9	130.6	99.9	**0.1**

REPORT OF LABORATORY- QUALITY TESTS ON SOILS
SIEVE ANALYSIS ASTM D422

Made for: FishAmerica Foundation

Project: Pigg River Sediment Sampling and Analysis Study

Record No: J62-110E

Sample No: DP7T-RL

Lab/Tare No: J15

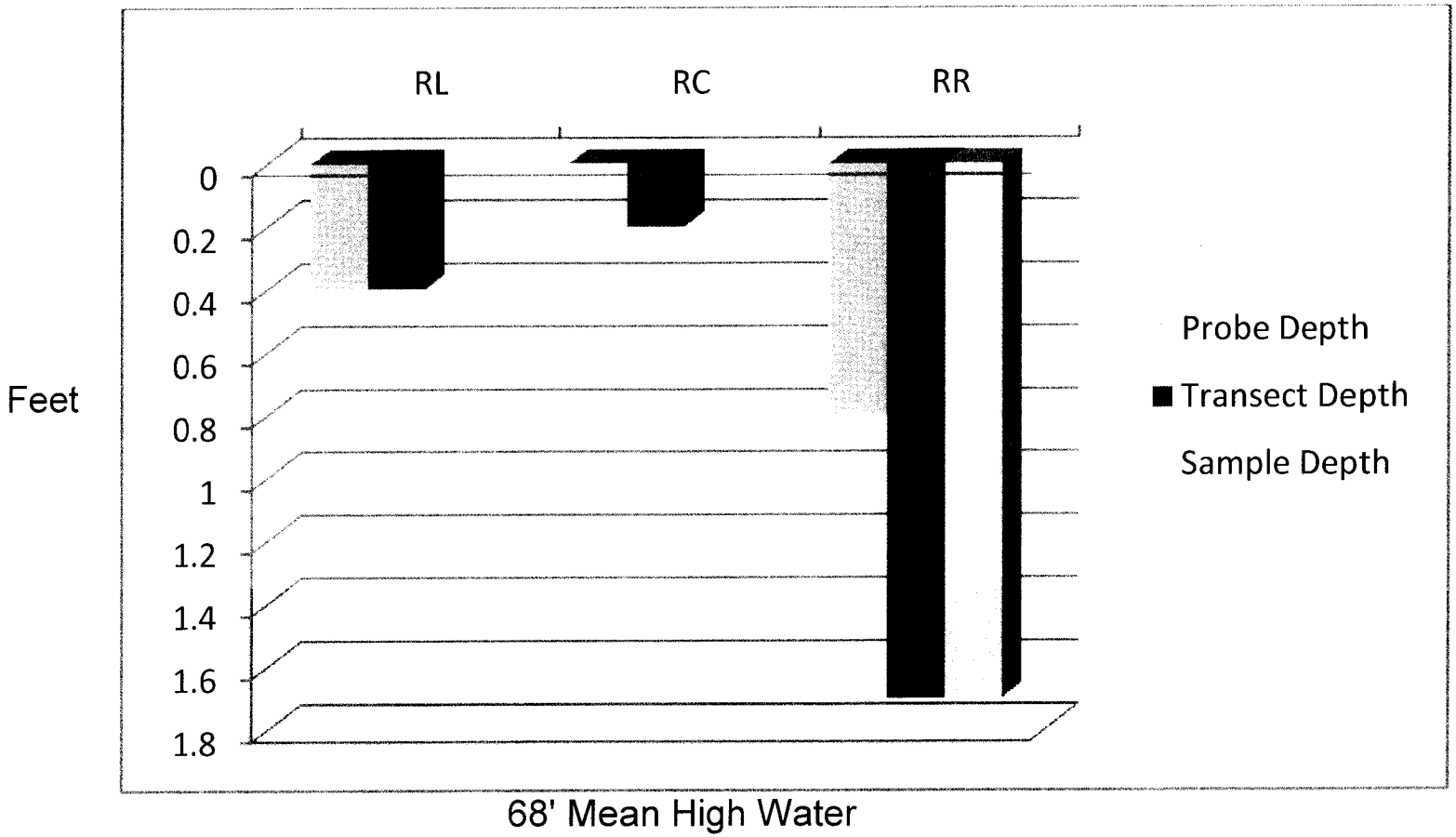
Dry weight of sample: 122.5 grams

Sieve Size	Individual Weight (g)	Individual % Retained	Accumulative Weight (g)	Accumulative % Retained	Percent Passing
1.25"	0.0	0.0	0.0	0.0	**100.0**
3/4"	0.0	0.0	0.0	0.0	**100.0**
5/8"	0.0	0.0	0.0	0.0	**100.0**
5/16"	1.0	0.8	1.0	0.8	**99.2**
3/8"	1.0	0.8	2.0	1.6	**98.4**
#4	0.0	0.0	2.0	1.6	**98.4**
#10	10.0	8.2	12.0	9.8	**90.2**
#20	15.1	12.3	27.1	22.1	**77.9**
#40	24.6	20.1	51.7	42.2	**57.8**
#60	32.9	26.9	84.6	69.1	**30.9**
#140	29.8	24.3	114.4	93.4	**6.6**
#200	3.1	2.5	117.5	95.9	**4.1**
Pan	4.9	4.0	122.4	99.9	**0.1**

