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Environmental
Resources
Management

399 Boylston Street, 6th Floor
Boston, MA 02116
(617) 646-7800
(617) 267-6447 (fax)

http://www.erm.com

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Massachusetts Department of Environmental Protection
DEP Western Region
436 Dwight Street
Suite 402
Springfield, MA 01103

Attention: Mr. David Howland

Subject: Addendum to the Phase II Comprehensive Site Assessment Report, RTN 1-13411

Dear Mr. Howland:

On behalf of Yankee Atomic Electric Company (YAEC), Environmental Resources Management (ERM) is pleased to submit this letter report as an addendum to the Phase II Comprehensive Site Assessment (Phase II) Report for the Yankee Nuclear Power Station (YNPS) in Rowe, Massachusetts. This letter report was prepared at the request of the Massachusetts Department of Environmental Protection (MA DEP) to provide additional analytical data and respond to comments on the Supplemental Phase II, dated 21 September 2006.

BACKGROUND

The YNPS was located on an approximately 1,800-acre property at 49 Yankee Road in Rowe, Massachusetts (Figure 1). YAEC, owner and operator of YNPS, ceased commercial power generation activities in 1992. Physical plant decommissioning and site restoration was completed in 2006. Monitoring and reporting in support of final site closure continues.

On behalf of YAEC and in coordination with Gradient Corporation (Gradient), Radiation Safety Control Services (RSCS) and C.N. Associates, ERM prepared a Phase II Comprehensive Site Assessment (Phase II) Report for the YNPS site, dated 28 January 2005. The report presented site monitoring data generated in support of site decommissioning through December 2004 and summarized the following:

- Likely and known sources of release of radioactivity, oil and/or hazardous materials (OHM) to the environment.
- YAEC's rationale for selection of radioactive/OHM constituents/contaminants of concern and areas/media targeted for investigation.
- Results of investigation and testing to identify the nature and extent of contamination in potentially affected media (soil, groundwater, surface water, sediment, air, fish and food stocks such as syrup and milk).
- Ongoing/scheduled investigations and/or remedial actions.

The MA DEP issued a letter dated 7 October 2005 providing approval of the Phase II Report subject to conditions including requirements to conduct additional sampling of soil, groundwater, sediment, surface water and fish, along with requests for other information related to the nature and extent of impacts at YNPS.

YAEC completed a series of investigations in 2005 and 2006 to address MA DEP requirements for completion of the Phase II. Results of these investigations were summarized in the Supplemental Phase II Report dated 21 September 2006. MA DEP and US Environmental Protection Agency (EPA) provided comments to YAEC on the Supplemental Phase II during a meeting on 12 October 2006 requiring the collection of additional data to complete the Phase II. This letter report summarizes additional data collected to complete the Phase II.

PURPOSE & SCOPE

The purpose of this addendum letter report is to present data collected to satisfy additional data requirements to complete the Phase II. In addition, this addendum includes responses to specific comments made by MA DEP and US EPA at the 12 October 2006 meeting. This addendum was prepared by ERM in coordination with YAEC and Gradient.

This addendum is submitted in partial fulfillment of the requirements of the Massachusetts Contingency Plan (MCP), Code of Massachusetts Regulations (310 CMR 40.0000) for a Phase II Report pursuant to 310 CMR

40.0883. A Risk Characterization will be submitted under a separate cover to meet final requirements for completion of the Phase II.

SUMMARY OF ADDITIONAL PHASE II ACTIVITIES

Groundwater

Since the submittal of the Supplemental Phase II in September 2006, quarterly groundwater sampling has been conducted utilizing the existing monitoring well network for both non-radiological and radiological contaminants. Monitoring well information and locations are provided in the Supplemental Phase II.

Fish Sampling

After the submittal of the Supplemental Phase II, the following fish samples were collected in accordance with the Fish Field Sampling Plan, dated October 2006 (approved by MA DEP via e-mail on 26 October 2006):

- A total of nine fish samples were collected from Harriman Reservoir, Sherman Reservoir, and the Deerfield River for laboratory analysis of:
  - Polychlorinated biphenyls (PCBs) by SW-846 Method 8082PCBs
  - PCBs by congener analysis Method 1668A

- A total of 14 fish samples were collected from Harriman Reservoir, Sherman Reservoir, and the Deerfield River for laboratory analysis of:
  - priority pollutant metals plus boron and lithium
  - total uranium
  - tritium
  - Hard-To-Detect (HTD) radionuclides
  - gamma spectroscopy

Fish sample locations are presented in Figure 1. During the fish sampling program, sampling crews were not able to collect the required mass of fish for all the proposed analyses. Therefore, the following approach was

adopted for the inorganic and radiological analyses to ensure that all of the analyses could be performed:

- Harriman Reservoir: The fillets from FH-01 were analyzed on a per species basis. Then the remaining fillet from FH-01 was combined with the offal of FH-01 and the entire fish from FH-02 to perform the whole fish analyses.
- Sherman Reservoir: The fillets from FH-11 were analyzed on a per species basis. Then the remaining fillet from FH-11 was combined with the offal of FH-11 and the entire fish from FH-12 to perform the whole fish analyses.
- Deerfield River: Only Brown Trout were obtained from the Deerfield River. Therefore, the fillets from FH-21 and FH-22 were combined and analyzed. Then the offal from FH-21 and FH-22 were combined and analyzed separately.

Modifications to the fish sample preparation protocol necessary to meet sample volume requirements are judged to not adversely impact the quality of the analytical data. The Harriman Reservoir and Sherman Reservoir data will be evaluated as reported by the laboratory. The Deerfield River whole fish sample results will be calculated as a weighted average of the fillet and offal results.

Sediment Sampling

The following sediment samples were collected in response to MA DEP and EPA comments:

- Four sediment samples were collected from downriver locations in Bear Swamp and behind Dam No. 4 in Charlemont for laboratory analysis of:
  - tritium
  - HTD radionuclides
  - gamma spectroscopy

Sediment sample locations are presented in Figure 2.

SUMMARY OF ANALYTICAL RESULTS

This section presents analytical results for samples collected since the submittal of the Supplemental Phase II. Laboratory reports for non-radiological samples are included in Appendix A.

Groundwater

Non-Radiological

Analytical results for groundwater samples collected since September 2006 are summarized in Table 1 and compared to Reportable Concentrations (RCGW-1). The following monitoring wells exceeded the RCGW-1 Standards:

- MW-101A exceeded for arsenic at 0.0161, 0.0119 and 0.012 milligrams per Liter (mg/L) versus an RCGW-1 of 0.01 mg/L.
- MW-101C exceeded for acetone at 4,890 micrograms per Liter (ug/L) and 3,570 ug/L versus a RCGW-1 of 3,000 ug/L.
- MW-107A exceeded for arsenic at 0.0112, 0.0105, 0.0123 and 0.0116 mg/L versus an RCGW-1 of 0.01 mg/L.

Groundwater sampling at the site is ongoing and expected to continue until contaminant concentrations fall consistently below Massachusetts Maximum Contaminant Levels (MMCLs) or applicable background concentrations. Analytical results will be presented and evaluated in the risk characterization.

Radiological

Radiological analytical results collected since September 2006 are summarized in Table 2. Tritium remains the only radionuclide detected in site groundwater and these concentrations are generally declining. The only location where tritium exceeded the EPA Guideline of 20,000 picocuries per Liter (pC/L) was MW-107C at 32,500 and 29,100 pC/L in September and December 2006, respectively.

FISH

Non-Radiological Results

Analytical results for PCBs in fish are summarized in Table 3. The total concentration of PCBs in fish samples are presented for Aroclors by Method 8082 and for congener analysis by Method 1668A. Results of total PCB analysis of fish tissue for Aroclor and congeners are summarized below:

- Harriman Reservoir- Total Aroclors were all non-detect at 10 micrograms per kilogram (ug/kg) and total congeners were detected from 29 to 38 ug/kg
- Sherman Reservoir- Total Aroclors were detected from 14 to 31 ug/kg and total congeners from 8 to 86 ug/kg
- Deerfield River- Total Aroclors were detected at up to 20 ug/kg and total congeners from 27 to 54 ug/kg

Analytical results for metals and total uranium are presented in Table 4. Metals detected in fish tissue included chromium, copper, mercury, nickel and zinc. The maximum concentrations of metals detected and the corresponding locations included:

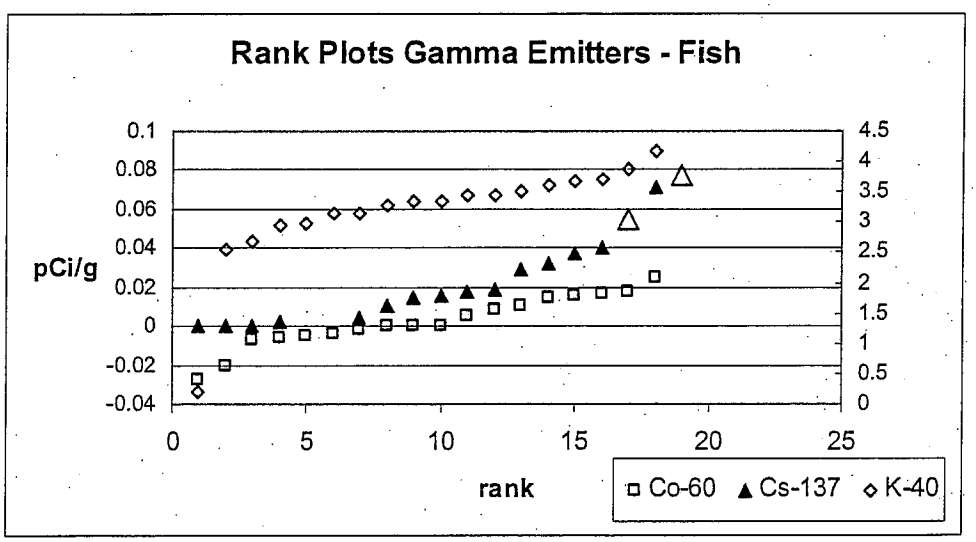
- Chromium at 0.96 mg/kg in FH-01/02 from Harriman Reservoir
- Copper at 2.3 mg/kg in FH-FD-12 from Sherman Reservoir
- Mercury at 0.681 mg/kg in FH-01 From Harriman Reservoir
- Nickel at 0.93 mg/kg in FH-01/02 from Harriman Reservoir
- Zinc at 48.9 mg/kg in FH-FD-12 from Sherman Reservoir

Total uranium was reported at non-detect in 13 of 14 samples (detection limits ranged from 0.0381 mg/Kg to 0.04 mg/kg). Total uranium was detected at 0.07 mg/kg in sample FH-21/22 from the Deerfield River. The non-radiological fish data will be evaluated further in the risk characterization.

Radiological Results

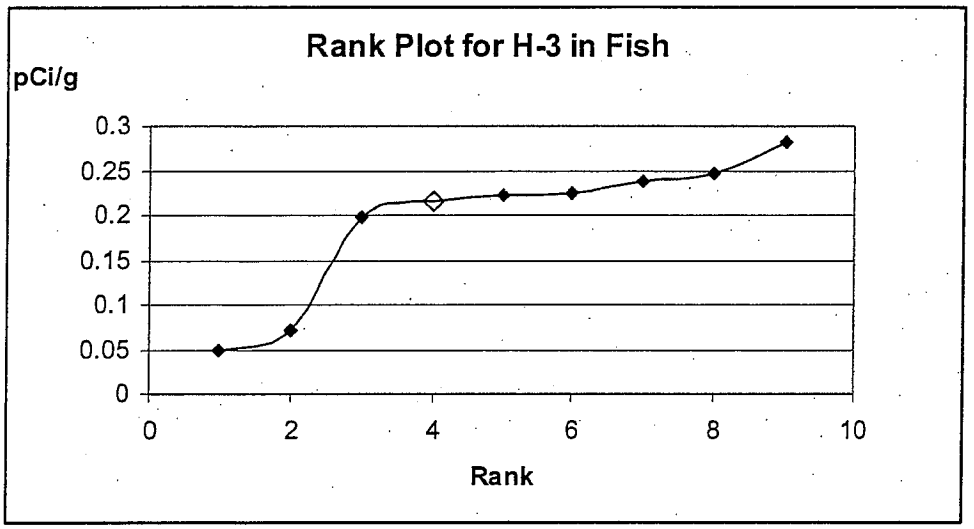
Radiological results for fish are summarized in Table 5. The results of gamma spectrometry analysis had no detectable gamma emitting radionuclides in the fish samples except naturally occurring potassium-40 (^{40}K) and cesium-137 (^{137}Cs). The following figure shows the rank plot for ^{137}Cs and cobalt-60 (^{60}Co) with ^{40}K. Two of the ^{137}Cs values are above the Minimum Detectable Concentration (MDC) and are indicated with an open triangle on the graph. These values fall into the distribution of results for this radionuclide with a mean above zero. This is not unexpected based on the ubiquitous distribution of ^{137}Cs in sediments and soils resulting from atmospheric bomb testing from the 1950s through the 1970s.

Gamma Emitters Ranking in Fish



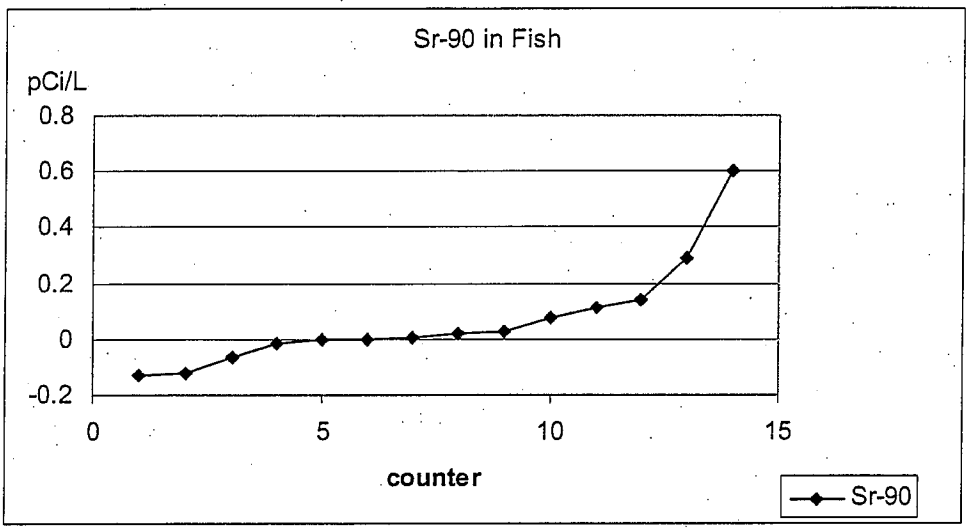
Tritium analysis for fish samples had concentrations from 0.0484 to 0.282 picocuries per gram (pCi/g). These results are on an "as received" weight basis, and all are below the sample specific MDC for tritium. The rank plots for these analyses are seen in the following figure. Note that the result represented by the open diamond is the blank which is approximately the middle of the data distribution.

Tritium Ranking in Fish



One fish sample had a positive result for strontium-90 (^{90}Sr) of 0.8643 pCi/g; the Minimum Detectable Activity (MDA) is 0.1570 pCi/g. A recount of this sample yielded a value of 0.603 pCi/g, also greater than the MDC. The distribution of results is presented in the following figure. The value of this result is outside the normal distribution. Although there is not evidence to discount this positive result, given the absence of any other detectable plant-related radionuclides, and the low concentration of the ^{90}Sr, a lab contamination of the sample is indicated.

Strontium-90 (^{90}Sr) in Fish



Based on the laboratory reports for these samples and a review of the statement of work sent to the laboratory, the data cited in the detailed report are valid, with the specific exceptions noted above.

Sediment

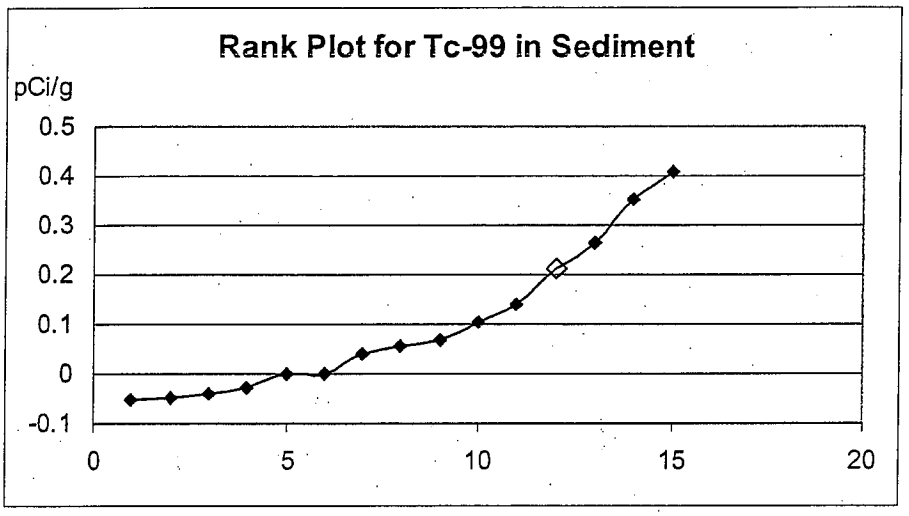
Radiological Results

Results for radiological sediment samples are summarized in Table 6. Tritium analysis for sediment samples showed no results greater than the sample specific MDC.

SD-248R and its field duplicate sample were both above the critical level for technetium-99 (^{99}Tc). SD-248R was also greater than its sample specific MDC. The ^{99}Tc analysis for one of these samples was performed a second time on fresh aliquots, and one of the samples (SD-248R) was analyzed twice (once as the sample and once as a laboratory duplicate). The results for each of these were clearly above the MDC, and the result was reproducible. However, in reviewing the actual spectra for these samples, it is clear that there are no significant counts above the blank sample counts for any of these samples, except for a high energy component. This

component is clearly different from the ^{99}Tc spectrum, and must be contributing to the bias above the blank analysis. The distribution of these results is seen in the following figure.

Technetium-99 (^{99}Tc) in Sediment
(only positive result in this data set is the data point not filled in)

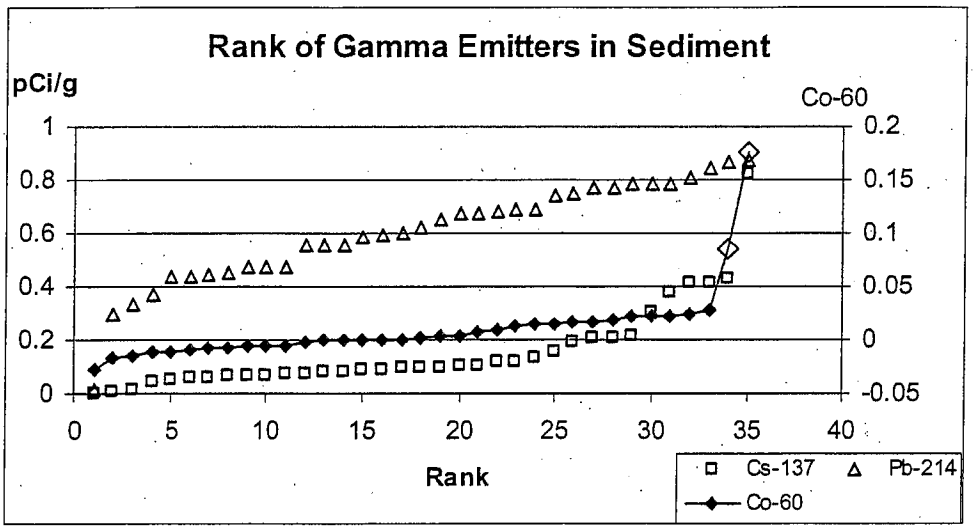


The distribution of the results indicates that these data are normally distributed with a few exceptions. There have been previous results for individual radionuclides in other individual Phase II samples where the result was greater than the MDC. However, in those cases as well as these, the presence of these radionuclides appears to be a result of low level laboratory contamination. This is based on the lack of any other plant related radionuclides and the low level of the results. The analyses in question here are ^{99}Tc (two sediment samples, SD-248R and its field duplicate). Although there is no evidence from the laboratory that provides a basis for this conclusion, it is not reasonable to expect that only these radionuclides would be present in separate samples. In one previous case for these same samples, the iron-55 (^{55}Fe) result was ~320 pCi/g (about 15 times its MDC) and when reanalyzed it was found to be less than the critical level.

Gamma spectrometric results for these samples had ^{137}Cs concentrations above their respective MDC values for all but one of the samples. The plot of these results is shown in the following figure. A clear background distribution of results is seen between 0.014 and 0.43 pCi/g for many of

the sediment samples analyzed under the Phase II. This is expected as a result of anthropogenic fallout due to nuclear bomb testing.

Gamma Emitters in Sediment
(all samples in this data set for Cobalt-60 (^{60}Co) were less than detectable).



Several other naturally occurring radionuclides were found in these samples such as those from the radium-226 (^{226}Ra) decay series (alpha, beta and gamma emitting radionuclides) and ^{40}K. Some of these are shown in the gamma emitters graph for sediment.

Based on the laboratory reports for these samples and a review of the statement of work sent to the laboratory, the data cited in the detailed report are valid, with the specific exceptions noted above.