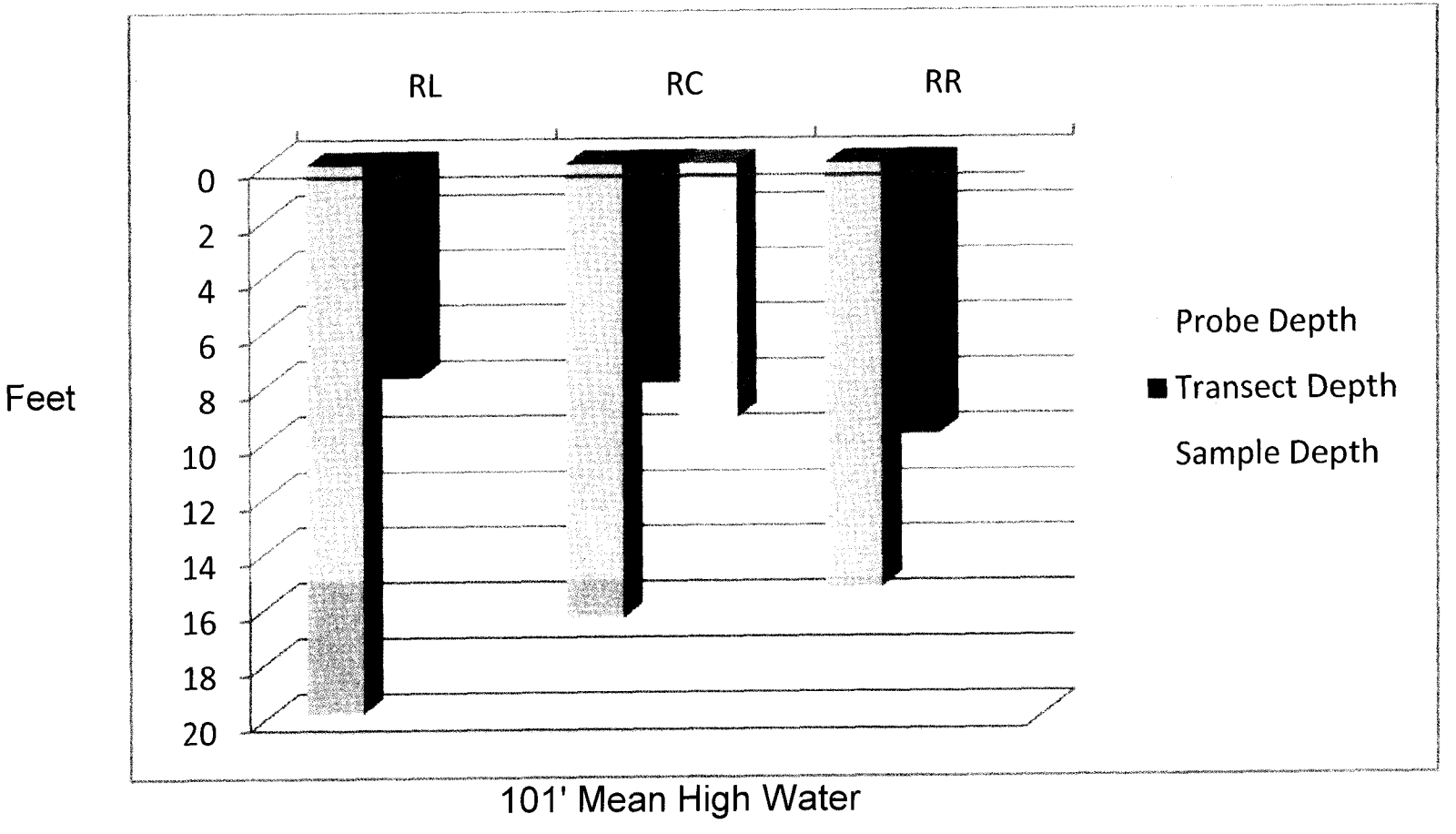
Appendix L

Data Point Sample and Soil Probe Depth Bar Graphs

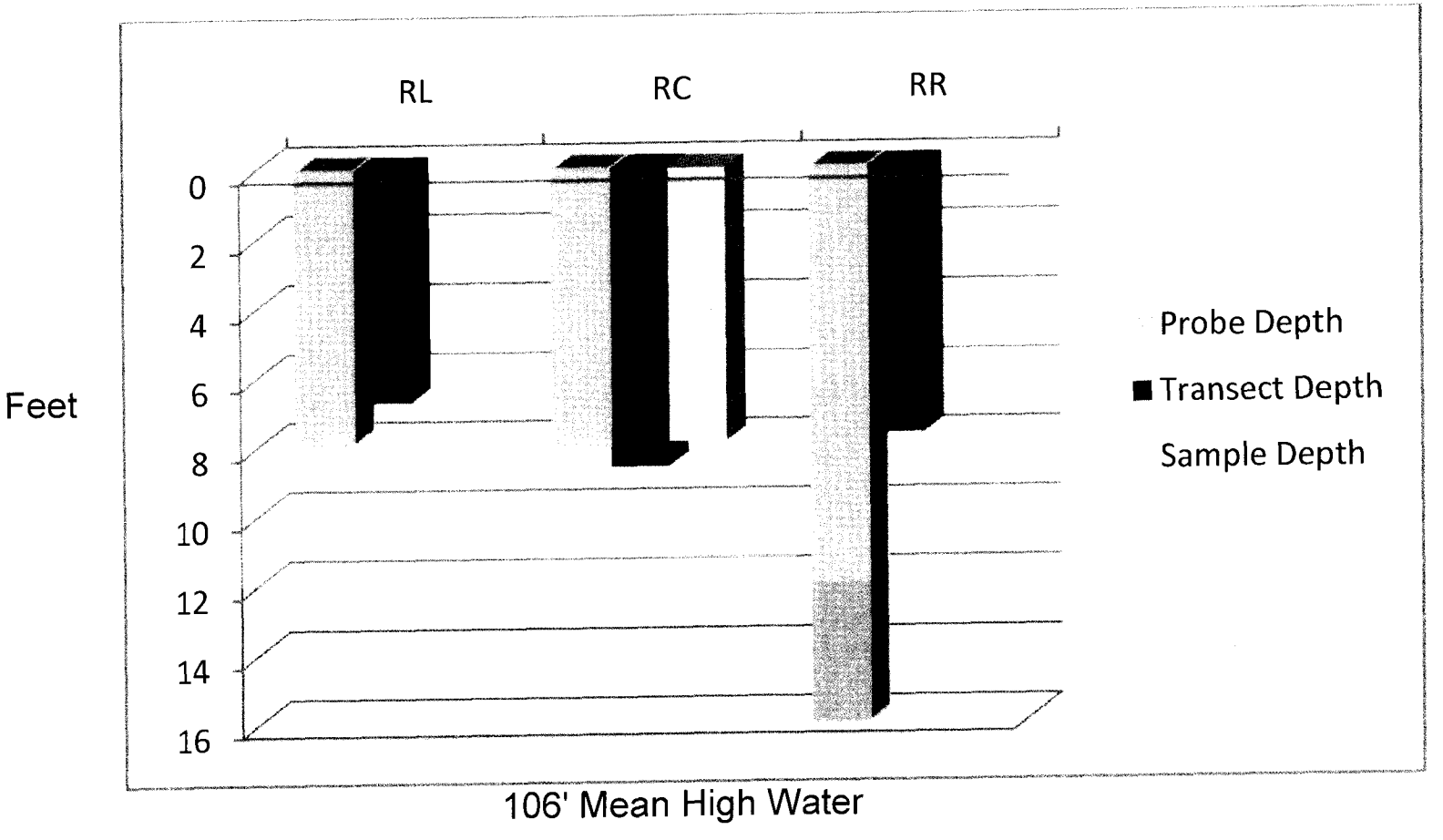
Data Point 1


RL
RC
RR
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
Feet
Probe Depth
Transect Depth
Sample Depth
68' Mean High Water