RESPONSE TO SPECIFIC MA DEP & EPA COMMENTS

At the meeting on 12 October 2006, MA DEP and EPA provided YAEC with specific comments on the Supplemental Phase II. Comments and responses are summarized below:

- MA DEP commented that fish sample results for HTD radionuclides were not included in the Supplemental Phase II. Fish sample results for HTD are now included in the attached Table 5.
- Larry Hanson (MA DEP) requested full-size hard copies of Gross Alpha/Beta in groundwater figures. These figures will be provided to the Department under separate cover.
- In response to the MA DEP's request for downriver radiological sediment sampling, samples were collected from locations SD-248, SD-249, SD-251, and SD-252 for analysis of tritium, HTD radionuclides, gamma spectroscopy. Sample analytical results are presented in Table 6.
- MA DEP commented that the original Figure 8B from the Supplemental Phase II was missing sediment and surface water sample locations. Figure 8B from the Supplemental Phase II has been revised to include the sediment sample locations SD-241 through SD-246 and surface water samples SW-241 and SW-244. The revised figure is attached to this letter report as "Figure 8B (Revised) – Sampling Location – Site Sediment and Surface Water." The revised Figure 8B is intended to replace the original figure in the Supplemental Phase II.
- Table 11 of the Supplemental Phase II did not indicate whether silver-108m was analyzed. However, silver-108m was in fact analyzed and the results are presented in the attached Table 11(Revised).
- MA DEP commented on the plan to leave railroad ties and tracks in the subsurface. In the major revision to the Beneficial Use Determination (BUD), dated 6 November 2006, YAEC addressed the potential extent of railroad ties and tracks and the rationale for leaving these materials in place.
- MA DEP requested groundwater results for MW-112A. Analytical results from October and December 2006 are presented for MW-112A in Table 1. Results indicate that 1,1,1-trichloroethane, tetrachloroethene and chloroform were all below the RCGW-1 Standards.
- The MA DEP requested groundwater results for MW-105C. Analytical results from September 2006 are presented for MW-105C

in Table 1. Results indicate that 1,1-dichloroethene was detected below the RCGW-1 Standard.

- MA DEP requested groundwater results for MW-101C. Analytical results from September and December 2006 are presented for MW-101C in Table 1. Results indicate that acetone was detected below the RCGW-1 Standard in September, but exceeded the standard in December 2006. Further evaluation of acetone in MW-101C will be conducted.
- In response to MA DEP's request to evaluate the detection of boron in MW-107C, ERM calculated a risk-based Method 2 GW-1 screening value of 1.4 milligrams per liter (mg/L) in site groundwater. The concentration of boron in MW-107C has historically ranged from 0.21 to 0.4 mg/L, which is below the calculated screening value. The calculation of the Method 2 GW-1 screening value is included in Appendix B.
- MA DEP requested groundwater results for MW-110C and MW-111B. Analytical results from September 2006 are presented for MW-110C and MW-111B in Table 1. Results indicate that the RCGW-1 Standards were not exceeded for 2-butanone or tetrahydrofuran. However, further evaluation of 2-butanone and tetrahydrofuran will be conducted. The presence of these compounds has been attributed to glue used to extend the well riser pipes to enable site grading. The Material Safety Data Sheets (MSDS) for the glue indicated the presence of both 2-butanone and tetrahydrofuran in the glue.
- MA DEP commented on elevated levels of radionuclides in sediment and surface water. Based on further discussions with MA DEP, all parties agreed that it was acceptable and technically appropriate to evaluate a radionuclide result as positive only when it exceeds the MDC. The tables were therefore revised accordingly (see revised Tables 4, 8-1, 8-2, and 11). These revised tables are intended to replace the original tables in the Supplemental Phase II.
- MA DEP requested that YAEC comment on the concentrations of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in surface water sample SW-244. The detections of VOCs and PAHs in sample SW-244 is attributed to contaminants in run-off or a source unrelated to YNPS operations. Upriver samples (SW-232 and SW-235) collected at the outfall of the West Storm Drain (WSD) showed no detectable concentrations of

any VOCs or the PAHs detected at SW-244 (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene). Additionally, surface water sample SW-238 was located downriver from the WSD outfall but upriver of SW-244 and showed no detectable concentrations of VOCs or PAHs. The detections of VOCs and PAHs in SW-244 are not attributed to YNPS operations but will be evaluated in the risk characterization.

- MA DEP commented that there were elevated levels of ^{137}Cs in fish results from Sherman Reservoir. As discussed above, the presence of ^{137}Cs is not unexpected in fish based on the ubiquitous distribution in sediments and soils resulting from atmospheric bomb testing.
- As requested by MA DEP, the characterization of human health risks due to the fish ingestion pathway will include calculations for both Aroclors and congeners analyzed in fish samples.
- EPA commented on the PCB cleanup goal for the "Old Shooting Range." To clarify, further remedial activities were conducted within the footprint of the Old Shooting Range until all closure samples were below one (1) part per million (ppm) for PCBs. However, these remedial actives were conducted under the SCFA removal program.
- EPA requested clarification on the last sentence of page 44, paragraph 2 of the Supplemental Phase II. The intent of the statement was that if the risk characterization identifies potential cumulative risks above the MA DEP risk guideline of 1×10^{-5}, additional remedial measures or controls to reduce these potential risks will be identified.

If you have any questions regarding the information presented in this addendum, or require additional information, please contact John McTigue of ERM, the site Licensed Site Professional (LSP)-of-Record, or Justin Desrosiers at (617) 646-7800.

Sincerely,

John W. McTigue, P.G., LSP
Principal-in-Charge

Justin Desrosiers (for)
Project Scientist

Attachments:

Table 1 - Summary of Non-Radiological Groundwater Analytical Results
Table 2 - Summary of Tritium Groundwater Results
Table 3 - Summary of Fish Analytical Results for PCBs
Table 4 - Summary of Fish Analytical Results for Inorganics
Table 5 - Summary of Radiological Analytical Results for Fish
Table 6 - Summary of Radiological Analytical Results for Downstream Sediment Samples
Figure 1 – Sampling Locations - Fish
Figure 2 – Sample Locations - Downriver
Appendix A – Laboratory Reports
Appendix B – Boron Method 2 GW-1 Calculation

Revised Tables and Figures:

Table 4 (Revised) – Summary of Radiological Analytical Results for Soil
Table 8-1 (Revised) – Summary of Radiological Analytical Results for Upstream Sediment
Table 8-2 (Revised) – Summary of Radiological Analytical Results for Downstream Sediment
Table 11 (Revised) – Summary of Radiological Analytical Results for Surface Water
Figure 8B (Revised) – Sampling Locations – Site Sediment and Surface Water

cc:

L. Hansen, MA DEP (WERO)
T. Kurpaska, MA DEP (WERO)
N. Bettinger, MA DEP (Boston)
R. Walker, Director, Radiation Control Program, MA DPH
M. Whalen, Radiation Control Program, MA DPH
L. Dunlavy, Franklin Regional Council of Government
E. Waterman, US EPA, Chemicals Management Branch Chief
M. Ballew, US EPA, Region I (Boston)
P. Newkirk, US EPA (Headquarters)
K. Tisa, TSCA Coordinator, US EPA (Region 1)
J. Hickman, NRC Project Manager
S. Collins, NRC, Region I Administrator
M. Miller, Chief, Decommissioning Branch, NRC Region 1
L. Kauffman, Inspector, NRC Region I
J. Kotton, Inspector, NRC Region I
D. Katz, Citizen's Awareness Network
J. Block, Esq.
R. Ross, CAN Hydrogeologist
Public Repository at Greenfield Community College
D. Merrill (Gradient)
J. Bourassa (YAEC)
G. vanNoordennen (YAEC)

Tables

Table 1
Summary of Non-Radiological Groundwater Analytical Results
Yankee Nuclear Power Station
Rowe, MA

Station		CFW-1	CFW-1	CFW-5	CFW-6	CFW-6	CW-10	CW-5R	CW-5R	MW-101A	MW-101A	MW-101A
Sample ID	RCGW-1	CFW-1-091806	CFW-1-091906	CFW-5-091306	CFW-6-091306	FD001-091306	CW-10-092106	CW-5R-101006	FD001-101006	MW-101A-091406	MW-101A-091406-RE	MW-101A-121406
Date Sampled		9/18/2006	9/19/2006	9/13/2006	9/13/2006	9/13/2006	9/21/2006	10/10/2006	10/10/2006	9/14/2006	9/14/2006	12/14/2006
EPH (µg/L)												
C11-C22 Aromatics	200							200 U	200 U			
VPH (µg/L)												
C5-C8 Aliphatics	400							75 U	75 U			
SVOC (µg/L)												
Benzidine	100						5.56 UJ					
Benzo(a)pyrene	0.2						0.2 U					
bis(2-Ethylhexyl)phthalate	6						5.56 U					
Pentachlorophenol	1						1 U					
VOC (µg/L)												
1,1,1-Trichloroethane	200	1 U		1 U	1 U	1 U		1 U	1 U			
1,1-Dichloroethene	7	1 U		1 U	1 U	1 U		1 U	1 U			
2-Butanone	400	10 U		R	R	R		10 U	10 U			
Acetone	3000	R		R	R	R		10 U	10 U			
Chloroform	5	1 U		1 U	1 U	1 U		1 U	1 U			
Tetrachloroethene	5	1 U		1 U	1 U	1 U		1 U	1 U			
Tetrahydrofuran	5000	10 U		10 U	10 U	10 U		10 U	10 U			
Alcohols (mg/L)												
iso-Propyl Alcohol	-											
PCBs (µg/L)												
Aroclor-1254	0.3											
Aroclor-1260	0.3											
Inorganics (mg/L)												
Antimony	0.006		0.0012 U	0.015 U	0.015 U	0.015 U				0.0034 U		0.015 U
Arsenic	0.01		0.004 U	0.004 U	0.004 U	0.004 U				0.0161	0.0119	0.012
Boron	1.4									0.0805		0.029 J
Lead	0.01		0.0056 J	0.0036 J	0.0031 J	0.003 J				0.0075 U		0.0075 U
Silver	0.007		0.0044 UJ	0.005 U	0.005 U	0.005 U				0.0051 J		0.0008 J

Notes
Summary only, see laboratory reports for complete results
J = estimated value, R-rejected
U = non-detect (value is the detection limit)
UJ = non-detect (estimated detection limit)
October/December data not yet validated
Bold, highlighted values exceed RCGW-1 standards
Blank results indicate chemical not analyzed
micrograms per Liter (ug/L), milligrams per Liter (mg/L)

Table 1
Summary of Non-Radiological Groundwater Analytical Results
Yankee Nuclear Power Station
Rowe, MA

Station Sample ID Date Sampled	RCGW-1	MW-101B MW-101B-091406 9/14/2006	MW-101B FD005-091406 9/14/2006	MW-101C MW-101C-091406 9/14/2006	MW-101C FD004-091406 9/14/2006	MW-101C MW-101C-120706 12/7/2006	MW-101C MW-101C-120706-RE 12/7/2006	MW-105B MW-105B-092006 9/20/2006	MW-105C MW-105C-092006 9/20/2006	MW-107A MW-107A-091206 9/12/2006	MW-107A FD006-091206 9/12/2006
EPH (µg/L)											
C11-C22 Aromatics	200	200 UJ	200 U								
VPH (µg/L)											
C5-C8 Aliphatics	400			39.5 J	45.6 J	31 J			10.4 J		
SVOC (µg/L)											
Benzidine	100							5.56 UJ			
Benzo(a)pyrene	0.2							0.2 U			
bis(2-Ethylhexyl)phthalate	6							5.56 U			
Pentachlorophenol	1							1 U			
VOC (µg/L)											
1,1,1-Trichloroethane	200			25 U	25 U	10 U	50 U		1 U		
1,1-Dichloroethene	7			25 U	25 U	10 U	50 U		0.8 J		
2-Butanone	400			R	R	35.1 J	500 U		R		
Acetone	3000			1670 J	1390 J	4890 E	3570		R		
Chloroform	5			25 U	25 U	10 U	50 U		1 U		
Tetrachloroethene	5			25 U	25 U	10 U	50 U		1 U		
Tetrahydrofuran	5000			198 J	72.2 J	212	172 J		62.6		
Alcohols (mg/L)											
iso-Propyl Alcohol	-			1 U	1 U						
PCBs (µg/L)											
Aroclor-1254	0.3										
Aroclor-1260	0.3										
Inorganics (mg/L)											
Antimony	0.006									0.0021 U	0.0026 U
Arsenic	0.01									0.0152	0.0105
Boron	1.4									0.0444 J	0.0339
Lead	0.01									0.0075 U	0.0075 U
Silver	0.007									0.005 U	0.005 U

Notes
Summary only, see laboratory reports for complete results
J = estimated value, R-rejected
U = non-detect (value is the detection limit)
UJ = non-detect (estimated detection limit)
October/December data not yet validated
Bold, highlighted values exceed RCGW-1 standards
Blank results indicate chemical not analyzed
micrograms per Liter (ug/L), milligrams per Liter (mg/L)

Table 1
Summary of Non-Radiological Groundwater Analytical Results
Yankee Nuclear Power Station
Rowe, MA

Station Sample ID Date Sampled	RCGW-1	MW-107A MW-107A-121106 12/11/2006	MW-107A FD001-121106 12/11/2006	MW-107B MW-107B-091306 9/13/2006	MW-107B FD007-091306 9/13/2006	MW-107D MW-107D-091406 9/14/2006	MW-107F MW-107F-091806 9/18/2006	MW-109B MW-109B-092006 9/20/2006	MW-109B FD003-092006 9/20/2006	MW-109C MW-109C-091906 9/19/2006
EPH (µg/L)										
C11-C22 Aromatics	200									
VPH (µg/L)										
C5-C8 Aliphatics	400									
SVOC (µg/L)										
Benzidine	100							5.26 UJ	5.56 UJ	5.26 UJ
Benzo(a)pyrene	0.2							0.2 U	0.2 U	0.2 U
bis(2-Ethylhexyl)phthalate	6							5.26 U	5.56 U	5.26 U
Pentachlorophenol	1							1 U	1 U	1 U
VOC (µg/L)										
1,1,1-Trichloroethane	200						1 U			
1,1-Dichloroethene	7						1 U			
2-Butanone	400						10 U			
Acetone	3000						R			
Chloroform	5						1 U			
Tetrachloroethene	5						1 U			
Tetrahydrofuran	5000						10 U			
Alcohols (mg/L)										
iso-Propyl Alcohol	-									
PCBs (µg/L)										
Aroclor-1254	0.3			0.202 U	0.2 U	0.222 U				
Aroclor-1260	0.3			0.202 U	0.2 U	0.222 U				
Inorganics (mg/L)										
Antimony	0.006	0.0008 J	0.015 U				0.0011 U			
Arsenic	0.01	**0.0123**	**0.0116**				0.004 U			
Boron	1.4	0.0648	0.0598				0.05 UJ			
Lead	0.01	0.0075 U	0.0075 U				0.0075 U			
Silver	0.007	0.005 U	0.005 U				R			

Notes
Summary only, see laboratory reports for complete results
J = estimated value, R-rejected
U = non-detect (value is the detection limit)
UJ = non-detect (estimated detection limit)
October/December data not yet validated
Bold highlighted values exceed RCGW-1 standards
Blank results indicate chemical not analyzed
micrograms per Liter (ug/L), milligrams per Liter (mg/L)

Table 1
Summary of Non-Radiological Groundwater Analytical Results
Yankee Nuclear Power Station
Rowe, MA

Station Sample ID Date Sampled	RCGW-1	MW-109D MW-109D-092006 9/20/2006	MW-110A MW-110A-091906 9/19/2006	MW-110C MW-110C-092106 9/21/2006	MW-111B MW-111B-091906 9/19/2006	MW112A MW112A-101106 10/11/2006	MW112A FD002-101106 10/11/2006	MW112A MW-112A-120606 12/6/2006	MW-6R MW-6R-101206 10/12/2006	MW-6R MW-6R-120506 12/5/2006
EPH (µg/L)										
C11-C22 Aromatics	200								200 U	200 U
VPH (µg/L)										
C5-C8 Aliphatics	400									
SVOC (µg/L)										
Benzidine	100	5.56 UJ								
Benzo(a)pyrene	0.2	0.2 U								
bis(2-Ethylhexyl)phthalate	6	5.56 U								
Pentachlorophenol	1	1 U								
VOC (µg/L)										
1,1,1-Trichloroethane	200			1 U	1 U	1 U	1 U	2.4	1 U	
1,1-Dichloroethene	7			1 U	1 U	1 U	1 U	1 U	1 U	
2-Butanone	400			10 UJ	10 U	10 U	10 U	10 U	10 U	
Acetone	3000			R	R	10 U	10 U	10 U	10 U	
Chloroform	5			1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	
Tetrahydrofuran	5000			56.6 J	5 J	10 U	10 U	10 U	10 U	
Alcohols (mg/L)										
iso-Propyl Alcohol	-									
PCBs (µg/L)										
Aroclor-1254	0.3		0.0211 U							
Aroclor-1260	0.3		0.0211 U							
Inorganics (mg/L)										
Antimony	0.006					0.0014 J	0.0022 J			
Arsenic	0.01					0.004 U	0.004 U			
Boron	1.4					0.0234 J	0.0224 J			
Lead	0.01					0.0075 U	0.0075 U			
Silver	0.007					0.005 U	0.001 J			

Notes
Summary only, see laboratory reports for complete results
J = estimated value, R-rejected
U = non-detect (value is the detection limit)
UJ = non-detect (estimated detection limit)
October/December data not yet validated
Bold-highlighted values exceed RCGW-1standards
Blank results indicate chemical not analyzed
micrograms per Liter (ug/L), milligrams per Liter (mg/L)

Table 2
Summary of Tritium Groundwater Results
Yankee Nuclear Power Station
Rowe, MA

Monitoring Well	Sep-06	Oct-06	Nov-06	Dec-06
CB-3				
CB-3R		ND		ND
CB-4	4.03E+02			ND
CB-6	9.59E+02			8.69E+02
CB-8	ND			ND
CFW-1	ND			ND
CWF-5	ND			ND
CWF-6	2.65E+03		ND	5.81E+02
CW-2				
CW-5R		ND		
CW-10	ND		ND	ND
DW001	ND			ND
DW002				
MW-6R		4.51E+02		ND
MW-100A	ND			ND
MW-100B	ND			ND
MW-101A	1.01E+04		4.74E+03	3.88E+03
MW-101B	ND			ND
MW-101C	ND			ND
MW-102A	4.47E+03			4.24E+03
MW-102B	ND			ND
MW-102C	4.21E+03			3.52E+03
MW-102D	6.97E+03			6.53E+03
MW-103A	ND			ND
MW-103B	ND			ND
MW-103C	2.49E+02			ND
MW-104A	1.43E+03			2.85E+03
MW-104B	ND			ND
MW-104C	ND			ND
MW-104D		ND	ND	ND
MW-105A	ND			ND
MW-105B	3.29E+03			2.90E+03
MW-105C	1.65E+03			2.75E+03
MW-106A	5.28E+03			3.01E+03
MW-106B	5.28E+02		ND	ND

Table 2
Summary of Tritium Groundwater Results
Yankee Nuclear Power Station
Rowe, MA

Monitoring Well	Sep-06	Oct-06	Nov-06	Dec-06
MW-106C	ND			ND
MW-106D	ND			ND
MW-107A	5.41E+03			4.04E+03
MW-107B	ND			ND
MW-107C	3.25E+04			2.91E+04
MW-107D	1.10E+04			9.31E+03
MW-107E	5.50E+03			5.70E+03
MW-107F	9.58E+03	1.10E+04		9.21E+03
MW-108A	ND			ND
MW-108B	ND			ND
MW-108C	ND			ND
MW-109A	ND			ND
MW-109B	ND			ND
MW-109C	ND			ND
MW-109D	ND			ND
MW-110A	1.68E+03			1.66E+03
MW-110B	ND			ND
MW-110C	1.87E+03			2.59E+03
MW-110D	ND			ND
MW-111A	2.65E+03			1.68E+03
MW-111B	ND			ND
MW-111C	4.25E+03			ND
MW-112A		ND		ND
MW-113A	ND			ND
MW-113C	7.66E+02			7.98E+02
SP-1	1.39E+03			1.10E+03

Notes:

Units in picocuries per Liter (pCi/L)

ND = Non-detect

Blank cells were not analyzed

Table 3
Summary of Fish Analytical Results for PCBs
Yankee Nuclear Power Station
Rowe, MA

Sample	Fish Species	Sample Type	Date Sampled	Location	Total PCBs	
					Aroclor	Congener
FH-01	Rainbow Trout	Fillet	10/30/06	Harriman Reservoir	10 U	29
FH-02	Rainbow Trout	Whole	10/30/06	Harriman Reservoir	10 U	38
FH-11	Brown Trout	Fillet	10/30/06	Sherman Reservoir	10 U	22
FH-11	Yellow Perch	Fillet	11/13/06	Sherman Reservoir	14	8
FH-12	Brown Trout	Whole	10/30/06	Sherman Reservoir	31	64
FH-12	Yellow Perch	Whole	11/13/06	Sherman Reservoir	29	86
FH-FD-12	Yellow Perch	Whole	11/13/06	Sherman Reservoir	23	63
FH-21	Brown Trout	Fillet	11/30/06	Deerfield River	10 U	27
FH-22	Brown Trout	Whole	11/27/06	Deerfield River	20	54

Notes:
Summary only, see laboratory reports for complete results
Units in micrograms per kilogram (ug/kg)
U= Not detected, value is the reporting limit
FH-FD-12 was a duplicate sample from Sherman Reservoir sample FH-12
PCBs = Polychlorinated Biphenyls
Data not yet validated

Table 4
Summary of Fish Analytical Results for Inorganics
Yankee Nuclear Power Station
Rowe, MA