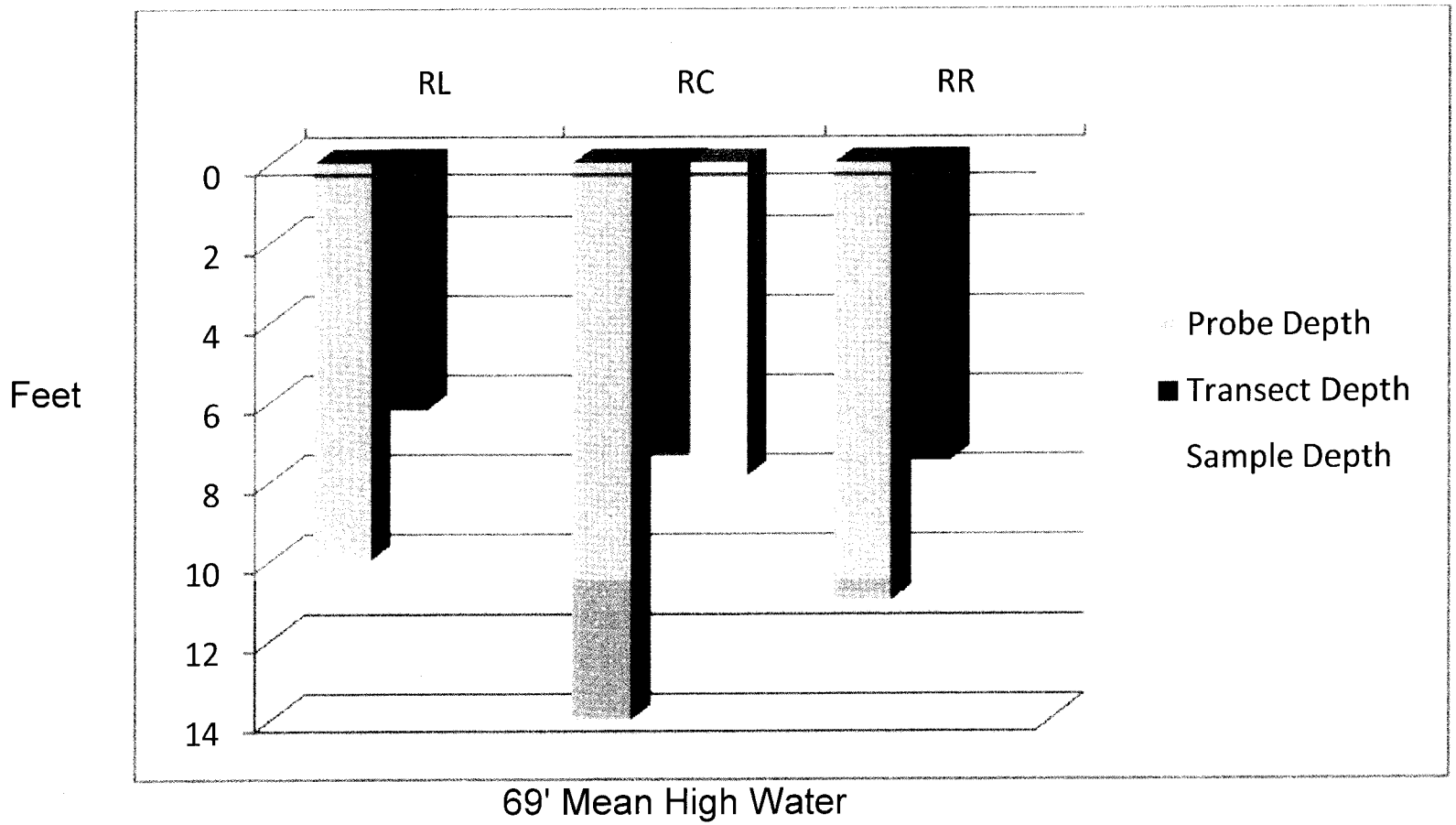
Data Point 2


RL
RC
RR
Feet
0
2
4
6
8
10
12
14
16
18
20
Probe Depth
Transect Depth
Sample Depth
101' Mean High Water

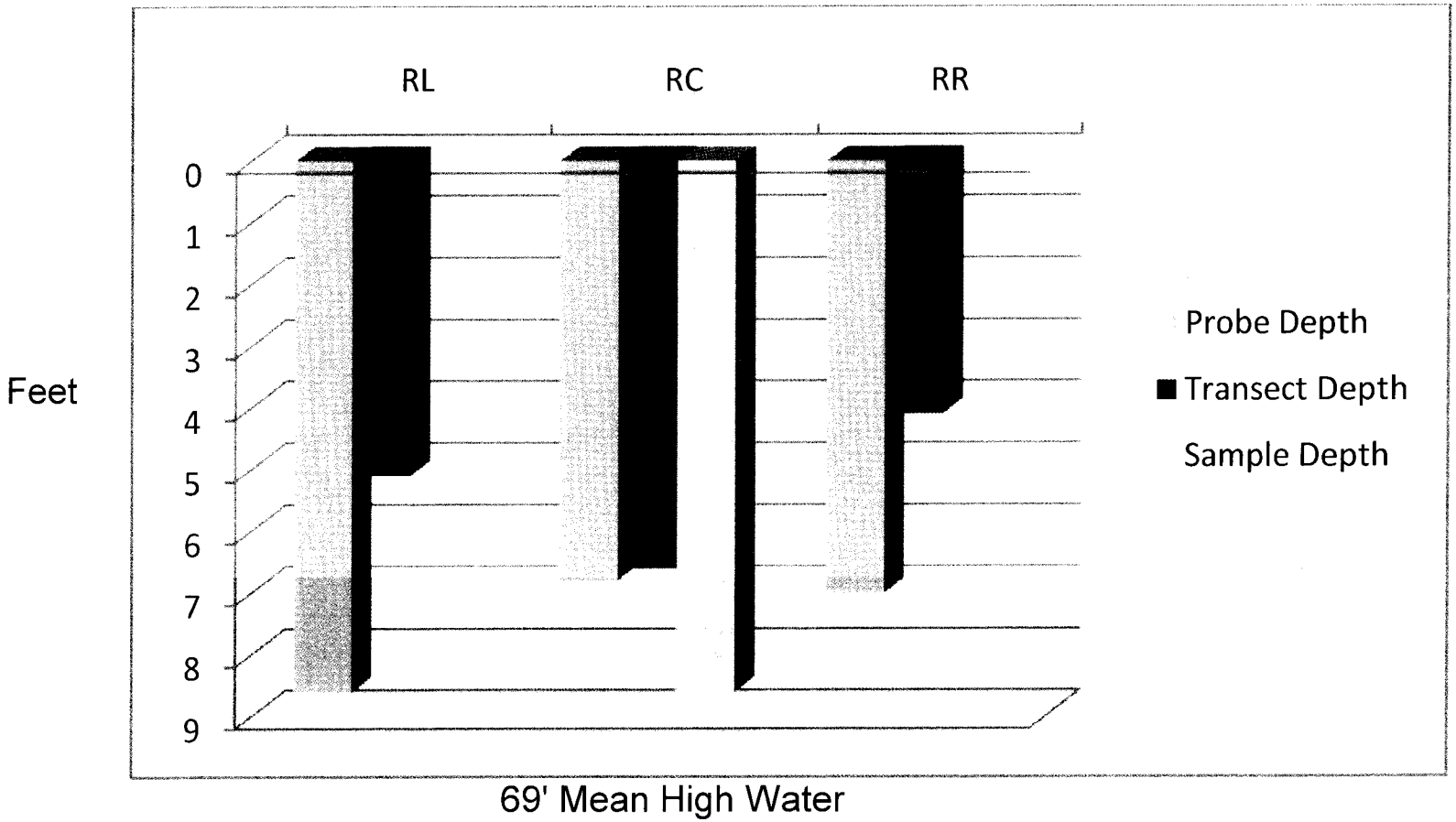
Data Point 3


RL
RC
RR
Feet
0
2
4
6
8
10
12
14
16
Probe Depth
Transect Depth
Sample Depth
106' Mean High Water