Sample ID	FH-01	FH-01	FH-01/02	FH-01/02	FH-11	FH-11	FH-11/12	FH-11/12	FH-FD-12	FH-FD-12	FH-FD-12	FH-FD-12	FH-21/22	FH-21/22
Fish Species	Rainbow Trout	Yellow Perch	Rainbow Trout	Yellow Perch	Brown Trout	Yellow Perch	Brown Trout	Yellow Perch	Brown Trout	Brown Trout	Yellow Perch	Yellow Perch	Brown Trout	Brown Trout
Sample Type	Fillet	Fillet	Whole Fish	Whole Fish	Fillet	Fillet	Whole Fish	Whole Fish	Fillet	Whole Fish	Fillet	Whole Fish	Fillet	Offal
Date Sampled	10/30/06	10/30/06	10/30/06	10/30/06, 11/17/06	10/30/06	11/2/06	10/30/06, 11/2/06	11/2-3/06, 11/13/06	10/30/06	10/30/06	11/2/06	11/2/06	11/30/06	11/30/06
Location	Harriman Reservoir				Sherman Reservoir								Deerfield River	
Antimony	0.4 U	0.39 U	0.381 U	0.393 U	0.381 U	0.396 U	0.4 U	0.381 U	0.381 U	0.391 U	0.398 U	0.398 U	0.14 B	0.388 U
Arsenic	1 U	0.975 U	0.952 U	0.982 U	0.31 B	0.99 U	1 U	0.952 U	0.952 U	0.978 U	0.996 U	0.996 U	0.957 U	0.969 U
Beryllium	0.1 U	0.0975 U	0.0952 U	0.0982 U	0.0952 U	0.099 U	0.1 U	0.0952 U	0.0952 U	0.0978 U	0.0996 U	0.0996 U	0.0957 U	0.0969 U
Boron	3 U	2.92 U	2.86 U	2.95 U	2.86 U	2.97 U	3 U	2.86 U	2.86 U	2.94 U	2.99 U	2.99 U	2.87 U	2.91 U
Cadmium	0.2 U	0.195 U	0.062 B	0.13 B	0.19 U	0.198 U	0.029 B	0.074 B	0.035 B	0.05 B	0.199 U	0.03 B	0.191 U	0.075 B
Chromium	0.31 B	0.33 B	0.96	0.49 B	0.43 B	0.34 B	0.44 B	0.409 B	0.72	0.69	0.33 B	0.52 B	0.29 B	0.31 B
Copper	0.29	0.36	0.91	1.3	0.42	0.18 B	1.2	0.452	0.44	2.3	0.18 B	0.3	0.58	2
Lead	0.4 U	0.39 U	0.381 U	0.393 U	0.381 U	0.396 U	0.4 U	0.381 U	0.381 U	0.391 U	0.398 U	0.398 U	0.383 U	0.388 U
Lithium	2 U	1.95 U	1.9 U	1.96 U	1.9 U	1.98 U	2 U	1.9 U	1.9 U	1.96 U	1.99 U	1.99 U	1.91 U	1.94 U
Mercury	0.13	0.681	0.0871	0.177	0.058	0.27	0.184	0.136	0.0808	0.1	0.152	0.103	0.117	0.349
Nickel	0.4 U	0.39 U	0.93	0.28 B	0.381 U	0.396 U	0.14 B	0.352 B	0.24 B	0.78	0.398 U	0.46	0.383 U	0.388 U
Selenium	1 U	0.975 U	0.952 U	0.51 B	0.952 U	0.55 B	1 U	0.952 U	0.952 U	0.978 U	0.996 U	0.996 U	0.957 U	0.969 U
Silver	0.2 U	0.195 U	0.054 B	0.196 U	0.19 U	0.198 U	0.2 U	0.19 U	0.19 U	0.066 B	0.199 U	0.199 U	0.191 U	0.194 U
Thallium	0.2 U	0.195 U	0.19 U	0.196 U	0.19 U	0.198 U	0.2 U	0.19 U	0.19 U	0.196 U	0.199 U	0.199 U	0.191 U	0.194 U
Uranium	0.04 U	0.039 U	0.0381 U	0.0393 U	0.0381 U	0.0396 U	0.04 U	0.0381 U	0.0381 U	0.0391 U	0.0398 U	0.0398 U	0.0383 U	0.07
Zinc	7.2	8.4	24.7	28.6	6.01	7.7	11.6	31.3	6.8	48.9	6.8	17.2	7	27.5

Notes:
Units in milligrams per kilogram (mg/kg)
U= Not detected, value is the sample detection/reporting limit
B = Detected in blank
Data not yet validated

Table 5
Summary of Radiological Analytical Results for Fish
Yankee Nuclear Power Station
Rowe, MA

	Harriman Reservoir Summer 2006		Sherman Reservoir Summer 2006		Deerfield River Summer 2006		Harriman Reservoir Fall 2006				Harriman Reservoir Fall 2006			
	Composite Fillet		Composite Fillet		Composite Fillet		Yellow Perch Fillet		Whole Yellow Perch		Fall 2006		Whole Rainbow Trout	
Radionuclide	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium														
H-3	1.73E-01	1.57E-01	5.04E-01	1.69E-01	ND	1.46E-01	*	*	ND	3.45E-01	*	*	ND	3.64E-01
Hard-to-Detects														
C-14	ND	6.13E+00	ND	5.31E+00	ND	6.40E+00	*	*	ND	1.51E+01	*	*	ND	1.47E+01
Fe-55	ND	4.54E+00	ND	4.84E+00	ND	5.39E+00	*	*	ND	1.80E+01	*	*	ND	1.45E+01
Ni-63	ND	3.35E+00	ND	1.98E+00	ND	2.03E+00	*	*	ND	5.15E+00	*	*	ND	4.84E+00
Sr-90	ND	2.84E-02	ND	2.78E-02	ND	2.50E-02	*	*	ND	3.29E-01	*	*	ND	2.56E-01
Tc-99	2.04E+01	1.58E+01	1.68E+01	1.51E+01	1.61E+01	1.41E+01	*	*	ND	8.96E+00	*	*	ND	8.64E+00
Pu-238	ND	4.57E-02	ND	6.81E-02	*	*	*	*	ND	9.92E-01	*	*	ND	8.25E-01
Pu-239/240	ND	1.25E-01	ND	1.01E-01	*	*	*	*	ND	3.71E-02	*	*	ND	4.33E-02
Pu-241	ND	3.74E+00	ND	3.73E+00	*	*	*	*	ND	5.31E-02	*	*	ND	3.25E-02
Am-241	ND	3.70E-02	ND	3.27E-02	*	*	*	*	ND	1.48E-02	*	*	ND	1.37E-02
Cm-242	ND	9.58E-02	ND	5.16E-02	*	*	*	*	ND	1.06E-02	*	*	ND	1.63E-02
Cm-243/244	ND	8.02E-02	ND	7.08E-02	*	*	*	*	ND	1.92E-02	*	*	ND	8.28E-03
Gammas														
Co-60	ND	5.63E-02	ND	4.76E-02	ND	6.74E-02	ND	4.68E-02	ND	4.62E-02	ND	2.58E-02	ND	5.10E-02
Nb-94	ND	4.82E-02	ND	4.11E-02	ND	6.67E-02	ND	3.42E-02	ND	3.69E-02	ND	1.98E-02	ND	6.04E-02
Ag-108m	ND	3.73E-02	ND	3.76E-02	ND	5.28E-02	ND	2.95E-02	ND	3.85E-02	ND	1.82E-02	ND	3.24E-02
Cs-134	ND	6.12E-02	ND	3.55E-02	ND	8.63E-02	ND	4.15E-02	ND	4.64E-02	ND	2.29E-02	ND	5.29E-02
Cs-137	ND	4.93E-02	ND	4.74E-02	ND	9.12E-02	ND	3.66E-02	ND	3.93E-02	ND	2.15E-02	ND	5.22E-02
Eu-152	ND	1.22E-01	ND	1.16E-01	ND	1.58E-01	ND	8.43E-02	ND	1.02E-01	ND	5.38E-02	ND	1.05E-01
Eu-154	ND	1.56E-01	ND	1.19E-01	ND	2.25E-01	ND	1.24E-01	ND	1.15E-01	ND	6.27E-02	ND	1.92E-01
Eu-155	ND	1.25E-01	ND	1.23E-01	ND	1.25E-01	ND	7.17E-02	ND	1.16E-01	ND	5.24E-02	ND	1.10E-01

Notes:
Units in picocuries per gram (pCi/g)
* Analyses were not performed due to the limited number of fish samples obtained

Table 5
Summary of Radiological Analytical Results for Fish
Yankee Nuclear Power Station
Rowe, MA

	Harriman Reservoir Summer 2006		Sherman Reservoir Summer 2006		Deerfield River Summer 2006		Sherman Reservoir Fall 2006				Sherman Reservoir Fall 2006				Deerfield River Fall 2006			
	Composite Fillet		Composite Fillet		Composite Fillet		Yellow Perch Fillet		Whole Yellow Perch		Brown Trout Fillet		Whole Brown Trout		Brown Trout Fillet		Weighted Avg Brown Trout	
Radionuclide	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium																		
H-3	1.73E-01	1.57E-01	5.04E-01	1.69E-01	ND	1.46E-01	*	*	ND	3.40E-01	*	*	ND	3.71E-01	ND	3.64E-01	ND	3.37E-01
Hard-to-Detects																		
C-14	ND	6.13E+00	ND	5.31E+00	ND	6.40E+00	*	*	ND	1.47E+01	*	*	ND	1.42E+01	ND	1.41E+01	ND	1.41E+01
Fe-55	ND	4.54E+00	ND	4.84E+00	ND	5.39E+00	*	*	ND	1.74E+01	*	*	ND	1.67E+01	ND	1.66E+01	ND	1.66E+01
Ni-63	ND	3.35E+00	ND	1.98E+00	ND	2.03E+00	*	*	ND	4.50E+00	*	*	ND	5.12E+00	ND	5.29E+00	ND	5.01E+00
Sr-90	ND	2.84E-02	ND	2.78E-02	ND	2.50E-02	*	*	6.03E-01	1.35E-01	*	*	ND	3.99E-01	ND	2.81E-01	ND	2.81E-01
Tc-99	2.04E+01	1.58E+01	1.68E+01	1.51E+01	1.61E+01	1.41E+01	*	*	ND	7.86E+00	*	*	ND	8.42E+00	ND	8.30E+00	ND	7.13E+00
Pu-238	ND	4.57E-02	ND	6.81E-02	*	*	*	*	ND	1.65E+00	*	*	ND	7.81E-01	ND	9.84E-01	ND	9.84E-01
Pu-239/240	ND	1.25E-01	ND	1.01E-01	*	*	*	*	ND	3.61E-02	*	*	ND	2.74E-02	ND	2.16E-02	ND	9.99E-03
Pu-241	ND	3.74E+00	ND	3.73E+00	*	*	*	*	ND	5.05E-02	*	*	ND	2.80E-02	ND	2.54E-02	ND	2.54E-02
Am-241	ND	3.70E-02	ND	3.27E-02	*	*	*	*	ND	1.00E-02	*	*	ND	1.43E-02	ND	2.03E-02	ND	2.03E-02
Cm-242	ND	9.58E-02	ND	5.16E-02	*	*	*	*	ND	1.19E-02	*	*	ND	1.46E-02	ND	2.04E-02	ND	2.04E-02
Cm-243/244	ND	8.02E-02	ND	7.08E-02	*	*	*	*	ND	1.95E-02	*	*	ND	1.59E-02	ND	2.93E-02	ND	2.93E-02
Gammas																		
Co-60	ND	5.63E-02	ND	4.76E-02	ND	6.74E-02	ND	4.55E-02	ND	4.20E-02	ND	3.43E-02	ND	4.74E-02	ND	2.36E-02	ND	1.24E-02
Nb-94	ND	4.82E-02	ND	4.11E-02	ND	6.67E-02	ND	5.24E-02	ND	4.76E-02	ND	2.45E-02	ND	3.84E-02	ND	1.97E-02	ND	1.18E-02
Ag-108m	ND	3.73E-02	ND	3.76E-02	ND	5.28E-02	ND	3.26E-02	ND	5.06E-02	ND	2.23E-02	ND	4.33E-02	ND	1.81E-02	ND	1.12E-02
Cs-134	ND	6.12E-02	ND	3.55E-02	ND	8.63E-02	ND	4.17E-02	ND	5.51E-02	ND	2.85E-02	ND	4.33E-02	ND	2.49E-02	ND	1.31E-02
Cs-137	ND	4.93E-02	ND	4.74E-02	ND	9.12E-02	ND	3.92E-02	ND	5.71E-02	ND	2.87E-02	ND	5.47E-02	ND	2.18E-02	4.37E-02	1.27E-02
Eu-152	ND	1.22E-01	ND	1.16E-01	ND	1.58E-01	ND	9.62E-02	ND	1.39E-01	ND	6.37E-02	ND	1.21E-01	ND	5.02E-02	ND	3.32E-02
Eu-154	ND	1.56E-01	ND	1.19E-01	ND	2.25E-01	ND	1.28E-01	ND	1.56E-01	ND	8.74E-02	ND	1.47E-01	ND	6.42E-02	ND	3.55E-02
Eu-155	ND	1.25E-01	ND	1.23E-01	ND	1.25E-01	ND	9.23E-02	ND	1.35E-01	ND	5.65E-02	ND	1.06E-01	ND	4.05E-02	ND	4.05E-02

Notes:

Units in picocuries per gram (pCi/g)

* Analyses were not performed due to the limited number of fish samples obtained

Table 6
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Fall 2006									
	MDC	SD-248R		SD-FD-248R		SD-249R		SD-251R		SD-252R	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs											
H-3	1.30E+01	ND	8.59E+00	ND	9.62E+00	ND	7.98E+00	ND	8.76E+00	ND	8.46E+00
C-14	1.90E-01	ND	1.24E-01	ND	1.08E-01	NA		ND	1.15E-01	NA	
Fe-55	1.00E+03	ND	6.11E+01	ND	4.84E+01	NA		ND	5.81E+01	NA	
Ni-63	2.80E+01	ND	1.86E+01	ND	1.74E+01	NA		ND	1.64E+01	NA	
Sr-90	5.90E-02	ND	3.95E-02	ND	3.49E-02	NA		ND	3.60E-02	NA	
Tc-99	4.80E-01	3.45E-01	3.19E-01	3.28E-01	3.06E-01	NA		ND	3.50E-01	NA	
Pu-241	3.40E+01	ND	1.54E+01	ND	1.77E+01	NA		ND	1.98E+01	NA	
Pu-238	1.10E+00	ND	1.98E-01	ND	1.36E-01	NA		ND	1.68E-01	NA	
Pu-239/240	1.00E+00	ND	1.79E-01	ND	1.74E-01	NA		ND	1.68E-01	NA	
Am-241	1.00E+00	ND	8.11E-02	ND	1.50E-01	NA		ND	9.65E-02	NA	
Cm-242	1.10E+00	ND	1.53E-01	ND	1.98E-01	NA		ND	1.02E-01	NA	
Cm-243/244	1.10E+00	ND	1.57E-01	ND	1.50E-01	NA		ND	1.87-E1	NA	
Gammas											
Co-60	1.40E-01	ND	4.67E-02	ND	3.90E-02	ND	4.36E-02	ND	4.56E-02	ND	4.18E-02
Nb-94	2.50E-01	ND	9.96E-02	ND	3.84E-02	ND	4.17E-02	ND	4.46E-02	ND	3.58E-02
Ag-108m	2.50E-01	ND	3.53E-01	ND	3.43E-02	ND	3.83E-02	ND	3.87E-02	ND	3.54E-02
Cs-134	1.70E-01	ND	5.86E-02	ND	5.52E-02	ND	6.29E-02	ND	5.50E-02	ND	5.74E-02
Cs-137	3.00E-01	7.09E-02	4.06E-02	6.56E-02	3.94E-02	6.07E-02	5.22E-02	ND	5.12E-02	2.05E-01	4.01E-02
Eu-152	3.50E-01	ND	9.79E-02	ND	9.50E-02	ND	1.16E-01	ND	1.04E-01	ND	9.08E-02
Eu-154	3.30E-01	ND	1.31E-01	ND	1.37E-01	ND	1.46E-01	ND	1.43E-01	ND	1.34E-01
Eu-155	1.40E+01	ND	1.23E-01	ND	1.26E-01	ND	1.43E-01	ND	1.10E-01	ND	8.68E-02

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect

Figures

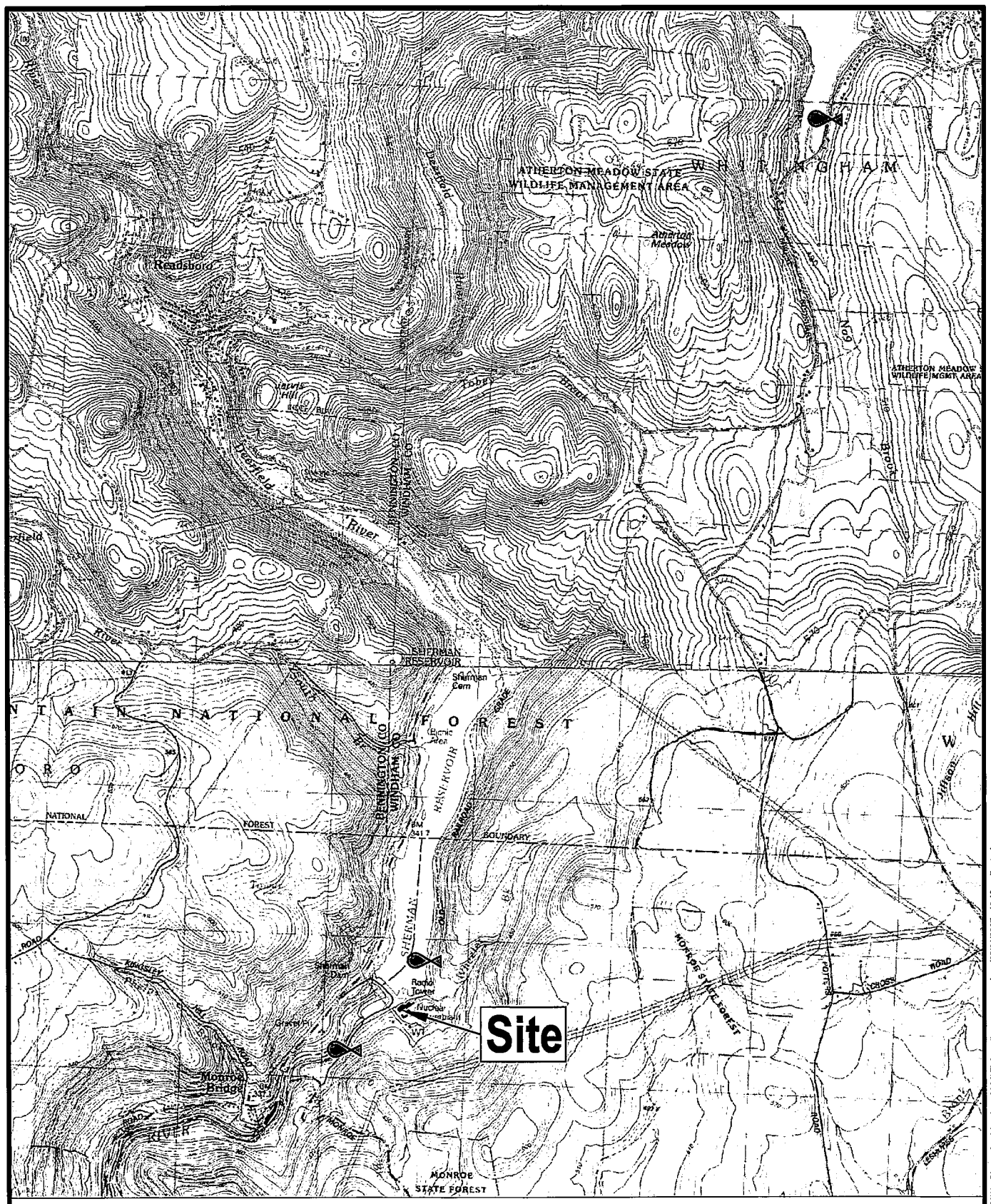


Figure 1 - Sampling Locations - Fish
Yankee Nuclear Power Plant - Rowe, MA

ERM

R:\Yankee Atomic\REPORT - Phase 2 addendum 2006\Fish sediment_recover.dwg (02/01/2007 - 10:18am Boston)

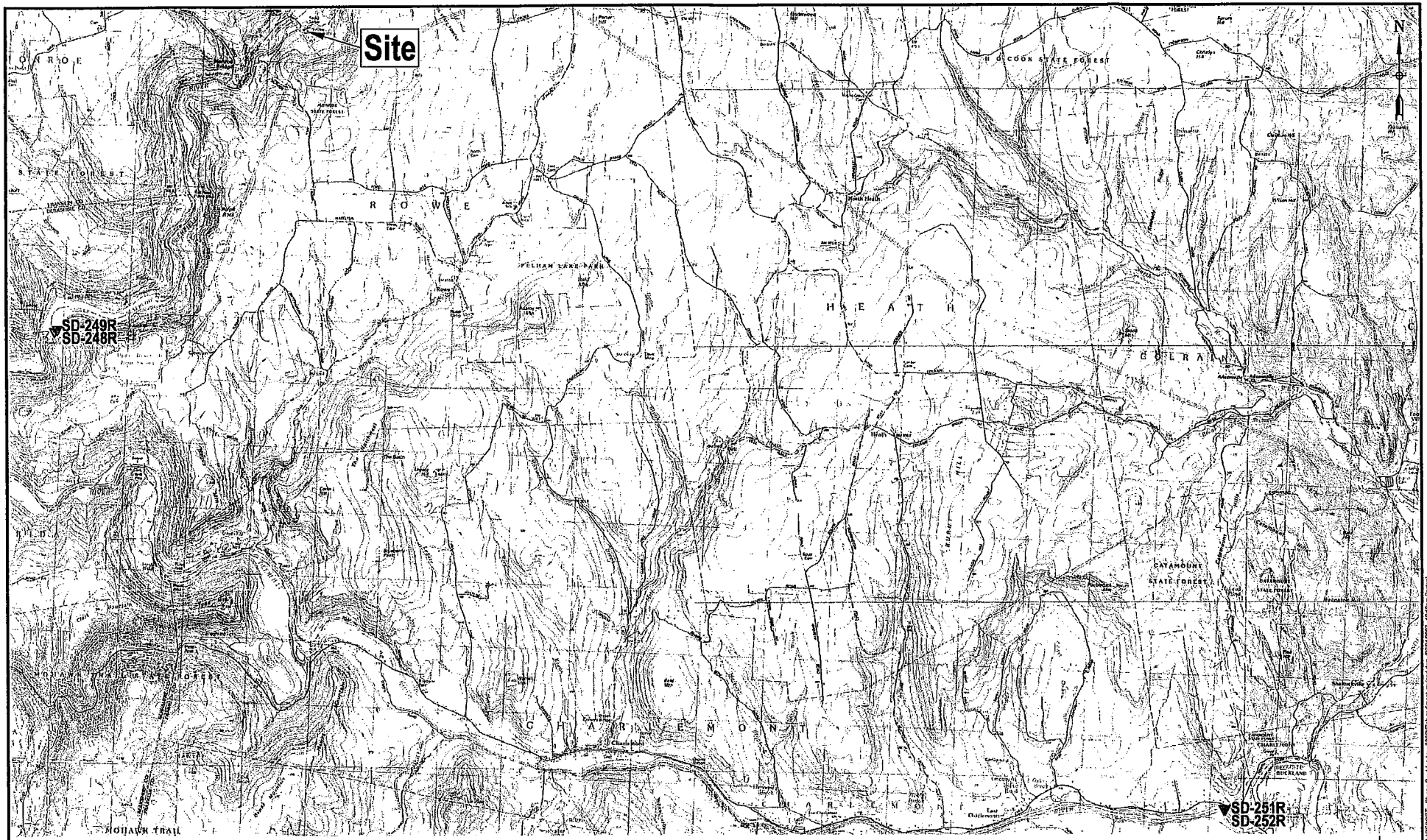


Figure 2 - Sample Locations - Downriver
Yankee Nuclear Power Plant - Rowe, MA

ERM

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Appendix A
Laboratory Reports

Electronic copies of the fish and groundwater laboratory reports are provided on the enclosed CD. Paper copies are available upon request.