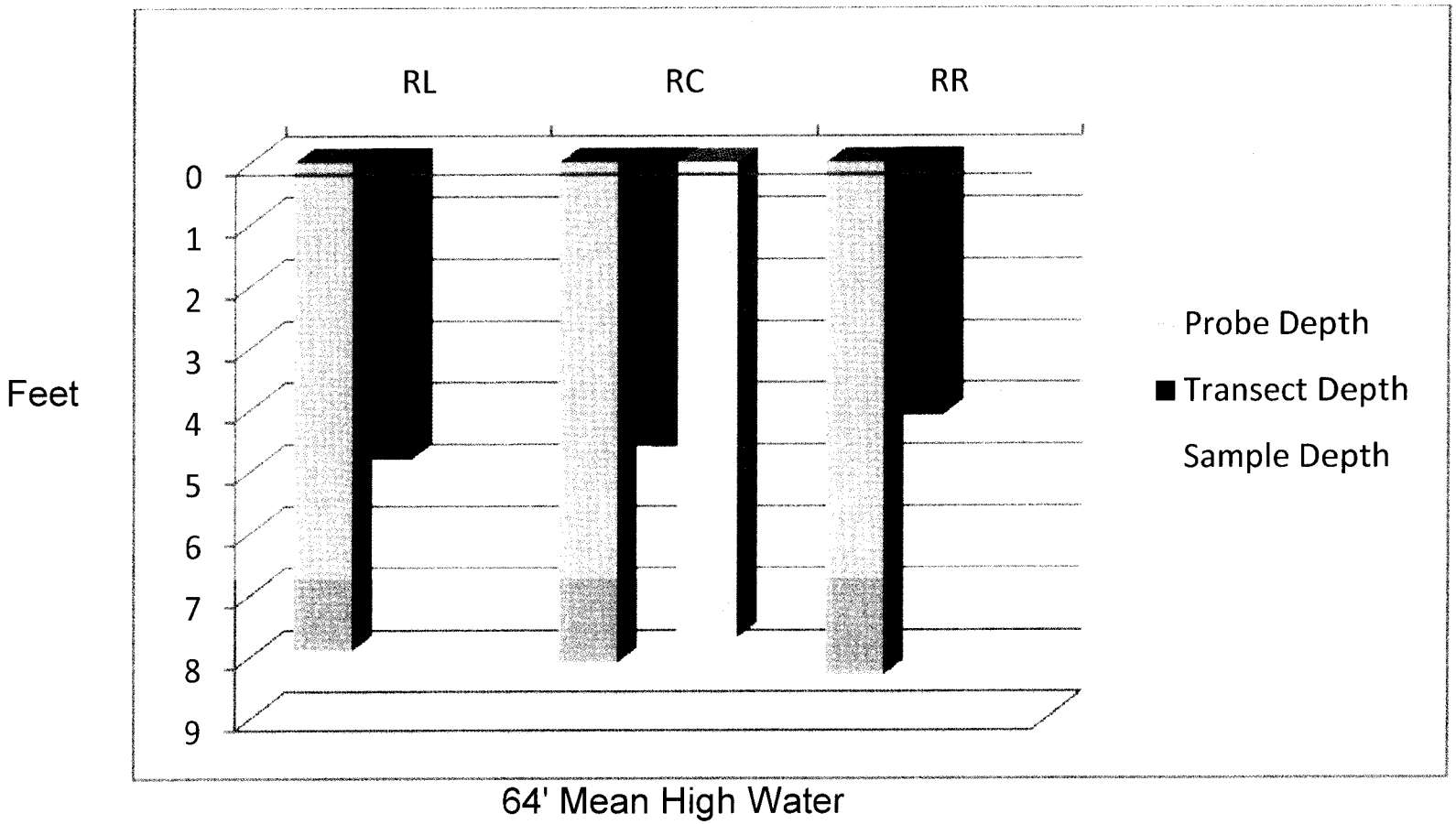
Data Point 4


RL
RC
RR
Feet
0
2
4
6
8
10
12
14
Probe Depth
Transect Depth
Sample Depth
69' Mean High Water