ANALYTICAL METHODS SUMMARY

H6L060113

PARAMETER	ANALYTICAL METHOD
PCBs by SW-846 8082	SW846 8082

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

H6L060113

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JKVVA	001	FH-21 DEERFIELD FILET	11/30/06	11:00
JKVVC	002	FH-22 DEERFIELD WHOLE	11/27/06	11:55
JKVVD	003	FH-11 SHERMAN FILET	10/30/06	11:30
JKVVF	004	FH-11 SHERMAN FILET	11/13/06	14:00
JKVVG	005	FH-12 SHERMAN WHOLE	11/13/06	14:00
JKVVH	006	FH-12 SHERMAN WHOLE	10/30/06	11:30
JKVVJ	007	FH-01 HARRIMAN FILET	10/30/06	14:00
JKVVK	008	FH-02 HARRIMAN WHOLE	10/30/06	14:00
JKVVL	009	FH-FD-12 WHOLE	11/13/06	14:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-21 DEERFIELD FILET

GC Semivolatiles

Lot-Sample #...: H6L060113-001 **Work Order #...:** JKVVA1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 11/30/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	ND	10	ug/kg
Aroclor 1260	ND	10	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(45 - 139)
Decachlorobiphenyl	70	(51 - 151)

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-22 DEERFIELD WHOLE

GC Semivolatiles

Lot-Sample #...: H6L060113-002 **Work Order #...:** JKVVC1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 11/27/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	**10 AP**	**10**	**ug/kg**
Aroclor 1260	**10 AP**	**10**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	61	(45 - 139)
Decachlorobiphenyl	77	(51 - 151)

NOTE(S):

AP Altered Pattern

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-11 SHERMAN FILET

GC Semivolatiles

Lot-Sample #...: H6L060113-003 **Work Order #...:** JKVVD1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 10/30/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	ND	10	ug/kg
Aroclor 1260	ND	10	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(45 - 139)
Decachlorobiphenyl	82	(51 - 151)

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-11 SHERMAN FILET

GC Semivolatiles

Lot-Sample #...: H6L060113-004 **Work Order #...:** JKVVF1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 11/13/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	**14 AP**	**10**	**ug/kg**
Aroclor 1260	ND	10	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(45 - 139)
Decachlorobiphenyl	80	(51 - 151)

NOTE(S):

AP Altered Pattern

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-12 SHERMAN WHOLE

GC Semivolatiles

Lot-Sample #...: H6L060113-005 **Work Order #...:** JKVVG1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 11/13/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	**12 AP**	**10**	**ug/kg**
Aroclor 1260	**17 AP**	**10**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(45 - 139)
Decachlorobiphenyl	80	(51 - 151)

NOTE(S):

AP Altered Pattern

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-12 SHERMAN WHOLE

GC Semivolatiles

Lot-Sample #...: H6L060113-006 **Work Order #...:** JKVVH1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 10/30/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	**15 AP**	**10**	**ug/kg**
Aroclor 1260	**16 AP**	**10**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(45 - 139)
Decachlorobiphenyl	87	(51 - 151)

NOTE(S):

AP Altered Pattern

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-01 HARRIMAN FILET

GC Semivolatiles

Lot-Sample #...: H6L060113-007 **Work Order #...:** JKVVJ1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 10/30/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	ND	10	ug/kg
Aroclor 1260	ND	10	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(45 - 139)
Decachlorobiphenyl	77	(51 - 151)

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-02 HARRIMAN WHOLE

GC Semivolatiles

Lot-Sample #...: H6L060113-008 **Work Order #...:** JKVVK1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 10/30/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	ND	10	ug/kg
Aroclor 1260	ND	10	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(45 - 139)
Decachlorobiphenyl	77	(51 - 151)

YANKEE ATOMIC ELECTRIC CO

Client Sample ID: FH-FD-12 WHOLE

GC Semivolatiles

Lot-Sample #...: H6L060113-009 **Work Order #...:** JKVVL1AA **Matrix.....:** BIOLOGIC
Date Sampled...: 11/13/06 **Date Received..:** 12/06/06
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/kg
Aroclor 1221	ND	10	ug/kg
Aroclor 1232	ND	10	ug/kg
Aroclor 1242	ND	10	ug/kg
Aroclor 1248	ND	10	ug/kg
Aroclor 1254	**12 AP**	**10**	**ug/kg**
Aroclor 1260	**11 AP**	**10**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	51	(45 - 139)
Decachlorobiphenyl	69	(51 - 151)

NOTE(S):

AP Altered Pattern

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6L060113 **Work Order #...:** JK9C41AA **Matrix.....:** BIOLOGIC
MB Lot-Sample #: H6L120000-117

Prep Date.....: 12/12/06
Analysis Date..: 12/14/06 **Prep Batch #...:** 6346117
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	10	ug/kg	SW846 8082
Aroclor 1221	ND	10	ug/kg	SW846 8082
Aroclor 1232	ND	10	ug/kg	SW846 8082
Aroclor 1242	ND	10	ug/kg	SW846 8082
Aroclor 1248	ND	10	ug/kg	SW846 8082
Aroclor 1254	ND	10	ug/kg	SW846 8082
Aroclor 1260	ND	10	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(45 - 139)
Decachlorobiphenyl	68	(51 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6L060113 **Work Order #...:** JK9C41AC **Matrix.....:** BIOLOGIC
LCS Lot-Sample#: H6L120000-117
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**96**	**(59 - 123)**	**SW846 8082**
Aroclor 1260	**95**	**(59 - 122)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(45 - 139)
Decachlorobiphenyl	86	(51 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6L060113 **Work Order #...:** JK9C41AC **Matrix.....:** BIOLOGIC
LCS Lot-Sample#: H6L120000-117
Prep Date.....: 12/12/06 **Analysis Date..:** 12/14/06
Prep Batch #...: 6346117
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**50.0**	**48.0**	**ug/kg**	**96**	**SW846 8082**
Aroclor 1260	**50.0**	**47.5**	**ug/kg**	**95**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(45 - 139)
Decachlorobiphenyl	86	(51 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.010	0.0017	ng/g
PCB 2 (BZ)	ND		0.010	0.0027	ng/g
PCB 3 (BZ)	ND		0.010	0.0045	ng/g
PCB 4 (BZ)	**0.0044**	**Q J**	**0.020**	**0.0031**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0027	ng/g
PCB 6 (BZ)	ND		0.010	0.0024	ng/g
PCB 7 (BZ)	ND		0.010	0.0025	ng/g
PCB 8 (BZ)	**0.0038**	**Q B J**	**0.020**	**0.0024**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0024	ng/g
PCB 10 (BZ)	ND		0.010	0.0027	ng/g
PCB 11 (BZ)	ND		0.020	0.0026	ng/g
PCB 12 (BZ)	ND		0.010	0.0026	ng/g
PCB 13 (BZ)	ND		0.010	0.0026	ng/g
PCB 14 (BZ)	ND		0.010	0.0022	ng/g
PCB 15 (BZ)	ND		0.010	0.0028	ng/g
PCB 16 (BZ)	ND		0.010	0.0016	ng/g
PCB 17 (BZ)	ND		0.010	0.0014	ng/g
PCB 18 (BZ)	**0.0073**	**Q B C J**	**0.020**	**0.0012**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0015	ng/g
PCB 20 (BZ)	**0.029**	**B C**	**0.020**	**0.0021**	**ng/g**
PCB 21 (BZ)	**0.0061**	**B C J**	**0.010**	**0.0020**	**ng/g**
PCB 22 (BZ)	**0.0044**	**Q B J**	**0.010**	**0.0022**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.0022	ng/g
PCB 24 (BZ)	ND		0.010	0.0010	ng/g
PCB 25 (BZ)	ND		0.010	0.0019	ng/g
PCB 26 (BZ)	ND		0.010	0.0021	ng/g
PCB 27 (BZ)	ND		0.010	0.00096	ng/g
PCB 28 (BZ)	**0.029**	**B C20**	**0.020**	**0.0021**	**ng/g**
PCB 29 (BZ)	ND		0.010	0.0021	ng/g
PCB 30 (BZ)	**0.0073**	**Q B C18 J**	**0.020**	**0.0012**	**ng/g**
PCB 31 (BZ)	**0.015**	**B J**	**0.020**	**0.0021**	**ng/g**
PCB 32 (BZ)	**0.0028**	**Q J**	**0.010**	**0.00090**	**ng/g**
PCB 33 (BZ)	**0.0061**	**B C21 J**	**0.010**	**0.0020**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.0022	ng/g
PCB 35 (BZ)	ND		0.010	0.0023	ng/g
PCB 36 (BZ)	ND		0.010	0.0022	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.010	0.0023	ng/g
PCB 38 (BZ)	ND		0.010	0.0021	ng/g
PCB 39 (BZ)	ND		0.010	0.0020	ng/g
PCB 40 (BZ)	**0.0075**	**Q C J**	**0.010**	**0.0034**	**ng/g**
PCB 41 (BZ)	**0.0075**	**Q C40 J**	**0.010**	**0.0034**	**ng/g**
PCB 42 (BZ)	**0.012**	**Q**	**0.010**	**0.0036**	**ng/g**
PCB 43 (BZ)	ND		0.010	0.0032	ng/g
PCB 44 (BZ)	**0.043**	**B C**	**0.010**	**0.0030**	**ng/g**
PCB 45 (BZ)	ND		0.010	0.0035	ng/g
PCB 46 (BZ)	ND		0.010	0.0043	ng/g
PCB 47 (BZ)	**0.043**	**B C44**	**0.010**	**0.0030**	**ng/g**
PCB 48 (BZ)	ND		0.010	0.0035	ng/g
PCB 49 (BZ)	**0.044**	**C**	**0.010**	**0.0028**	**ng/g**
PCB 50 (BZ)	ND		0.010	0.0033	ng/g
PCB 51 (BZ)	ND		0.010	0.0035	ng/g
PCB 52 (BZ)	**0.10**	**B**	**0.010**	**0.0033**	**ng/g**
PCB 53 (BZ)	ND		0.010	0.0033	ng/g
PCB 54 (BZ)	ND		0.010	0.0016	ng/g
PCB 55 (BZ)	ND		0.010	0.0026	ng/g
PCB 56 (BZ)	**0.0084**	**Q B J**	**0.010**	**0.0025**	**ng/g**
PCB 57 (BZ)	**0.0063**	**J**	**0.010**	**0.0025**	**ng/g**
PCB 58 (BZ)	ND		0.010	0.0024	ng/g
PCB 59 (BZ)	ND		0.010	0.0023	ng/g
PCB 60 (BZ)	**0.019**		**0.010**	**0.0027**	**ng/g**
PCB 61 (BZ)	**0.17**	**B C**	**0.020**	**0.0023**	**ng/g**
PCB 62 (BZ)	ND		0.010	0.0023	ng/g
PCB 63 (BZ)	ND		0.010	0.0022	ng/g
PCB 64 (BZ)	**0.025**		**0.010**	**0.0022**	**ng/g**
PCB 65 (BZ)	**0.043**	**B C44**	**0.010**	**0.0030**	**ng/g**
PCB 66 (BZ)	**0.092**	**B**	**0.010**	**0.0024**	**ng/g**
PCB 67 (BZ)	ND		0.010	0.0021	ng/g
PCB 68 (BZ)	ND		0.010	0.0023	ng/g
PCB 69 (BZ)	**0.044**	**C49**	**0.010**	**0.0028**	**ng/g**
PCB 70 (BZ)	**0.17**	**B C61**	**0.020**	**0.0023**	**ng/g**
PCB 71 (BZ)	**0.0075**	**Q C40 J**	**0.010**	**0.0034**	**ng/g**
PCB 72 (BZ)	ND		0.010	0.0025	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.010	0.0032	ng/g
PCB 74 (BZ)	**0.17**	**B C61**	**0.020**	**0.0023**	**ng/g**
PCB 75 (BZ)	ND		0.010	0.0023	ng/g
PCB 76 (BZ)	**0.17**	**B C61**	**0.020**	**0.0023**	**ng/g**
PCB 77 (BZ)	**0.0092**	**J**	**0.010**	**0.0025**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.0027	ng/g
PCB 79 (BZ)	**0.0048**	**Q J**	**0.010**	**0.0021**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.0023	ng/g
PCB 81 (BZ)	ND		0.010	0.0024	ng/g
PCB 82 (BZ)	**0.027**	**Q**	**0.010**	**0.0042**	**ng/g**
PCB 83 (BZ)	**0.40**	**C**	**0.010**	**0.0036**	**ng/g**
PCB 84 (BZ)	**0.0080**	**Q J**	**0.010**	**0.0042**	**ng/g**
PCB 85 (BZ)	**0.12**	**C**	**0.010**	**0.0029**	**ng/g**
PCB 86 (BZ)	**0.24**	**C**	**0.010**	**0.0029**	**ng/g**
PCB 87 (BZ)	**0.24**	**C86**	**0.010**	**0.0029**	**ng/g**
PCB 88 (BZ)	**0.031**	**C**	**0.010**	**0.0036**	**ng/g**
PCB 89 (BZ)	ND		0.010	0.0040	ng/g
PCB 90 (BZ)	**0.48**	**C**	**0.010**	**0.0029**	**ng/g**
PCB 91 (BZ)	**0.031**	**C88**	**0.010**	**0.0036**	**ng/g**
PCB 92 (BZ)	**0.073**		**0.010**	**0.0035**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0034	ng/g
PCB 94 (BZ)	ND		0.010	0.0039	ng/g
PCB 95 (BZ)	**0.14**		**0.010**	**0.0035**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0027	ng/g
PCB 97 (BZ)	**0.24**	**C86**	**0.010**	**0.0029**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0034	ng/g
PCB 99 (BZ)	**0.40**	**C83**	**0.010**	**0.0036**	**ng/g**
PCB 100 (BZ)	ND		0.010	0.0034	ng/g
PCB 101 (BZ)	**0.48**	**C90**	**0.010**	**0.0029**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0034	ng/g
PCB 103 (BZ)	ND		0.010	0.0033	ng/g
PCB 104 (BZ)	ND		0.010	0.0025	ng/g
PCB 105 (BZ)	**0.29**		**0.010**	**0.0037**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0042	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.065**		**0.010**	**0.0040**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.028**	**Q C**	**0.010**	**0.0041**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.24**	**C86**	**0.010**	**0.0029**	**ng/g**
PCB 110 (BZ)	**0.49**	**B C**	**0.010**	**0.0025**	**ng/g**
PCB 111 (BZ)	ND		0.010	0.0024	ng/g
PCB 112 (BZ)	ND		0.010	0.0026	ng/g
PCB 113 (BZ)	**0.48**	**C90**	**0.010**	**0.0029**	**ng/g**
PCB 114 (BZ)	**0.019**		**0.010**	**0.0035**	**ng/g**
PCB 115 (BZ)	**0.49**	**B C110**	**0.010**	**0.0025**	**ng/g**
PCB 116 (BZ)	**0.12**	**C85**	**0.010**	**0.0029**	**ng/g**
PCB 117 (BZ)	**0.12**	**C85**	**0.010**	**0.0029**	**ng/g**
PCB 118 (BZ)	**0.87**		**0.010**	**0.0037**	**ng/g**
PCB 119 (BZ)	**0.24**	**C86**	**0.010**	**0.0029**	**ng/g**
PCB 120 (BZ)	ND		0.010	0.0024	ng/g
PCB 121 (BZ)	ND		0.010	0.0025	ng/g
PCB 122 (BZ)	ND		0.010	0.0042	ng/g
PCB 123 (BZ)	**0.021**	**Q**	**0.010**	**0.0036**	**ng/g**
PCB 124 (BZ)	**0.028**	**Q C108**	**0.010**	**0.0041**	**ng/g**
PCB 125 (BZ)	**0.24**	**C86**	**0.010**	**0.0029**	**ng/g**
PCB 126 (BZ)	**0.016**	**Q**	**0.010**	**0.0039**	**ng/g**
PCB 127 (BZ)	**0.0035**	**Q J**	**0.010**	**0.0038**	**ng/g**
PCB 128 (BZ)	**0.27**	**C**	**0.010**	**0.0059**	**ng/g**
PCB 129 (BZ)	**1.8**	**C**	**0.010**	**0.0060**	**ng/g**
PCB 130 (BZ)	**0.082**		**0.010**	**0.0080**	**ng/g**
PCB 131 (BZ)	ND		0.010	0.0081	ng/g
PCB 132 (BZ)	**0.18**		**0.010**	**0.0078**	**ng/g**
PCB 133 (BZ)	**0.030**		**0.010**	**0.0071**	**ng/g**
PCB 134 (BZ)	**0.019**	**C**	**0.010**	**0.0080**	**ng/g**
PCB 135 (BZ)	**0.13**	**C**	**0.010**	**0.0035**	**ng/g**
PCB 136 (BZ)	**0.013**	**Q**	**0.010**	**0.0026**	**ng/g**
PCB 137 (BZ)	**0.16**	**C**	**0.010**	**0.0059**	**ng/g**
PCB 138 (BZ)	**1.8**	**C129**	**0.010**	**0.0060**	**ng/g**
PCB 139 (BZ)	**0.025**	**C**	**0.010**	**0.0067**	**ng/g**
PCB 140 (BZ)	**0.025**	**C139**	**0.010**	**0.0067**	**ng/g**
PCB 141 (BZ)	**0.22**		**0.010**	**0.0075**	**ng/g**
PCB 142 (BZ)	ND		0.010	0.0079	ng/g
PCB 143 (BZ)	**0.019**	**C134**	**0.010**	**0.0080**	**ng/g**
PCB 144 (BZ)	**0.029**		**0.010**	**0.0034**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0025	ng/g
PCB 146 (BZ)	**0.26**		**0.010**	**0.0064**	**ng/g**
PCB 147 (BZ)	**0.70**	**C**	**0.010**	**0.0067**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0035	ng/g
PCB 149 (BZ)	**0.70**	**C147**	**0.010**	**0.0067**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0024	ng/g
PCB 151 (BZ)	**0.13**	**C135**	**0.010**	**0.0035**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0024	ng/g
PCB 153 (BZ)	**1.8**	**C**	**0.010**	**0.0052**	**ng/g**
PCB 154 (BZ)	**0.013**		**0.010**	**0.0029**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0023	ng/g
PCB 156 (BZ)	**0.17**	**C**	**0.010**	**0.0055**	**ng/g**
PCB 157 (BZ)	**0.17**	**C156**	**0.010**	**0.0055**	**ng/g**
PCB 158 (BZ)	**0.15**		**0.010**	**0.0046**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0050	ng/g
PCB 160 (BZ)	**1.8**	**C129**	**0.010**	**0.0060**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0049	ng/g
PCB 162 (BZ)	**0.0070**	**Q J**	**0.010**	**0.0050**	**ng/g**
PCB 163 (BZ)	**1.8**	**C129**	**0.010**	**0.0060**	**ng/g**
PCB 164 (BZ)	**0.16**	**C137**	**0.010**	**0.0059**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0056	ng/g
PCB 166 (BZ)	**0.27**	**C128**	**0.010**	**0.0059**	**ng/g**
PCB 167 (BZ)	**0.063**		**0.010**	**0.0039**	**ng/g**
PCB 168 (BZ)	**1.8**	**C153**	**0.010**	**0.0052**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0046	ng/g
PCB 170 (BZ)	**0.23**		**0.010**	**0.0047**	**ng/g**
PCB 171 (BZ)	**0.069**	**C**	**0.010**	**0.0042**	**ng/g**
PCB 172 (BZ)	**0.058**		**0.010**	**0.0042**	**ng/g**
PCB 173 (BZ)	**0.069**	**C171**	**0.010**	**0.0042**	**ng/g**
PCB 174 (BZ)	**0.14**		**0.010**	**0.0038**	**ng/g**
PCB 175 (BZ)	**0.013**		**0.010**	**0.0037**	**ng/g**
PCB 176 (BZ)	**0.013**		**0.010**	**0.0027**	**ng/g**
PCB 177 (BZ)	**0.13**		**0.010**	**0.0040**	**ng/g**
PCB 178 (BZ)	**0.040**		**0.010**	**0.0040**	**ng/g**
PCB 179 (BZ)	**0.022**		**0.010**	**0.0029**	**ng/g**
PCB 180 (BZ)	**0.61**	**C**	**0.010**	**0.0031**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.010	0.0036	ng/g
PCB 182 (BZ)	**0.0088**	**J**	**0.010**	**0.0035**	**ng/g**
PCB 183 (BZ)	**0.20**	**C**	**0.010**	**0.0037**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0029	ng/g
PCB 185 (BZ)	**0.20**	**C183**	**0.010**	**0.0037**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.0029	ng/g
PCB 187 (BZ)	**0.51**		**0.010**	**0.0034**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.0025	ng/g
PCB 189 (BZ)	**0.0084**	**Q J**	**0.010**	**0.0043**	**ng/g**
PCB 190 (BZ)	**0.049**		**0.010**	**0.0029**	**ng/g**
PCB 191 (BZ)	**0.015**		**0.010**	**0.0027**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0031	ng/g
PCB 193 (BZ)	**0.61**	**C180**	**0.010**	**0.0031**	**ng/g**
PCB 194 (BZ)	**0.17**		**0.010**	**0.0061**	**ng/g**
PCB 195 (BZ)	**0.065**		**0.010**	**0.0066**	**ng/g**
PCB 196 (BZ)	**0.055**		**0.010**	**0.0024**	**ng/g**
PCB 197 (BZ)	**0.018**	**C**	**0.010**	**0.0017**	**ng/g**
PCB 198 (BZ)	**0.18**	**C**	**0.010**	**0.0024**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.18**	**C198**	**0.010**	**0.0024**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.018**	**C197**	**0.010**	**0.0017**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.017**		**0.010**	**0.0016**	**ng/g**
PCB 202 (BZ)	**0.029**		**0.010**	**0.0018**	**ng/g**
PCB 203 (BZ)	**0.13**		**0.010**	**0.0022**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.0017	ng/g
PCB 205 (BZ)	**0.0094**	**Q J**	**0.010**	**0.0049**	**ng/g**
PCB 206 (BZ)	**0.10**		**0.010**	**0.0030**	**ng/g**
PCB 207 (BZ)	**0.013**		**0.010**	**0.0018**	**ng/g**
PCB 208 (BZ)	**0.036**		**0.010**	**0.0018**	**ng/g**
PCB 209 (BZ)	**0.048**		**0.010**	**0.0019**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	25	*	30 - 140
13C12-PCB 3	13	*	30 - 140
13C12-PCB 4	77		30 - 140
13C12-PCB 15	70		30 - 140
13C12-PCB 19	79		30 - 140
13C12-PCB 37	95		30 - 140
13C12-PCB 54	99		30 - 140
13C12-PCB 77	69		30 - 140
13C12-PCB 81	71		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	78		30 - 140
13C12-PCB 114	80		30 - 140
13C12-PCB 118	80		30 - 140
13C12-PCB 123	78		30 - 140
13C12-PCB 126	77		30 - 140
13C12-PCB 155	120		30 - 140
13C12-PCB 156	68	C	30 - 140
13C12-PCB 157	68	C	30 - 140
13C12-PCB 167	68		30 - 140
13C12-PCB 169	60		30 - 140
13C12-PCB 170	79		30 - 140
13C12-PCB 188	88		30 - 140
13C12-PCB 189	92		30 - 140
13C12-PCB 202	121		30 - 140
13C12-PCB 205	78		30 - 140
13C12-PCB 206	96		30 - 140
13C12-PCB 208	119		30 - 140
13C12-PCB 209	139		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	92	40 - 125
13C12-PCB 111	89	40 - 125
13C12-PCB 178	90	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-21 DEERFIELD FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 001	**Work Order #....:**	JKVWC1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.050	0.015	ng/g
PCB 2 (BZ)	ND		0.050	0.030	ng/g
PCB 3 (BZ)	ND		0.050	0.16	ng/g
PCB 4 (BZ)	ND		0.10	0.014	ng/g
PCB 5 (BZ)	ND		0.050	0.014	ng/g
PCB 6 (BZ)	ND		0.050	0.012	ng/g
PCB 7 (BZ)	ND		0.050	0.012	ng/g
PCB 8 (BZ)	**0.0095**	**Q B J**	**0.10**	**0.012**	**ng/g**
PCB 9 (BZ)	ND		0.050	0.012	ng/g
PCB 10 (BZ)	ND		0.050	0.013	ng/g
PCB 11 (BZ)	ND		0.10	0.013	ng/g
PCB 12 (BZ)	ND		0.050	0.013	ng/g
PCB 13 (BZ)	ND		0.050	0.013	ng/g
PCB 14 (BZ)	ND		0.050	0.011	ng/g
PCB 15 (BZ)	ND		0.050	0.015	ng/g
PCB 16 (BZ)	ND		0.050	0.0061	ng/g
PCB 17 (BZ)	**0.0063**	**Q B J**	**0.050**	**0.0052**	**ng/g**
PCB 18 (BZ)	**0.019**	**Q B C J**	**0.10**	**0.0044**	**ng/g**
PCB 19 (BZ)	ND		0.050	0.0058	ng/g
PCB 20 (BZ)	**0.066**	**Q B C J**	**0.10**	**0.0046**	**ng/g**
PCB 21 (BZ)	**0.021**	**B C J**	**0.050**	**0.0046**	**ng/g**
PCB 22 (BZ)	**0.016**	**Q B J**	**0.050**	**0.0049**	**ng/g**
PCB 23 (BZ)	ND		0.050	0.0049	ng/g
PCB 24 (BZ)	ND		0.050	0.0039	ng/g
PCB 25 (BZ)	ND		0.050	0.0042	ng/g
PCB 26 (BZ)	**0.011**	**C J**	**0.050**	**0.0047**	**ng/g**
PCB 27 (BZ)	ND		0.050	0.0036	ng/g
PCB 28 (BZ)	**0.066**	**Q B C20 J**	**0.10**	**0.0046**	**ng/g**
PCB 29 (BZ)	**0.011**	**C26 J**	**0.050**	**0.0047**	**ng/g**
PCB 30 (BZ)	**0.019**	**Q B C18 J**	**0.10**	**0.0044**	**ng/g**
PCB 31 (BZ)	**0.054**	**B J**	**0.10**	**0.0046**	**ng/g**
PCB 32 (BZ)	**0.0076**	**Q J**	**0.050**	**0.0034**	**ng/g**
PCB 33 (BZ)	**0.021**	**B C21 J**	**0.050**	**0.0046**	**ng/g**
PCB 34 (BZ)	ND		0.050	0.0049	ng/g
PCB 35 (BZ)	ND		0.050	0.0051	ng/g
PCB 36 (BZ)	ND		0.050	0.0050	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.050	0.0051	ng/g
PCB 38 (BZ)	ND		0.050	0.0048	ng/g
PCB 39 (BZ)	ND		0.050	0.0045	ng/g
PCB 40 (BZ)	**0.018**	**Q C J**	**0.050**	**0.0071**	**ng/g**
PCB 41 (BZ)	**0.018**	**Q C40 J**	**0.050**	**0.0071**	**ng/g**
PCB 42 (BZ)	**0.023**	**J**	**0.050**	**0.0074**	**ng/g**
PCB 43 (BZ)	**0.0093**	**Q C J**	**0.050**	**0.0066**	**ng/g**
PCB 44 (BZ)	**0.10**	**B C**	**0.050**	**0.0062**	**ng/g**
PCB 45 (BZ)	ND		0.050	0.0073	ng/g
PCB 46 (BZ)	ND		0.050	0.0090	ng/g
PCB 47 (BZ)	**0.10**	**B C44**	**0.050**	**0.0062**	**ng/g**
PCB 48 (BZ)	ND		0.050	0.0073	ng/g
PCB 49 (BZ)	**0.13**	**C**	**0.050**	**0.0058**	**ng/g**
PCB 50 (BZ)	ND		0.050	0.0067	ng/g
PCB 51 (BZ)	ND		0.050	0.0073	ng/g
PCB 52 (BZ)	**0.29**	**B**	**0.050**	**0.0068**	**ng/g**
PCB 53 (BZ)	ND		0.050	0.0067	ng/g
PCB 54 (BZ)	ND		0.050	0.0046	ng/g
PCB 55 (BZ)	**0.014**	**Q J**	**0.050**	**0.0055**	**ng/g**
PCB 56 (BZ)	**0.019**	**Q B J**	**0.050**	**0.0052**	**ng/g**
PCB 57 (BZ)	ND		0.050	0.0052	ng/g
PCB 58 (BZ)	ND		0.050	0.0050	ng/g
PCB 59 (BZ)	**0.012**	**Q C J**	**0.050**	**0.0049**	**ng/g**
PCB 60 (BZ)	**0.041**	**J**	**0.050**	**0.0055**	**ng/g**
PCB 61 (BZ)	**0.39**	**B C**	**0.10**	**0.0048**	**ng/g**
PCB 62 (BZ)	**0.012**	**Q C59 J**	**0.050**	**0.0049**	**ng/g**
PCB 63 (BZ)	**0.0097**	**J**	**0.050**	**0.0047**	**ng/g**
PCB 64 (BZ)	**0.073**		**0.050**	**0.0046**	**ng/g**
PCB 65 (BZ)	**0.10**	**B C44**	**0.050**	**0.0062**	**ng/g**
PCB 66 (BZ)	**0.20**	**B**	**0.050**	**0.0050**	**ng/g**
PCB 67 (BZ)	**0.0047**	**J**	**0.050**	**0.0045**	**ng/g**
PCB 68 (BZ)	ND		0.050	0.0048	ng/g
PCB 69 (BZ)	**0.13**	**C49**	**0.050**	**0.0058**	**ng/g**
PCB 70 (BZ)	**0.39**	**B C61**	**0.10**	**0.0048**	**ng/g**
PCB 71 (BZ)	**0.018**	**Q C40 J**	**0.050**	**0.0071**	**ng/g**
PCB 72 (BZ)	ND		0.050	0.0052	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	**0.0093**	**Q C43 J**	**0.050**	**0.0066**	**ng/g**
PCB 74 (BZ)	**0.39**	**B C61**	**0.10**	**0.0048**	**ng/g**
PCB 75 (BZ)	**0.012**	**Q C59 J**	**0.050**	**0.0049**	**ng/g**
PCB 76 (BZ)	**0.39**	**B C61**	**0.10**	**0.0048**	**ng/g**