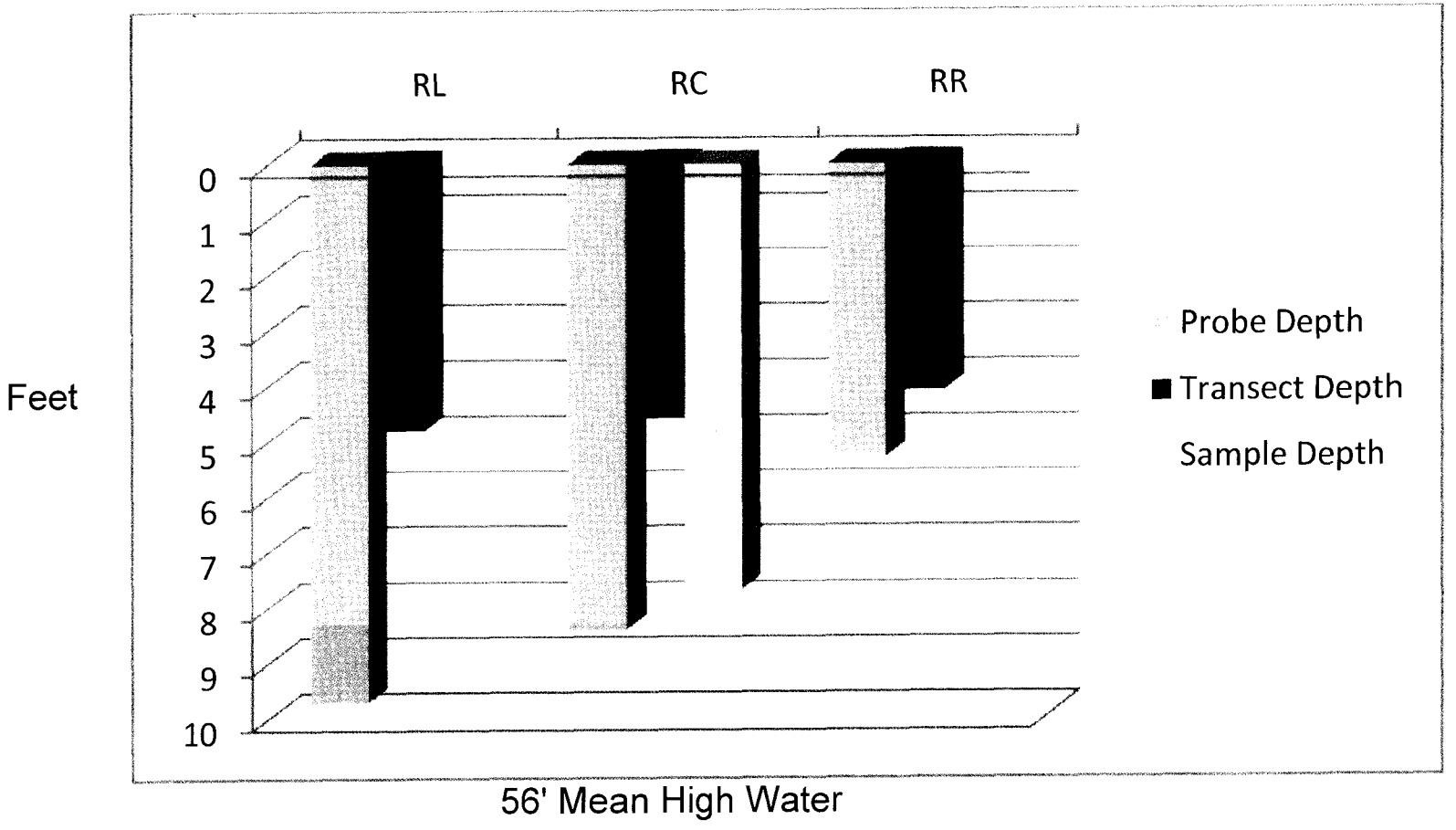
Data Point 5


RL
RC
RR
Feet
0
1
2
3
4
5
6
7
8
9
Probe Depth
Transect Depth
Sample Depth
69' Mean High Water

Data Point 6


RL
RC
RR
Feet
0
1
2
3
4
5
6
7
8
9
Probe Depth
Transect Depth
Sample Depth
64' Mean High Water

Data Point 7


RL
RC
RR
Feet
0
1
2
3
4
5
6
7
8
9
10
Probe Depth
Transect Depth
Sample Depth
56' Mean High Water