PCB 77 (BZ)	**0.018**	**Q J**	**0.050**	**0.0054**	**ng/g**
PCB 78 (BZ)	ND		0.050	0.0056	ng/g
PCB 79 (BZ)	**0.0093**	**Q J**	**0.050**	**0.0043**	**ng/g**
PCB 80 (BZ)	ND		0.050	0.0048	ng/g
PCB 81 (BZ)	ND		0.050	0.0048	ng/g
PCB 82 (BZ)	**0.084**	**Q**	**0.050**	**0.012**	**ng/g**
PCB 83 (BZ)	**0.94**	**C**	**0.050**	**0.010**	**ng/g**
PCB 84 (BZ)	**0.027**	**J**	**0.050**	**0.012**	**ng/g**
PCB 85 (BZ)	**0.31**	**C**	**0.050**	**0.0083**	**ng/g**
PCB 86 (BZ)	**0.70**	**C**	**0.050**	**0.0083**	**ng/g**
PCB 87 (BZ)	**0.70**	**C86**	**0.050**	**0.0083**	**ng/g**
PCB 88 (BZ)	**0.11**	**C**	**0.050**	**0.010**	**ng/g**
PCB 89 (BZ)	ND		0.050	0.011	ng/g
PCB 90 (BZ)	**1.2**	**C**	**0.050**	**0.0084**	**ng/g**
PCB 91 (BZ)	**0.11**	**C88**	**0.050**	**0.010**	**ng/g**
PCB 92 (BZ)	**0.20**		**0.050**	**0.010**	**ng/g**
PCB 93 (BZ)	ND		0.050	0.0098	ng/g
PCB 94 (BZ)	ND		0.050	0.011	ng/g
PCB 95 (BZ)	**0.42**		**0.050**	**0.010**	**ng/g**
PCB 96 (BZ)	ND		0.050	0.0078	ng/g
PCB 97 (BZ)	**0.70**	**C86**	**0.050**	**0.0083**	**ng/g**
PCB 98 (BZ)	ND		0.050	0.0096	ng/g
PCB 99 (BZ)	**0.94**	**C83**	**0.050**	**0.010**	**ng/g**
PCB 100 (BZ)	ND		0.050	0.0098	ng/g
PCB 101 (BZ)	**1.2**	**C90**	**0.050**	**0.0084**	**ng/g**
PCB 102 (BZ)	ND		0.050	0.0096	ng/g
PCB 103 (BZ)	ND		0.050	0.0095	ng/g
PCB 104 (BZ)	ND		0.050	0.0071	ng/g
PCB 105 (BZ)	**0.51**		**0.050**	**0.0062**	**ng/g**
PCB 106 (BZ)	ND		0.050	0.0073	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.13**		**0.050**	**0.0069**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.054**	**C**	**0.050**	**0.0071**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.70**	**C86**	**0.050**	**0.0083**	**ng/g**
PCB 110 (BZ)	**1.5**	**B C**	**0.050**	**0.0072**	**ng/g**
PCB 111 (BZ)	ND		0.050	0.0068	ng/g
PCB 112 (BZ)	ND		0.050	0.0074	ng/g
PCB 113 (BZ)	**1.2**	**C90**	**0.050**	**0.0084**	**ng/g**
PCB 114 (BZ)	**0.034**	**Q J**	**0.050**	**0.0060**	**ng/g**
PCB 115 (BZ)	**1.5**	**B C110**	**0.050**	**0.0072**	**ng/g**
PCB 116 (BZ)	**0.31**	**C85**	**0.050**	**0.0083**	**ng/g**
PCB 117 (BZ)	**0.31**	**C85**	**0.050**	**0.0083**	**ng/g**
PCB 118 (BZ)	**1.5**		**0.050**	**0.0063**	**ng/g**
PCB 119 (BZ)	**0.70**	**C86**	**0.050**	**0.0083**	**ng/g**
PCB 120 (BZ)	**0.016**	**J**	**0.050**	**0.0069**	**ng/g**
PCB 121 (BZ)	ND		0.050	0.0072	ng/g
PCB 122 (BZ)	ND		0.050	0.0074	ng/g
PCB 123 (BZ)	**0.027**	**Q J**	**0.050**	**0.0061**	**ng/g**
PCB 124 (BZ)	**0.054**	**C108**	**0.050**	**0.0071**	**ng/g**
PCB 125 (BZ)	**0.70**	**C86**	**0.050**	**0.0083**	**ng/g**
PCB 126 (BZ)	**0.041**	**J**	**0.050**	**0.0075**	**ng/g**
PCB 127 (BZ)	ND		0.050	0.0066	ng/g
PCB 128 (BZ)	**0.51**	**C**	**0.050**	**0.0085**	**ng/g**
PCB 129 (BZ)	**3.2**	**C**	**0.050**	**0.0086**	**ng/g**
PCB 130 (BZ)	**0.17**		**0.050**	**0.011**	**ng/g**
PCB 131 (BZ)	ND		0.050	0.012	ng/g
PCB 132 (BZ)	**0.35**		**0.050**	**0.011**	**ng/g**
PCB 133 (BZ)	**0.039**	**Q J**	**0.050**	**0.010**	**ng/g**
PCB 134 (BZ)	**0.033**	**Q C J**	**0.050**	**0.011**	**ng/g**
PCB 135 (BZ)	**0.32**	**C**	**0.050**	**0.012**	**ng/g**
PCB 136 (BZ)	**0.045**	**J**	**0.050**	**0.0090**	**ng/g**
PCB 137 (BZ)	**0.28**	**C**	**0.050**	**0.0084**	**ng/g**
PCB 138 (BZ)	**3.2**	**C129**	**0.050**	**0.0086**	**ng/g**
PCB 139 (BZ)	**0.051**	**Q C**	**0.050**	**0.0096**	**ng/g**
PCB 140 (BZ)	**0.051**	**Q C139**	**0.050**	**0.0096**	**ng/g**
PCB 141 (BZ)	**0.36**		**0.050**	**0.011**	**ng/g**
PCB 142 (BZ)	ND		0.050	0.011	ng/g
PCB 143 (BZ)	**0.033**	**Q C134 J**	**0.050**	**0.011**	**ng/g**
PCB 144 (BZ)	**0.057**	**Q**	**0.050**	**0.012**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.050	0.0088	ng/g
PCB 146 (BZ)	**0.42**		**0.050**	**0.0092**	**ng/g**
PCB 147 (BZ)	**1.3**	**C**	**0.050**	**0.0096**	**ng/g**
PCB 148 (BZ)	ND		0.050	0.012	ng/g
PCB 149 (BZ)	**1.3**	**C147**	**0.050**	**0.0096**	**ng/g**
PCB 150 (BZ)	ND		0.050	0.0085	ng/g
PCB 151 (BZ)	**0.32**	**C135**	**0.050**	**0.012**	**ng/g**
PCB 152 (BZ)	ND		0.050	0.0085	ng/g
PCB 153 (BZ)	**2.7**	**C**	**0.050**	**0.0074**	**ng/g**
PCB 154 (BZ)	**0.033**	**Q J**	**0.050**	**0.010**	**ng/g**
PCB 155 (BZ)	ND		0.050	0.0080	ng/g
PCB 156 (BZ)	**0.32**	**C**	**0.050**	**0.0077**	**ng/g**
PCB 157 (BZ)	**0.32**	**C156**	**0.050**	**0.0077**	**ng/g**
PCB 158 (BZ)	**0.25**	**Q**	**0.050**	**0.0067**	**ng/g**
PCB 159 (BZ)	ND		0.050	0.0072	ng/g
PCB 160 (BZ)	**3.2**	**C129**	**0.050**	**0.0086**	**ng/g**
PCB 161 (BZ)	ND		0.050	0.0071	ng/g
PCB 162 (BZ)	**0.017**	**Q J**	**0.050**	**0.0072**	**ng/g**
PCB 163 (BZ)	**3.2**	**C129**	**0.050**	**0.0086**	**ng/g**
PCB 164 (BZ)	**0.28**	**C137**	**0.050**	**0.0084**	**ng/g**
PCB 165 (BZ)	ND		0.050	0.0080	ng/g
PCB 166 (BZ)	**0.51**	**C128**	**0.050**	**0.0085**	**ng/g**
PCB 167 (BZ)	**0.12**		**0.050**	**0.0057**	**ng/g**
PCB 168 (BZ)	**2.7**	**C153**	**0.050**	**0.0074**	**ng/g**
PCB 169 (BZ)	**0.0086**	**Q J**	**0.050**	**0.0068**	**ng/g**
PCB 170 (BZ)	**0.45**		**0.050**	**0.0080**	**ng/g**
PCB 171 (BZ)	**0.14**	**C**	**0.050**	**0.0083**	**ng/g**
PCB 172 (BZ)	**0.11**		**0.050**	**0.0083**	**ng/g**
PCB 173 (BZ)	**0.14**	**C171**	**0.050**	**0.0083**	**ng/g**
PCB 174 (BZ)	**0.32**		**0.050**	**0.0076**	**ng/g**
PCB 175 (BZ)	ND		0.050	0.0074	ng/g
PCB 176 (BZ)	**0.031**	**Q J**	**0.050**	**0.0054**	**ng/g**
PCB 177 (BZ)	**0.27**		**0.050**	**0.0080**	**ng/g**
PCB 178 (BZ)	**0.093**		**0.050**	**0.0079**	**ng/g**
PCB 179 (BZ)	**0.052**		**0.050**	**0.0058**	**ng/g**
PCB 180 (BZ)	**1.3**	**C**	**0.050**	**0.0062**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.050	0.0072	ng/g
PCB 182 (BZ)	ND		0.050	0.0070	ng/g
PCB 183 (BZ)	**0.38**	**C**	**0.050**	**0.0073**	**ng/g**
PCB 184 (BZ)	ND		0.050	0.0058	ng/g
PCB 185 (BZ)	**0.38**	**C183**	**0.050**	**0.0073**	**ng/g**
PCB 186 (BZ)	ND		0.050	0.0057	ng/g
PCB 187 (BZ)	**0.95**		**0.050**	**0.0068**	**ng/g**
PCB 188 (BZ)	ND		0.050	0.0055	ng/g
PCB 189 (BZ)	**0.018**	**J**	**0.050**	**0.0068**	**ng/g**
PCB 190 (BZ)	**0.11**		**0.050**	**0.0057**	**ng/g**
PCB 191 (BZ)	**0.024**	**Q J**	**0.050**	**0.0054**	**ng/g**
PCB 192 (BZ)	ND		0.050	0.0062	ng/g
PCB 193 (BZ)	**1.3**	**C180**	**0.050**	**0.0062**	**ng/g**
PCB 194 (BZ)	**0.28**		**0.050**	**0.0060**	**ng/g**
PCB 195 (BZ)	**0.11**		**0.050**	**0.0066**	**ng/g**
PCB 196 (BZ)	**0.15**		**0.050**	**0.0063**	**ng/g**
PCB 197 (BZ)	**0.030**	**Q C J**	**0.050**	**0.0044**	**ng/g**
PCB 198 (BZ)	**0.44**	**C**	**0.050**	**0.0064**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.44**	**C198**	**0.050**	**0.0064**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.030**	**Q C197 J**	**0.050**	**0.0044**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.036**	**Q J**	**0.050**	**0.0042**	**ng/g**
PCB 202 (BZ)	**0.056**		**0.050**	**0.0048**	**ng/g**
PCB 203 (BZ)	**0.32**		**0.050**	**0.0057**	**ng/g**
PCB 204 (BZ)	ND		0.050	0.0045	ng/g
PCB 205 (BZ)	**0.012**	**Q J**	**0.050**	**0.0049**	**ng/g**
PCB 206 (BZ)	**0.16**		**0.050**	**0.0062**	**ng/g**
PCB 207 (BZ)	**0.014**	**Q J**	**0.050**	**0.0041**	**ng/g**
PCB 208 (BZ)	**0.054**		**0.050**	**0.0042**	**ng/g**
PCB 209 (BZ)	**0.070**	**Q**	**0.050**	**0.0046**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	7.1	*	30 - 140
13C12-PCB 3	0.89	*	30 - 140
13C12-PCB 4	70		30 - 140
13C12-PCB 15	63		30 - 140
13C12-PCB 19	76		30 - 140
13C12-PCB 37	72		30 - 140
13C12-PCB 54	113		30 - 140
13C12-PCB 77	74		30 - 140
13C12-PCB 81	74		30 - 140
13C12-PCB 104	72		30 - 140
13C12-PCB 105	77		30 - 140
13C12-PCB 114	76		30 - 140
13C12-PCB 118	76		30 - 140
13C12-PCB 123	73		30 - 140
13C12-PCB 126	72		30 - 140
13C12-PCB 155	88		30 - 140
13C12-PCB 156	74	C	30 - 140
13C12-PCB 157	74	C	30 - 140
13C12-PCB 167	73		30 - 140
13C12-PCB 169	65		30 - 140
13C12-PCB 170	79		30 - 140
13C12-PCB 188	68		30 - 140
13C12-PCB 189	65		30 - 140
13C12-PCB 202	74		30 - 140
13C12-PCB 205	74		30 - 140
13C12-PCB 206	89		30 - 140
13C12-PCB 208	98		30 - 140
13C12-PCB 209	99		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	89	40 - 125
13C12-PCB 111	86	40 - 125
13C12-PCB 178	73	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-22 DEERFIELD WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 002	**Work Order #....:**	JKVWH1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/27/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.010	0.00039	ng/g
PCB 2 (BZ)	ND		0.010	0.00063	ng/g
PCB 3 (BZ)	ND		0.010	0.0012	ng/g
PCB 4 (BZ)	ND		0.020	0.0021	ng/g
PCB 5 (BZ)	ND		0.010	0.0020	ng/g
PCB 6 (BZ)	ND		0.010	0.0017	ng/g
PCB 7 (BZ)	ND		0.010	0.0018	ng/g
PCB 8 (BZ)	**0.0024**	**Q B J**	**0.020**	**0.0017**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0018	ng/g
PCB 10 (BZ)	ND		0.010	0.0019	ng/g
PCB 11 (BZ)	**0.0014**	**Q B J**	**0.020**	**0.0019**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0018	ng/g
PCB 13 (BZ)	ND		0.010	0.0018	ng/g
PCB 14 (BZ)	ND		0.010	0.0015	ng/g
PCB 15 (BZ)	ND		0.010	0.0022	ng/g
PCB 16 (BZ)	ND		0.010	0.00082	ng/g
PCB 17 (BZ)	**0.0023**	**Q B J**	**0.010**	**0.00071**	**ng/g**
PCB 18 (BZ)	**0.0043**	**B C J**	**0.020**	**0.00060**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00079	ng/g
PCB 20 (BZ)	**0.034**	**B C**	**0.020**	**0.00071**	**ng/g**
PCB 21 (BZ)	**0.0052**	**Q B C J**	**0.010**	**0.00071**	**ng/g**
PCB 22 (BZ)	**0.0043**	**Q B J**	**0.010**	**0.00076**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00076	ng/g
PCB 24 (BZ)	ND		0.010	0.00052	ng/g
PCB 25 (BZ)	**0.0019**	**J**	**0.010**	**0.00065**	**ng/g**
PCB 26 (BZ)	**0.0038**	**C J**	**0.010**	**0.00072**	**ng/g**
PCB 27 (BZ)	ND		0.010	0.00049	ng/g
PCB 28 (BZ)	**0.034**	**B C20**	**0.020**	**0.00071**	**ng/g**
PCB 29 (BZ)	**0.0038**	**C26 J**	**0.010**	**0.00072**	**ng/g**
PCB 30 (BZ)	**0.0043**	**B C18 J**	**0.020**	**0.00060**	**ng/g**
PCB 31 (BZ)	**0.020**	**B J**	**0.020**	**0.00071**	**ng/g**
PCB 32 (BZ)	**0.0018**	**Q J**	**0.010**	**0.00046**	**ng/g**
PCB 33 (BZ)	**0.0052**	**Q B C21 J**	**0.010**	**0.00071**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00075	ng/g
PCB 35 (BZ)	ND		0.010	0.00079	ng/g
PCB 36 (BZ)	ND		0.010	0.00077	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.0013**	**Q J**	**0.010**	**0.00078**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00074	ng/g
PCB 39 (BZ)	ND		0.010	0.00070	ng/g
PCB 40 (BZ)	**0.0069**	**C J**	**0.010**	**0.0010**	**ng/g**
PCB 41 (BZ)	**0.0069**	**C40 J**	**0.010**	**0.0010**	**ng/g**
PCB 42 (BZ)	**0.011**		**0.010**	**0.0011**	**ng/g**
PCB 43 (BZ)	**0.0019**	**Q C J**	**0.010**	**0.00097**	**ng/g**
PCB 44 (BZ)	**0.051**	**B C**	**0.010**	**0.00090**	**ng/g**
PCB 45 (BZ)	**0.0025**	**C J**	**0.010**	**0.0011**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0013	ng/g
PCB 47 (BZ)	**0.051**	**B C44**	**0.010**	**0.00090**	**ng/g**
PCB 48 (BZ)	ND		0.010	0.0011	ng/g
PCB 49 (BZ)	**0.057**	**C**	**0.010**	**0.00084**	**ng/g**
PCB 50 (BZ)	**0.0019**	**C J**	**0.010**	**0.00098**	**ng/g**
PCB 51 (BZ)	**0.0025**	**C45 J**	**0.010**	**0.0011**	**ng/g**
PCB 52 (BZ)	**0.11**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 53 (BZ)	**0.0019**	**C50 J**	**0.010**	**0.00098**	**ng/g**
PCB 54 (BZ)	ND		0.010	0.00081	ng/g
PCB 55 (BZ)	ND		0.010	0.00080	ng/g
PCB 56 (BZ)	**0.0051**	**B J**	**0.010**	**0.00075**	**ng/g**
PCB 57 (BZ)	**0.00046**	**Q J**	**0.010**	**0.00075**	**ng/g**
PCB 58 (BZ)	**0.00048**	**Q J**	**0.010**	**0.00073**	**ng/g**
PCB 59 (BZ)	**0.0051**	**Q C J**	**0.010**	**0.00071**	**ng/g**
PCB 60 (BZ)	**0.019**	**Q**	**0.010**	**0.00080**	**ng/g**
PCB 61 (BZ)	**0.17**	**B C**	**0.020**	**0.00071**	**ng/g**
PCB 62 (BZ)	**0.0051**	**Q C59 J**	**0.010**	**0.00071**	**ng/g**
PCB 63 (BZ)	**0.0061**	**J**	**0.010**	**0.00068**	**ng/g**
PCB 64 (BZ)	**0.029**		**0.010**	**0.00068**	**ng/g**
PCB 65 (BZ)	**0.051**	**B C44**	**0.010**	**0.00090**	**ng/g**
PCB 66 (BZ)	**0.11**	**B**	**0.010**	**0.00072**	**ng/g**
PCB 67 (BZ)	**0.0013**	**Q J**	**0.010**	**0.00065**	**ng/g**
PCB 68 (BZ)	**0.0027**	**J**	**0.010**	**0.00070**	**ng/g**
PCB 69 (BZ)	**0.057**	**C49**	**0.010**	**0.00084**	**ng/g**
PCB 70 (BZ)	**0.17**	**B C61**	**0.020**	**0.00071**	**ng/g**
PCB 71 (BZ)	**0.0069**	**C40 J**	**0.010**	**0.0010**	**ng/g**
PCB 72 (BZ)	**0.0029**	**J**	**0.010**	**0.00075**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	**0.0019**	**Q C43 J**	**0.010**	**0.00097**	**ng/g**
PCB 74 (BZ)	**0.17**	**B C61**	**0.020**	**0.00071**	**ng/g**
PCB 75 (BZ)	**0.0051**	**Q C59 J**	**0.010**	**0.00071**	**ng/g**
PCB 76 (BZ)	**0.17**	**B C61**	**0.020**	**0.00071**	**ng/g**
PCB 77 (BZ)	**0.0077**	**J**	**0.010**	**0.00077**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00082	ng/g
PCB 79 (BZ)	**0.0043**	**J**	**0.010**	**0.00063**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00070	ng/g
PCB 81 (BZ)	ND		0.010	0.00073	ng/g
PCB 82 (BZ)	**0.022**		**0.010**	**0.0018**	**ng/g**
PCB 83 (BZ)	**0.50**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 84 (BZ)	**0.0056**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 85 (BZ)	**0.12**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 86 (BZ)	**0.29**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 87 (BZ)	**0.29**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 88 (BZ)	**0.050**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	**0.63**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 91 (BZ)	**0.050**	**C88**	**0.010**	**0.0016**	**ng/g**
PCB 92 (BZ)	**0.10**		**0.010**	**0.0015**	**ng/g**
PCB 93 (BZ)	**0.0091**	**C J**	**0.010**	**0.0015**	**ng/g**
PCB 94 (BZ)	ND		0.010	0.0017	ng/g
PCB 95 (BZ)	**0.16**		**0.010**	**0.0015**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.29**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 98 (BZ)	**0.0041**	**Q C J**	**0.010**	**0.0015**	**ng/g**
PCB 99 (BZ)	**0.50**	**C83**	**0.010**	**0.0015**	**ng/g**
PCB 100 (BZ)	**0.0091**	**C93 J**	**0.010**	**0.0015**	**ng/g**
PCB 101 (BZ)	**0.63**	**C90**	**0.010**	**0.0013**	**ng/g**
PCB 102 (BZ)	**0.0041**	**Q C98 J**	**0.010**	**0.0015**	**ng/g**
PCB 103 (BZ)	**0.0050**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	**0.21**		**0.010**	**0.0010**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.058**		**0.010**	**0.0011**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.025**	**C**	**0.010**	**0.0011**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.29**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 110 (BZ)	**0.63**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 111 (BZ)	ND		0.010	0.0010	ng/g
PCB 112 (BZ)	ND		0.010	0.0011	ng/g
PCB 113 (BZ)	**0.63**	**C90**	**0.010**	**0.0013**	**ng/g**
PCB 114 (BZ)	**0.019**		**0.010**	**0.00096**	**ng/g**
PCB 115 (BZ)	**0.63**	**B C110**	**0.010**	**0.0011**	**ng/g**
PCB 116 (BZ)	**0.12**	**C85**	**0.010**	**0.0012**	**ng/g**
PCB 117 (BZ)	**0.12**	**C85**	**0.010**	**0.0012**	**ng/g**
PCB 118 (BZ)	**0.64**		**0.010**	**0.0010**	**ng/g**
PCB 119 (BZ)	**0.29**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 120 (BZ)	**0.0069**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0011	ng/g
PCB 123 (BZ)	**0.010**	**Q**	**0.010**	**0.00093**	**ng/g**
PCB 124 (BZ)	**0.025**	**C108**	**0.010**	**0.0011**	**ng/g**
PCB 125 (BZ)	**0.29**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 126 (BZ)	**0.018**	**Q**	**0.010**	**0.0010**	**ng/g**
PCB 127 (BZ)	**0.0031**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 128 (BZ)	**0.17**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 129 (BZ)	**1.1**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 130 (BZ)	**0.058**		**0.010**	**0.0019**	**ng/g**
PCB 131 (BZ)	ND		0.010	0.0019	ng/g
PCB 132 (BZ)	**0.12**		**0.010**	**0.0019**	**ng/g**
PCB 133 (BZ)	**0.022**		**0.010**	**0.0017**	**ng/g**
PCB 134 (BZ)	**0.012**	**Q C**	**0.010**	**0.0019**	**ng/g**
PCB 135 (BZ)	**0.13**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 136 (BZ)	**0.016**		**0.010**	**0.0011**	**ng/g**
PCB 137 (BZ)	**0.084**	**Q C**	**0.010**	**0.0014**	**ng/g**
PCB 138 (BZ)	**1.1**	**C129**	**0.010**	**0.0014**	**ng/g**
PCB 139 (BZ)	**0.017**	**Q C**	**0.010**	**0.0016**	**ng/g**
PCB 140 (BZ)	**0.017**	**Q C139**	**0.010**	**0.0016**	**ng/g**
PCB 141 (BZ)	**0.13**		**0.010**	**0.0018**	**ng/g**
PCB 142 (BZ)	ND		0.010	0.0019	ng/g
PCB 143 (BZ)	**0.012**	**Q C134**	**0.010**	**0.0019**	**ng/g**
PCB 144 (BZ)	**0.022**		**0.010**	**0.0015**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0011	ng/g
PCB 146 (BZ)	**0.19**		**0.010**	**0.0015**	**ng/g**
PCB 147 (BZ)	**0.52**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 148 (BZ)	**0.0041**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 149 (BZ)	**0.52**	**C147**	**0.010**	**0.0016**	**ng/g**
PCB 150 (BZ)	**0.0019**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 151 (BZ)	**0.13**	**C135**	**0.010**	**0.0016**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0011	ng/g
PCB 153 (BZ)	**1.0**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 154 (BZ)	**0.027**		**0.010**	**0.0013**	**ng/g**
PCB 155 (BZ)	**0.0019**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 156 (BZ)	**0.10**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 157 (BZ)	**0.10**	**C156**	**0.010**	**0.0014**	**ng/g**
PCB 158 (BZ)	**0.088**		**0.010**	**0.0011**	**ng/g**
PCB 159 (BZ)	**0.0039**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 160 (BZ)	**1.1**	**C129**	**0.010**	**0.0014**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0012	ng/g
PCB 162 (BZ)	**0.0068**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 163 (BZ)	**1.1**	**C129**	**0.010**	**0.0014**	**ng/g**
PCB 164 (BZ)	**0.084**	**Q C137**	**0.010**	**0.0014**	**ng/g**
PCB 165 (BZ)	**0.0021**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 166 (BZ)	**0.17**	**C128**	**0.010**	**0.0014**	**ng/g**
PCB 167 (BZ)	**0.042**		**0.010**	**0.00098**	**ng/g**
PCB 168 (BZ)	**1.0**	**C153**	**0.010**	**0.0012**	**ng/g**
PCB 169 (BZ)	**0.0046**	**Q J**	**0.010**	**0.00094**	**ng/g**
PCB 170 (BZ)	**0.15**		**0.010**	**0.0013**	**ng/g**
PCB 171 (BZ)	**0.046**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.039**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.046**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.096**		**0.010**	**0.0012**	**ng/g**
PCB 175 (BZ)	**0.0087**	**J**	**0.010**	**0.0012**	**ng/g**
PCB 176 (BZ)	**0.011**		**0.010**	**0.00090**	**ng/g**
PCB 177 (BZ)	**0.092**		**0.010**	**0.0013**	**ng/g**
PCB 178 (BZ)	**0.046**		**0.010**	**0.0013**	**ng/g**
PCB 179 (BZ)	**0.017**		**0.010**	**0.00095**	**ng/g**
PCB 180 (BZ)	**0.41**	**C**	**0.010**	**0.0010**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	**0.0022**	**J**	**0.010**	**0.0012**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0011	ng/g
PCB 183 (BZ)	**0.13**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 184 (BZ)	**0.0016**	**Q J**	**0.010**	**0.00096**	**ng/g**
PCB 185 (BZ)	**0.13**	**C183**	**0.010**	**0.0012**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00094	ng/g
PCB 187 (BZ)	**0.36**		**0.010**	**0.0011**	**ng/g**
PCB 188 (BZ)	**0.0022**	**Q J**	**0.010**	**0.00094**	**ng/g**
PCB 189 (BZ)	**0.0053**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 190 (BZ)	**0.046**		**0.010**	**0.00094**	**ng/g**
PCB 191 (BZ)	**0.0087**	**Q J**	**0.010**	**0.00090**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	**0.41**	**C180**	**0.010**	**0.0010**	**ng/g**
PCB 194 (BZ)	**0.091**		**0.010**	**0.0019**	**ng/g**
PCB 195 (BZ)	**0.046**		**0.010**	**0.0021**	**ng/g**
PCB 196 (BZ)	**0.086**		**0.010**	**0.0012**	**ng/g**
PCB 197 (BZ)	**0.014**	**C**	**0.010**	**0.00082**	**ng/g**
PCB 198 (BZ)	**0.23**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.23**	**C198**	**0.010**	**0.0012**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.014**	**C197**	**0.010**	**0.00082**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.021**		**0.010**	**0.00079**	**ng/g**
PCB 202 (BZ)	**0.040**		**0.010**	**0.00089**	**ng/g**
PCB 203 (BZ)	**0.16**		**0.010**	**0.0011**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00083	ng/g
PCB 205 (BZ)	**0.0054**	**J**	**0.010**	**0.0015**	**ng/g**
PCB 206 (BZ)	**0.094**		**0.010**	**0.0011**	**ng/g**
PCB 207 (BZ)	**0.013**		**0.010**	**0.00056**	**ng/g**
PCB 208 (BZ)	**0.049**		**0.010**	**0.00051**	**ng/g**
PCB 209 (BZ)	**0.055**		**0.010**	**0.00057**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	44		30 - 140
13C12-PCB 3	19	*	30 - 140
13C12-PCB 4	80		30 - 140
13C12-PCB 15	66		30 - 140
13C12-PCB 19	86		30 - 140
13C12-PCB 37	67		30 - 140
13C12-PCB 54	113		30 - 140
13C12-PCB 77	89		30 - 140
13C12-PCB 81	90		30 - 140
13C12-PCB 104	73		30 - 140
13C12-PCB 105	83		30 - 140
13C12-PCB 114	82		30 - 140
13C12-PCB 118	85		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	85		30 - 140
13C12-PCB 155	104		30 - 140
13C12-PCB 156	84	C	30 - 140
13C12-PCB 157	84	C	30 - 140
13C12-PCB 167	84		30 - 140
13C12-PCB 169	97		30 - 140
13C12-PCB 170	101		30 - 140
13C12-PCB 188	72		30 - 140
13C12-PCB 189	99		30 - 140
13C12-PCB 202	86		30 - 140
13C12-PCB 205	83		30 - 140
13C12-PCB 206	120		30 - 140
13C12-PCB 208	169	*	30 - 140
13C12-PCB 209	169	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	100	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	83	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 003	**Work Order #....:**	JKVWL1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.010	0.00069	ng/g
PCB 2 (BZ)	ND		0.010	0.0011	ng/g
PCB 3 (BZ)	ND		0.010	0.0021	ng/g
PCB 4 (BZ)	**0.0034**	**Q J**	**0.020**	**0.0020**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0018	ng/g
PCB 6 (BZ)	**0.0015**	**Q J**	**0.010**	**0.0015**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0016	ng/g
PCB 8 (BZ)	**0.0041**	**Q B J**	**0.020**	**0.0015**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0016	ng/g
PCB 10 (BZ)	ND		0.010	0.0017	ng/g
PCB 11 (BZ)	**0.0037**	**Q B J**	**0.020**	**0.0017**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0016	ng/g
PCB 13 (BZ)	ND		0.010	0.0016	ng/g
PCB 14 (BZ)	ND		0.010	0.0014	ng/g
PCB 15 (BZ)	ND		0.010	0.0018	ng/g
PCB 16 (BZ)	**0.0017**	**Q J**	**0.010**	**0.00097**	**ng/g**
PCB 17 (BZ)	**0.0022**	**Q B J**	**0.010**	**0.00084**	**ng/g**
PCB 18 (BZ)	**0.0054**	**B C J**	**0.020**	**0.00070**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00093	ng/g
PCB 20 (BZ)	**0.011**	**Q B C J**	**0.020**	**0.00066**	**ng/g**
PCB 21 (BZ)	**0.0051**	**B C J**	**0.010**	**0.00065**	**ng/g**
PCB 22 (BZ)	**0.0034**	**B J**	**0.010**	**0.00070**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00070	ng/g
PCB 24 (BZ)	ND		0.010	0.00062	ng/g
PCB 25 (BZ)	ND		0.010	0.00059	ng/g
PCB 26 (BZ)	**0.0017**	**C J**	**0.010**	**0.00067**	**ng/g**
PCB 27 (BZ)	ND		0.010	0.00058	ng/g
PCB 28 (BZ)	**0.011**	**Q B C20 J**	**0.020**	**0.00066**	**ng/g**
PCB 29 (BZ)	**0.0017**	**C26 J**	**0.010**	**0.00067**	**ng/g**
PCB 30 (BZ)	**0.0054**	**B C18 J**	**0.020**	**0.00070**	**ng/g**
PCB 31 (BZ)	**0.0094**	**B J**	**0.020**	**0.00066**	**ng/g**
PCB 32 (BZ)	**0.0021**	**Q J**	**0.010**	**0.00055**	**ng/g**
PCB 33 (BZ)	**0.0051**	**B C21 J**	**0.010**	**0.00065**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00069	ng/g
PCB 35 (BZ)	ND		0.010	0.00072	ng/g
PCB 36 (BZ)	ND		0.010	0.00071	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.0015**	**J**	**0.010**	**0.00072**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00068	ng/g
PCB 39 (BZ)	ND		0.010	0.00065	ng/g
PCB 40 (BZ)	**0.0053**	**Q C J**	**0.010**	**0.00098**	**ng/g**
PCB 41 (BZ)	**0.0053**	**Q C40 J**	**0.010**	**0.00098**	**ng/g**
PCB 42 (BZ)	**0.0041**	**J**	**0.010**	**0.0010**	**ng/g**
PCB 43 (BZ)	ND		0.010	0.00092	ng/g
PCB 44 (BZ)	**0.030**	**B C**	**0.010**	**0.00085**	**ng/g**
PCB 45 (BZ)	**0.0018**	**C J**	**0.010**	**0.0010**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0012	ng/g
PCB 47 (BZ)	**0.030**	**B C44**	**0.010**	**0.00085**	**ng/g**
PCB 48 (BZ)	**0.0023**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 49 (BZ)	**0.020**	**C**	**0.010**	**0.00079**	**ng/g**
PCB 50 (BZ)	ND		0.010	0.00093	ng/g
PCB 51 (BZ)	**0.0018**	**C45 J**	**0.010**	**0.0010**	**ng/g**
PCB 52 (BZ)	**0.063**	**B**	**0.010**	**0.00094**	**ng/g**
PCB 53 (BZ)	ND		0.010	0.00093	ng/g
PCB 54 (BZ)	ND		0.010	0.00072	ng/g
PCB 55 (BZ)	ND		0.010	0.00075	ng/g
PCB 56 (BZ)	**0.0065**	**Q B J**	**0.010**	**0.00071**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00071	ng/g
PCB 58 (BZ)	ND		0.010	0.00069	ng/g
PCB 59 (BZ)	**0.0011**	**Q C J**	**0.010**	**0.00067**	**ng/g**
PCB 60 (BZ)	**0.0076**	**J**	**0.010**	**0.00076**	**ng/g**
PCB 61 (BZ)	**0.075**	**B C**	**0.020**	**0.00067**	**ng/g**
PCB 62 (BZ)	**0.0011**	**Q C59 J**	**0.010**	**0.00067**	**ng/g**
PCB 63 (BZ)	**0.0017**	**Q J**	**0.010**	**0.00064**	**ng/g**
PCB 64 (BZ)	**0.012**		**0.010**	**0.00064**	**ng/g**
PCB 65 (BZ)	**0.030**	**B C44**	**0.010**	**0.00085**	**ng/g**
PCB 66 (BZ)	**0.035**	**B**	**0.010**	**0.00068**	**ng/g**
PCB 67 (BZ)	**0.00063**	**J**	**0.010**	**0.00061**	**ng/g**
PCB 68 (BZ)	ND		0.010	0.00066	ng/g
PCB 69 (BZ)	**0.020**	**C49**	**0.010**	**0.00079**	**ng/g**
PCB 70 (BZ)	**0.075**	**B C61**	**0.020**	**0.00067**	**ng/g**
PCB 71 (BZ)	**0.0053**	**Q C40 J**	**0.010**	**0.00098**	**ng/g**
PCB 72 (BZ)	ND		0.010	0.00071	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.010	0.00092	ng/g
PCB 74 (BZ)	**0.075**	**B C61**	**0.020**	**0.00067**	**ng/g**
PCB 75 (BZ)	**0.0011**	**Q C59 J**	**0.010**	**0.00067**	**ng/g**
PCB 76 (BZ)	**0.075**	**B C61**	**0.020**	**0.00067**	**ng/g**
PCB 77 (BZ)	**0.0027**	**Q J**	**0.010**	**0.00072**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00077	ng/g
PCB 79 (BZ)	**0.0017**	**Q J**	**0.010**	**0.00059**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00066	ng/g
PCB 81 (BZ)	ND		0.010	0.00069	ng/g
PCB 82 (BZ)	**0.029**		**0.010**	**0.0019**	**ng/g**
PCB 83 (BZ)	**0.17**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 84 (BZ)	**0.036**		**0.010**	**0.0019**	**ng/g**
PCB 85 (BZ)	**0.059**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 86 (BZ)	**0.16**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 87 (BZ)	**0.16**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 88 (BZ)	**0.024**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 89 (BZ)	ND		0.010	0.0018	ng/g
PCB 90 (BZ)	**0.22**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 91 (BZ)	**0.024**	**C88**	**0.010**	**0.0016**	**ng/g**
PCB 92 (BZ)	**0.050**		**0.010**	**0.0016**	**ng/g**
PCB 93 (BZ)	**0.0016**	**Q C J**	**0.010**	**0.0015**	**ng/g**
PCB 94 (BZ)	ND		0.010	0.0018	ng/g
PCB 95 (BZ)	**0.13**		**0.010**	**0.0016**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.16**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 98 (BZ)	**0.0024**	**C J**	**0.010**	**0.0015**	**ng/g**
PCB 99 (BZ)	**0.17**	**C83**	**0.010**	**0.0016**	**ng/g**
PCB 100 (BZ)	**0.0016**	**Q C93 J**	**0.010**	**0.0015**	**ng/g**
PCB 101 (BZ)	**0.22**	**C90**	**0.010**	**0.0013**	**ng/g**
PCB 102 (BZ)	**0.0024**	**C98 J**	**0.010**	**0.0015**	**ng/g**
PCB 103 (BZ)	ND		0.010	0.0015	ng/g
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	**0.093**		**0.010**	**0.00088**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0010	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.019**		**0.010**	**0.00097**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.0089**	**C J**	**0.010**	**0.00099**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.16**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 110 (BZ)	**0.32**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0011	ng/g
PCB 113 (BZ)	**0.22**	**C90**	**0.010**	**0.0013**	**ng/g**
PCB 114 (BZ)	**0.0070**	**Q J**	**0.010**	**0.00084**	**ng/g**
PCB 115 (BZ)	**0.32**	**B C110**	**0.010**	**0.0011**	**ng/g**
PCB 116 (BZ)	**0.059**	**C85**	**0.010**	**0.0013**	**ng/g**
PCB 117 (BZ)	**0.059**	**C85**	**0.010**	**0.0013**	**ng/g**
PCB 118 (BZ)	**0.23**		**0.010**	**0.00087**	**ng/g**
PCB 119 (BZ)	**0.16**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 120 (BZ)	ND		0.010	0.0011	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	**0.0042**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 123 (BZ)	**0.0059**	**Q J**	**0.010**	**0.00086**	**ng/g**
PCB 124 (BZ)	**0.0089**	**C108 J**	**0.010**	**0.00099**	**ng/g**
PCB 125 (BZ)	**0.16**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 126 (BZ)	**0.0014**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 127 (BZ)	ND		0.010	0.00092	ng/g
PCB 128 (BZ)	**0.069**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 129 (BZ)	**0.39**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 130 (BZ)	**0.022**		**0.010**	**0.0017**	**ng/g**
PCB 131 (BZ)	**0.0028**	**J**	**0.010**	**0.0017**	**ng/g**
PCB 132 (BZ)	**0.059**		**0.010**	**0.0016**	**ng/g**
PCB 133 (BZ)	**0.0060**	**J**	**0.010**	**0.0015**	**ng/g**
PCB 134 (BZ)	**0.013**	**Q C**	**0.010**	**0.0017**	**ng/g**
PCB 135 (BZ)	**0.079**	**C**	**0.010**	**0.0017**	**ng/g**
PCB 136 (BZ)	**0.017**		**0.010**	**0.0012**	**ng/g**
PCB 137 (BZ)	**0.036**	**Q C**	**0.010**	**0.0012**	**ng/g**
PCB 138 (BZ)	**0.39**	**C129**	**0.010**	**0.0013**	**ng/g**
PCB 139 (BZ)	**0.0059**	**C J**	**0.010**	**0.0014**	**ng/g**
PCB 140 (BZ)	**0.0059**	**C139 J**	**0.010**	**0.0014**	**ng/g**
PCB 141 (BZ)	**0.047**		**0.010**	**0.0016**	**ng/g**
PCB 142 (BZ)	ND		0.010	0.0016	ng/g
PCB 143 (BZ)	**0.013**	**Q C134**	**0.010**	**0.0017**	**ng/g**
PCB 144 (BZ)	**0.0083**	**Q J**	**0.010**	**0.0016**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0012	ng/g
PCB 146 (BZ)	**0.042**		**0.010**	**0.0013**	**ng/g**
PCB 147 (BZ)	**0.19**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0017	ng/g
PCB 149 (BZ)	**0.19**	**C147**	**0.010**	**0.0014**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0012	ng/g
PCB 151 (BZ)	**0.079**	**C135**	**0.010**	**0.0017**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0012	ng/g
PCB 153 (BZ)	**0.23**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 154 (BZ)	**0.0028**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0011	ng/g
PCB 156 (BZ)	**0.038**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 157 (BZ)	**0.038**	**C156**	**0.010**	**0.0011**	**ng/g**
PCB 158 (BZ)	**0.036**		**0.010**	**0.00097**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0011	ng/g
PCB 160 (BZ)	**0.39**	**C129**	**0.010**	**0.0013**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0010	ng/g
PCB 162 (BZ)	ND		0.010	0.0010	ng/g
PCB 163 (BZ)	**0.39**	**C129**	**0.010**	**0.0013**	**ng/g**
PCB 164 (BZ)	**0.036**	**Q C137**	**0.010**	**0.0012**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0012	ng/g
PCB 166 (BZ)	**0.069**	**C128**	**0.010**	**0.0012**	**ng/g**
PCB 167 (BZ)	**0.011**		**0.010**	**0.00080**	**ng/g**
PCB 168 (BZ)	**0.23**	**C153**	**0.010**	**0.0011**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0011	ng/g
PCB 170 (BZ)	**0.040**		**0.010**	**0.0013**	**ng/g**
PCB 171 (BZ)	**0.013**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 172 (BZ)	**0.0097**	**J**	**0.010**	**0.0012**	**ng/g**
PCB 173 (BZ)	**0.013**	**C171**	**0.010**	**0.0012**	**ng/g**
PCB 174 (BZ)	**0.039**		**0.010**	**0.0011**	**ng/g**
PCB 175 (BZ)	**0.0023**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 176 (BZ)	**0.0042**	**Q J**	**0.010**	**0.00081**	**ng/g**
PCB 177 (BZ)	**0.029**		**0.010**	**0.0012**	**ng/g**
PCB 178 (BZ)	**0.016**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 179 (BZ)	**0.018**	**Q**	**0.010**	**0.00085**	**ng/g**
PCB 180 (BZ)	**0.098**	**C**	**0.010**	**0.00092**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.010	0.0011	ng/g
PCB 182 (BZ)	ND		0.010	0.0010	ng/g
PCB 183 (BZ)	**0.035**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.00086	ng/g
PCB 185 (BZ)	**0.035**	**C183**	**0.010**	**0.0011**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00085	ng/g
PCB 187 (BZ)	**0.11**		**0.010**	**0.0010**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00078	ng/g
PCB 189 (BZ)	ND		0.010	0.0012	ng/g
PCB 190 (BZ)	**0.011**		**0.010**	**0.00084**	**ng/g**
PCB 191 (BZ)	**0.0020**	**Q J**	**0.010**	**0.00081**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.00091	ng/g
PCB 193 (BZ)	**0.098**	**C180**	**0.010**	**0.00092**	**ng/g**
PCB 194 (BZ)	**0.017**	**Q**	**0.010**	**0.0016**	**ng/g**
PCB 195 (BZ)	**0.011**	**Q**	**0.010**	**0.0018**	**ng/g**
PCB 196 (BZ)	**0.0092**	**J**	**0.010**	**0.00092**	**ng/g**
PCB 197 (BZ)	**0.0036**	**C J**	**0.010**	**0.00064**	**ng/g**
PCB 198 (BZ)	**0.035**	**C**	**0.010**	**0.00093**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.035**	**C198**	**0.010**	**0.00093**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.0036**	**C197 J**	**0.010**	**0.00064**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.0039**	**J**	**0.010**	**0.00061**	**ng/g**
PCB 202 (BZ)	**0.011**		**0.010**	**0.00069**	**ng/g**
PCB 203 (BZ)	**0.023**		**0.010**	**0.00083**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00065	ng/g
PCB 205 (BZ)	ND		0.010	0.0013	ng/g
PCB 206 (BZ)	**0.013**		**0.010**	**0.0012**	**ng/g**
PCB 207 (BZ)	**0.0018**	**Q J**	**0.010**	**0.00070**	**ng/g**
PCB 208 (BZ)	**0.0055**	**Q J**	**0.010**	**0.00066**	**ng/g**
PCB 209 (BZ)	**0.0048**	**Q J**	**0.010**	**0.00086**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	26	*	30 - 140
13C12-PCB 3	12	*	30 - 140
13C12-PCB 4	68		30 - 140
13C12-PCB 15	63		30 - 140
13C12-PCB 19	74		30 - 140
13C12-PCB 37	77		30 - 140
13C12-PCB 54	110		30 - 140
13C12-PCB 77	77		30 - 140
13C12-PCB 81	74		30 - 140
13C12-PCB 104	67		30 - 140
13C12-PCB 105	81		30 - 140
13C12-PCB 114	81		30 - 140
13C12-PCB 118	83		30 - 140
13C12-PCB 123	76		30 - 140
13C12-PCB 126	74		30 - 140
13C12-PCB 155	89		30 - 140
13C12-PCB 156	80	C	30 - 140
13C12-PCB 157	80	C	30 - 140
13C12-PCB 167	78		30 - 140
13C12-PCB 169	63		30 - 140
13C12-PCB 170	79		30 - 140
13C12-PCB 188	70		30 - 140
13C12-PCB 189	78		30 - 140
13C12-PCB 202	81		30 - 140
13C12-PCB 205	77		30 - 140
13C12-PCB 206	92		30 - 140
13C12-PCB 208	115		30 - 140
13C12-PCB 209	117		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	83	40 - 125
13C12-PCB 111	91	40 - 125
13C12-PCB 178	76	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-11 SHERMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 004	**Work Order #....:**	JKVWN1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.050	0.017	ng/g
PCB 2 (BZ)	ND		0.050	0.032	ng/g
PCB 3 (BZ)	ND		0.050	0.13	ng/g
PCB 4 (BZ)	ND		0.10	0.012	ng/g
PCB 5 (BZ)	ND		0.050	0.013	ng/g
PCB 6 (BZ)	ND		0.050	0.011	ng/g
PCB 7 (BZ)	ND		0.050	0.012	ng/g
PCB 8 (BZ)	**0.011**	**Q B J**	**0.10**	**0.011**	**ng/g**
PCB 9 (BZ)	**0.010**	**Q J**	**0.050**	**0.011**	**ng/g**
PCB 10 (BZ)	ND		0.050	0.012	ng/g
PCB 11 (BZ)	ND		0.10	0.012	ng/g
PCB 12 (BZ)	ND		0.050	0.012	ng/g
PCB 13 (BZ)	ND		0.050	0.012	ng/g
PCB 14 (BZ)	ND		0.050	0.010	ng/g
PCB 15 (BZ)	ND		0.050	0.016	ng/g
PCB 16 (BZ)	ND		0.050	0.0042	ng/g
PCB 17 (BZ)	**0.011**	**Q B J**	**0.050**	**0.0036**	**ng/g**
PCB 18 (BZ)	**0.019**	**Q B C J**	**0.10**	**0.0030**	**ng/g**
PCB 19 (BZ)	ND		0.050	0.0040	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.10**	**0.0058**	**ng/g**
PCB 21 (BZ)	**0.021**	**Q B C J**	**0.050**	**0.0058**	**ng/g**
PCB 22 (BZ)	**0.026**	**B J**	**0.050**	**0.0062**	**ng/g**
PCB 23 (BZ)	ND		0.050	0.0062	ng/g
PCB 24 (BZ)	ND		0.050	0.0027	ng/g
PCB 25 (BZ)	ND		0.050	0.0052	ng/g
PCB 26 (BZ)	**0.013**	**Q C J**	**0.050**	**0.0059**	**ng/g**
PCB 27 (BZ)	**0.0048**	**J**	**0.050**	**0.0025**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.10**	**0.0058**	**ng/g**
PCB 29 (BZ)	**0.013**	**Q C26 J**	**0.050**	**0.0059**	**ng/g**
PCB 30 (BZ)	**0.019**	**Q B C18 J**	**0.10**	**0.0030**	**ng/g**
PCB 31 (BZ)	**0.080**	**B J**	**0.10**	**0.0058**	**ng/g**
PCB 32 (BZ)	**0.0076**	**Q J**	**0.050**	**0.0023**	**ng/g**
PCB 33 (BZ)	**0.021**	**Q B C21 J**	**0.050**	**0.0058**	**ng/g**
PCB 34 (BZ)	ND		0.050	0.0061	ng/g
PCB 35 (BZ)	ND		0.050	0.0064	ng/g
PCB 36 (BZ)	ND		0.050	0.0063	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.050	0.0064	ng/g
PCB 38 (BZ)	ND		0.050	0.0060	ng/g
PCB 39 (BZ)	ND		0.050	0.0057	ng/g
PCB 40 (BZ)	**0.048**	**C J**	**0.050**	**0.0082**	**ng/g**
PCB 41 (BZ)	**0.048**	**C40 J**	**0.050**	**0.0082**	**ng/g**
PCB 42 (BZ)	**0.047**	**Q J**	**0.050**	**0.0085**	**ng/g**
PCB 43 (BZ)	**0.0075**	**C J**	**0.050**	**0.0076**	**ng/g**
PCB 44 (BZ)	**0.20**	**B C**	**0.050**	**0.0071**	**ng/g**
PCB 45 (BZ)	**0.013**	**C J**	**0.050**	**0.0084**	**ng/g**
PCB 46 (BZ)	ND		0.050	0.010	ng/g
PCB 47 (BZ)	**0.20**	**B C44**	**0.050**	**0.0071**	**ng/g**
PCB 48 (BZ)	**0.021**	**J**	**0.050**	**0.0084**	**ng/g**
PCB 49 (BZ)	**0.16**	**C**	**0.050**	**0.0066**	**ng/g**
PCB 50 (BZ)	ND		0.050	0.0077	ng/g
PCB 51 (BZ)	**0.013**	**C45 J**	**0.050**	**0.0084**	**ng/g**
PCB 52 (BZ)	**0.34**	**B**	**0.050**	**0.0078**	**ng/g**
PCB 53 (BZ)	ND		0.050	0.0077	ng/g
PCB 54 (BZ)	ND		0.050	0.0050	ng/g
PCB 55 (BZ)	**0.019**	**Q J**	**0.050**	**0.0063**	**ng/g**
PCB 56 (BZ)	**0.037**	**Q B J**	**0.050**	**0.0059**	**ng/g**
PCB 57 (BZ)	ND		0.050	0.0059	ng/g
PCB 58 (BZ)	ND		0.050	0.0058	ng/g
PCB 59 (BZ)	**0.017**	**Q C J**	**0.050**	**0.0056**	**ng/g**
PCB 60 (BZ)	**0.048**	**Q J**	**0.050**	**0.0063**	**ng/g**
PCB 61 (BZ)	**0.42**	**B C**	**0.10**	**0.0056**	**ng/g**
PCB 62 (BZ)	**0.017**	**Q C59 J**	**0.050**	**0.0056**	**ng/g**
PCB 63 (BZ)	**0.016**	**J**	**0.050**	**0.0054**	**ng/g**
PCB 64 (BZ)	**0.095**		**0.050**	**0.0053**	**ng/g**
PCB 65 (BZ)	**0.20**	**B C44**	**0.050**	**0.0071**	**ng/g**
PCB 66 (BZ)	**0.24**	**B**	**0.050**	**0.0057**	**ng/g**
PCB 67 (BZ)	ND		0.050	0.0051	ng/g
PCB 68 (BZ)	**0.0075**	**Q J**	**0.050**	**0.0055**	**ng/g**
PCB 69 (BZ)	**0.16**	**C49**	**0.050**	**0.0066**	**ng/g**
PCB 70 (BZ)	**0.42**	**B C61**	**0.10**	**0.0056**	**ng/g**
PCB 71 (BZ)	**0.048**	**C40 J**	**0.050**	**0.0082**	**ng/g**
PCB 72 (BZ)	ND		0.050	0.0059	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	**0.0075**	**C43 J**	**0.050**	**0.0076**	**ng/g**
PCB 74 (BZ)	**0.42**	**B C61**	**0.10**	**0.0056**	**ng/g**
PCB 75 (BZ)	**0.017**	**Q C59 J**	**0.050**	**0.0056**	**ng/g**
PCB 76 (BZ)	**0.42**	**B C61**	**0.10**	**0.0056**	**ng/g**
PCB 77 (BZ)	**0.0097**	**Q J**	**0.050**	**0.0063**	**ng/g**
PCB 78 (BZ)	ND		0.050	0.0064	ng/g
PCB 79 (BZ)	**0.0096**	**Q J**	**0.050**	**0.0049**	**ng/g**
PCB 80 (BZ)	ND		0.050	0.0055	ng/g
PCB 81 (BZ)	ND		0.050	0.0055	ng/g
PCB 82 (BZ)	**0.13**	**Q**	**0.050**	**0.010**	**ng/g**
PCB 83 (BZ)	**1.3**	**C**	**0.050**	**0.0088**	**ng/g**
PCB 84 (BZ)	**0.13**		**0.050**	**0.010**	**ng/g**
PCB 85 (BZ)	**0.42**	**C**	**0.050**	**0.0071**	**ng/g**
PCB 86 (BZ)	**0.86**	**C**	**0.050**	**0.0071**	**ng/g**
PCB 87 (BZ)	**0.86**	**C86**	**0.050**	**0.0071**	**ng/g**
PCB 88 (BZ)	**0.12**	**C**	**0.050**	**0.0088**	**ng/g**
PCB 89 (BZ)	ND		0.050	0.0097	ng/g
PCB 90 (BZ)	**1.5**	**C**	**0.050**	**0.0071**	**ng/g**
PCB 91 (BZ)	**0.12**	**C88**	**0.050**	**0.0088**	**ng/g**
PCB 92 (BZ)	**0.31**		**0.050**	**0.0085**	**ng/g**
PCB 93 (BZ)	ND		0.050	0.0084	ng/g
PCB 94 (BZ)	ND		0.050	0.0097	ng/g
PCB 95 (BZ)	**0.58**		**0.050**	**0.0086**	**ng/g**
PCB 96 (BZ)	ND		0.050	0.0067	ng/g
PCB 97 (BZ)	**0.86**	**C86**	**0.050**	**0.0071**	**ng/g**
PCB 98 (BZ)	ND		0.050	0.0082	ng/g
PCB 99 (BZ)	**1.3**	**C83**	**0.050**	**0.0088**	**ng/g**
PCB 100 (BZ)	ND		0.050	0.0084	ng/g
PCB 101 (BZ)	**1.5**	**C90**	**0.050**	**0.0071**	**ng/g**
PCB 102 (BZ)	ND		0.050	0.0082	ng/g
PCB 103 (BZ)	ND		0.050	0.0081	ng/g
PCB 104 (BZ)	ND		0.050	0.0060	ng/g
PCB 105 (BZ)	**0.68**		**0.050**	**0.0081**	**ng/g**
PCB 106 (BZ)	ND		0.050	0.0097	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.19**		**0.050**	**0.0092**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.071**	**C**	**0.050**	**0.0094**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.86**	**C86**	**0.050**	**0.0071**	**ng/g**
PCB 110 (BZ)	**1.6**	**B C**	**0.050**	**0.0061**	**ng/g**
PCB 111 (BZ)	ND		0.050	0.0058	ng/g
PCB 112 (BZ)	ND		0.050	0.0063	ng/g
PCB 113 (BZ)	**1.5**	**C90**	**0.050**	**0.0071**	**ng/g**
PCB 114 (BZ)	**0.055**		**0.050**	**0.0078**	**ng/g**
PCB 115 (BZ)	**1.6**	**B C110**	**0.050**	**0.0061**	**ng/g**
PCB 116 (BZ)	**0.42**	**C85**	**0.050**	**0.0071**	**ng/g**
PCB 117 (BZ)	**0.42**	**C85**	**0.050**	**0.0071**	**ng/g**
PCB 118 (BZ)	**2.2**		**0.050**	**0.0085**	**ng/g**
PCB 119 (BZ)	**0.86**	**C86**	**0.050**	**0.0071**	**ng/g**
PCB 120 (BZ)	**0.021**	**Q J**	**0.050**	**0.0059**	**ng/g**
PCB 121 (BZ)	ND		0.050	0.0061	ng/g
PCB 122 (BZ)	**0.031**	**Q J**	**0.050**	**0.0097**	**ng/g**
PCB 123 (BZ)	**0.036**	**Q J**	**0.050**	**0.0085**	**ng/g**
PCB 124 (BZ)	**0.071**	**C108**	**0.050**	**0.0094**	**ng/g**
PCB 125 (BZ)	**0.86**	**C86**	**0.050**	**0.0071**	**ng/g**
PCB 126 (BZ)	**0.092**	**Q**	**0.050**	**0.0097**	**ng/g**
PCB 127 (BZ)	ND		0.050	0.0087	ng/g
PCB 128 (BZ)	**0.74**	**C**	**0.050**	**0.010**	**ng/g**
PCB 129 (BZ)	**5.0**	**C**	**0.050**	**0.010**	**ng/g**
PCB 130 (BZ)	**0.26**		**0.050**	**0.014**	**ng/g**
PCB 131 (BZ)	**0.034**	**J**	**0.050**	**0.014**	**ng/g**
PCB 132 (BZ)	**0.46**		**0.050**	**0.013**	**ng/g**
PCB 133 (BZ)	**0.075**		**0.050**	**0.012**	**ng/g**
PCB 134 (BZ)	**0.14**	**C**	**0.050**	**0.014**	**ng/g**
PCB 135 (BZ)	**0.93**	**C**	**0.050**	**0.0090**	**ng/g**
PCB 136 (BZ)	**0.14**		**0.050**	**0.0065**	**ng/g**
PCB 137 (BZ)	**0.39**	**C**	**0.050**	**0.010**	**ng/g**
PCB 138 (BZ)	**5.0**	**C129**	**0.050**	**0.010**	**ng/g**
PCB 139 (BZ)	**0.072**	**Q C**	**0.050**	**0.011**	**ng/g**
PCB 140 (BZ)	**0.072**	**Q C139**	**0.050**	**0.011**	**ng/g**
PCB 141 (BZ)	**0.64**		**0.050**	**0.013**	**ng/g**
PCB 142 (BZ)	ND		0.050	0.013	ng/g
PCB 143 (BZ)	**0.14**	**C134**	**0.050**	**0.014**	**ng/g**
PCB 144 (BZ)	**0.12**		**0.050**	**0.0087**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.050	0.0065	ng/g
PCB 146 (BZ)	**0.68**		**0.050**	**0.011**	**ng/g**
PCB 147 (BZ)	**2.0**	**C**	**0.050**	**0.011**	**ng/g**
PCB 148 (BZ)	ND		0.050	0.0089	ng/g
PCB 149 (BZ)	**2.0**	**C147**	**0.050**	**0.011**	**ng/g**
PCB 150 (BZ)	ND		0.050	0.0062	ng/g
PCB 151 (BZ)	**0.93**	**C135**	**0.050**	**0.0090**	**ng/g**
PCB 152 (BZ)	ND		0.050	0.0062	ng/g
PCB 153 (BZ)	**4.0**	**C**	**0.050**	**0.0088**	**ng/g**
PCB 154 (BZ)	**0.053**		**0.050**	**0.0073**	**ng/g**
PCB 155 (BZ)	ND		0.050	0.0058	ng/g
PCB 156 (BZ)	**0.42**	**C**	**0.050**	**0.0091**	**ng/g**
PCB 157 (BZ)	**0.42**	**C156**	**0.050**	**0.0091**	**ng/g**
PCB 158 (BZ)	**0.43**		**0.050**	**0.0079**	**ng/g**
PCB 159 (BZ)	ND		0.050	0.0086	ng/g
PCB 160 (BZ)	**5.0**	**C129**	**0.050**	**0.010**	**ng/g**
PCB 161 (BZ)	ND		0.050	0.0083	ng/g
PCB 162 (BZ)	**0.032**	**J**	**0.050**	**0.0085**	**ng/g**
PCB 163 (BZ)	**5.0**	**C129**	**0.050**	**0.010**	**ng/g**
PCB 164 (BZ)	**0.39**	**C137**	**0.050**	**0.010**	**ng/g**
PCB 165 (BZ)	ND		0.050	0.0095	ng/g
PCB 166 (BZ)	**0.74**	**C128**	**0.050**	**0.010**	**ng/g**
PCB 167 (BZ)	**0.18**		**0.050**	**0.0067**	**ng/g**
PCB 168 (BZ)	**4.0**	**C153**	**0.050**	**0.0088**	**ng/g**
PCB 169 (BZ)	**0.036**	**Q J**	**0.050**	**0.0080**	**ng/g**
PCB 170 (BZ)	**0.78**		**0.050**	**0.0087**	**ng/g**
PCB 171 (BZ)	**0.27**	**C**	**0.050**	**0.0086**	**ng/g**
PCB 172 (BZ)	**0.22**		**0.050**	**0.0086**	**ng/g**
PCB 173 (BZ)	**0.27**	**C171**	**0.050**	**0.0086**	**ng/g**
PCB 174 (BZ)	**0.64**		**0.050**	**0.0078**	**ng/g**
PCB 175 (BZ)	**0.048**	**J**	**0.050**	**0.0077**	**ng/g**
PCB 176 (BZ)	**0.080**		**0.050**	**0.0057**	**ng/g**
PCB 177 (BZ)	**0.56**		**0.050**	**0.0083**	**ng/g**
PCB 178 (BZ)	**0.33**		**0.050**	**0.0082**	**ng/g**
PCB 179 (BZ)	**0.35**		**0.050**	**0.0060**	**ng/g**
PCB 180 (BZ)	**2.6**	**C**	**0.050**	**0.0064**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	**0.016**	**Q J**	**0.050**	**0.0074**	**ng/g**
PCB 182 (BZ)	ND		0.050	0.0072	ng/g
PCB 183 (BZ)	**0.87**	**C**	**0.050**	**0.0076**	**ng/g**
PCB 184 (BZ)	ND		0.050	0.0060	ng/g
PCB 185 (BZ)	**0.87**	**C183**	**0.050**	**0.0076**	**ng/g**
PCB 186 (BZ)	ND		0.050	0.0059	ng/g
PCB 187 (BZ)	**2.3**		**0.050**	**0.0071**	**ng/g**
PCB 188 (BZ)	ND		0.050	0.0055	ng/g
PCB 189 (BZ)	**0.029**	**J**	**0.050**	**0.0085**	**ng/g**
PCB 190 (BZ)	**0.24**		**0.050**	**0.0059**	**ng/g**
PCB 191 (BZ)	**0.074**		**0.050**	**0.0057**	**ng/g**
PCB 192 (BZ)	ND		0.050	0.0064	ng/g
PCB 193 (BZ)	**2.6**	**C180**	**0.050**	**0.0064**	**ng/g**
PCB 194 (BZ)	**0.68**		**0.050**	**0.0081**	**ng/g**
PCB 195 (BZ)	**0.26**		**0.050**	**0.0089**	**ng/g**
PCB 196 (BZ)	**0.43**		**0.050**	**0.0061**	**ng/g**
PCB 197 (BZ)	**0.11**	**C**	**0.050**	**0.0043**	**ng/g**
PCB 198 (BZ)	**1.4**	**C**	**0.050**	**0.0062**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**1.4**	**C198**	**0.050**	**0.0062**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.11**	**C197**	**0.050**	**0.0043**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.12**		**0.050**	**0.0041**	**ng/g**
PCB 202 (BZ)	**0.30**		**0.050**	**0.0046**	**ng/g**
PCB 203 (BZ)	**0.96**		**0.050**	**0.0055**	**ng/g**
PCB 204 (BZ)	ND		0.050	0.0043	ng/g
PCB 205 (BZ)	**0.042**	**J**	**0.050**	**0.0066**	**ng/g**
PCB 206 (BZ)	**0.50**		**0.050**	**0.0057**	**ng/g**
PCB 207 (BZ)	**0.067**		**0.050**	**0.0038**	**ng/g**
PCB 208 (BZ)	**0.16**		**0.050**	**0.0039**	**ng/g**
PCB 209 (BZ)	**0.14**		**0.050**	**0.0046**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	4.6	*	30 - 140
13C12-PCB 3	0.55	*	30 - 140
13C12-PCB 4	62		30 - 140
13C12-PCB 15	52		30 - 140
13C12-PCB 19	71		30 - 140
13C12-PCB 37	58		30 - 140
13C12-PCB 54	75		30 - 140
13C12-PCB 77	59		30 - 140
13C12-PCB 81	64		30 - 140
13C12-PCB 104	66		30 - 140
13C12-PCB 105	72		30 - 140
13C12-PCB 114	73		30 - 140
13C12-PCB 118	72		30 - 140
13C12-PCB 123	70		30 - 140
13C12-PCB 126	65		30 - 140
13C12-PCB 155	90		30 - 140
13C12-PCB 156	70	C	30 - 140
13C12-PCB 157	70	C	30 - 140
13C12-PCB 167	68		30 - 140
13C12-PCB 169	63		30 - 140
13C12-PCB 170	73		30 - 140
13C12-PCB 188	63		30 - 140
13C12-PCB 189	55		30 - 140
13C12-PCB 202	86		30 - 140
13C12-PCB 205	72		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	95		30 - 140
13C12-PCB 209	116		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	78	40 - 125
13C12-PCB 111	79	40 - 125
13C12-PCB 178	67	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 005	**Work Order #....:**	JKVWX1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.050	0.019	ng/g
PCB 2 (BZ)	ND		0.050	0.036	ng/g
PCB 3 (BZ)	ND		0.050	0.16	ng/g
PCB 4 (BZ)	ND		0.10	0.017	ng/g
PCB 5 (BZ)	ND		0.050	0.017	ng/g
PCB 6 (BZ)	ND		0.050	0.015	ng/g
PCB 7 (BZ)	ND		0.050	0.016	ng/g
PCB 8 (BZ)	ND		0.10	0.015	ng/g
PCB 9 (BZ)	ND		0.050	0.015	ng/g
PCB 10 (BZ)	ND		0.050	0.017	ng/g
PCB 11 (BZ)	ND		0.10	0.016	ng/g
PCB 12 (BZ)	ND		0.050	0.016	ng/g
PCB 13 (BZ)	ND		0.050	0.016	ng/g
PCB 14 (BZ)	ND		0.050	0.013	ng/g
PCB 15 (BZ)	ND		0.050	0.020	ng/g
PCB 16 (BZ)	ND		0.050	0.0071	ng/g
PCB 17 (BZ)	ND		0.050	0.0061	ng/g
PCB 18 (BZ)	ND		0.10	0.0051	ng/g
PCB 19 (BZ)	ND		0.050	0.0068	ng/g
PCB 20 (BZ)	**0.066**	**B C J**	**0.10**	**0.0077**	**ng/g**
PCB 21 (BZ)	ND		0.050	0.0077	ng/g
PCB 22 (BZ)	**0.0088**	**Q B J**	**0.050**	**0.0082**	**ng/g**
PCB 23 (BZ)	ND		0.050	0.0083	ng/g
PCB 24 (BZ)	ND		0.050	0.0045	ng/g
PCB 25 (BZ)	ND		0.050	0.0070	ng/g
PCB 26 (BZ)	**0.0098**	**C J**	**0.050**	**0.0078**	**ng/g**
PCB 27 (BZ)	ND		0.050	0.0042	ng/g
PCB 28 (BZ)	**0.066**	**B C20 J**	**0.10**	**0.0077**	**ng/g**
PCB 29 (BZ)	**0.0098**	**C26 J**	**0.050**	**0.0078**	**ng/g**
PCB 30 (BZ)	ND		0.10	0.0051	ng/g
PCB 31 (BZ)	**0.046**	**B J**	**0.10**	**0.0077**	**ng/g**
PCB 32 (BZ)	ND		0.050	0.0040	ng/g
PCB 33 (BZ)	ND		0.050	0.0077	ng/g
PCB 34 (BZ)	ND		0.050	0.0082	ng/g
PCB 35 (BZ)	ND		0.050	0.0085	ng/g
PCB 36 (BZ)	ND		0.050	0.0084	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.050	0.0085	ng/g
PCB 38 (BZ)	ND		0.050	0.0080	ng/g
PCB 39 (BZ)	ND		0.050	0.0076	ng/g
PCB 40 (BZ)	**0.013**	**Q C J**	**0.050**	**0.010**	**ng/g**
PCB 41 (BZ)	**0.013**	**Q C40 J**	**0.050**	**0.010**	**ng/g**
PCB 42 (BZ)	**0.027**	**Q J**	**0.050**	**0.011**	**ng/g**
PCB 43 (BZ)	ND		0.050	0.0094	ng/g
PCB 44 (BZ)	**0.13**	**B C**	**0.050**	**0.0088**	**ng/g**
PCB 45 (BZ)	ND		0.050	0.010	ng/g
PCB 46 (BZ)	ND		0.050	0.013	ng/g
PCB 47 (BZ)	**0.13**	**B C44**	**0.050**	**0.0088**	**ng/g**
PCB 48 (BZ)	ND		0.050	0.010	ng/g
PCB 49 (BZ)	**0.15**	**C**	**0.050**	**0.0082**	**ng/g**
PCB 50 (BZ)	ND		0.050	0.0096	ng/g
PCB 51 (BZ)	ND		0.050	0.010	ng/g
PCB 52 (BZ)	**0.42**	**B**	**0.050**	**0.0097**	**ng/g**
PCB 53 (BZ)	ND		0.050	0.0096	ng/g
PCB 54 (BZ)	ND		0.050	0.0069	ng/g
PCB 55 (BZ)	**0.026**	**Q J**	**0.050**	**0.0077**	**ng/g**
PCB 56 (BZ)	**0.014**	**B J**	**0.050**	**0.0073**	**ng/g**
PCB 57 (BZ)	ND		0.050	0.0073	ng/g
PCB 58 (BZ)	ND		0.050	0.0071	ng/g
PCB 59 (BZ)	**0.014**	**C J**	**0.050**	**0.0069**	**ng/g**
PCB 60 (BZ)	**0.044**	**Q J**	**0.050**	**0.0078**	**ng/g**
PCB 61 (BZ)	**0.55**	**B C**	**0.10**	**0.0069**	**ng/g**
PCB 62 (BZ)	**0.014**	**C59 J**	**0.050**	**0.0069**	**ng/g**
PCB 63 (BZ)	**0.021**	**Q J**	**0.050**	**0.0066**	**ng/g**
PCB 64 (BZ)	**0.065**		**0.050**	**0.0066**	**ng/g**
PCB 65 (BZ)	**0.13**	**B C44**	**0.050**	**0.0088**	**ng/g**
PCB 66 (BZ)	**0.39**	**B**	**0.050**	**0.0070**	**ng/g**
PCB 67 (BZ)	ND		0.050	0.0063	ng/g
PCB 68 (BZ)	ND		0.050	0.0068	ng/g
PCB 69 (BZ)	**0.15**	**C49**	**0.050**	**0.0082**	**ng/g**
PCB 70 (BZ)	**0.55**	**B C61**	**0.10**	**0.0069**	**ng/g**
PCB 71 (BZ)	**0.013**	**Q C40 J**	**0.050**	**0.010**	**ng/g**
PCB 72 (BZ)	ND		0.050	0.0073	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.050	0.0094	ng/g
PCB 74 (BZ)	**0.55**	**B C61**	**0.10**	**0.0069**	**ng/g**
PCB 75 (BZ)	**0.014**	**C59 J**	**0.050**	**0.0069**	**ng/g**
PCB 76 (BZ)	**0.55**	**B C61**	**0.10**	**0.0069**	**ng/g**
PCB 77 (BZ)	**0.021**	**Q J**	**0.050**	**0.0077**	**ng/g**
PCB 78 (BZ)	ND		0.050	0.0079	ng/g
PCB 79 (BZ)	**0.0093**	**Q J**	**0.050**	**0.0061**	**ng/g**
PCB 80 (BZ)	ND		0.050	0.0068	ng/g
PCB 81 (BZ)	ND		0.050	0.0069	ng/g
PCB 82 (BZ)	**0.082**	**Q**	**0.050**	**0.013**	**ng/g**
PCB 83 (BZ)	**1.5**	**C**	**0.050**	**0.011**	**ng/g**
PCB 84 (BZ)	ND		0.050	0.013	ng/g
PCB 85 (BZ)	**0.34**	**C**	**0.050**	**0.0089**	**ng/g**
PCB 86 (BZ)	**0.65**	**C**	**0.050**	**0.0089**	**ng/g**
PCB 87 (BZ)	**0.65**	**C86**	**0.050**	**0.0089**	**ng/g**
PCB 88 (BZ)	**0.13**	**C**	**0.050**	**0.011**	**ng/g**
PCB 89 (BZ)	ND		0.050	0.012	ng/g
PCB 90 (BZ)	**1.6**	**C**	**0.050**	**0.0090**	**ng/g**
PCB 91 (BZ)	**0.13**	**C88**	**0.050**	**0.011**	**ng/g**
PCB 92 (BZ)	**0.27**	**Q**	**0.050**	**0.011**	**ng/g**
PCB 93 (BZ)	**0.025**	**C J**	**0.050**	**0.011**	**ng/g**
PCB 94 (BZ)	ND		0.050	0.012	ng/g
PCB 95 (BZ)	**0.42**		**0.050**	**0.011**	**ng/g**
PCB 96 (BZ)	ND		0.050	0.0084	ng/g
PCB 97 (BZ)	**0.65**	**C86**	**0.050**	**0.0089**	**ng/g**
PCB 98 (BZ)	ND		0.050	0.010	ng/g
PCB 99 (BZ)	**1.5**	**C83**	**0.050**	**0.011**	**ng/g**
PCB 100 (BZ)	**0.025**	**C93 J**	**0.050**	**0.011**	**ng/g**
PCB 101 (BZ)	**1.6**	**C90**	**0.050**	**0.0090**	**ng/g**
PCB 102 (BZ)	ND		0.050	0.010	ng/g
PCB 103 (BZ)	ND		0.050	0.010	ng/g
PCB 104 (BZ)	ND		0.050	0.0076	ng/g
PCB 105 (BZ)	**0.88**		**0.050**	**0.0073**	**ng/g**
PCB 106 (BZ)	ND		0.050	0.0087	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.24**		**0.050**	**0.0083**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.067**	**Q C**	**0.050**	**0.0084**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.65**	**C86**	**0.050**	**0.0089**	**ng/g**
PCB 110 (BZ)	**1.2**	**B C**	**0.050**	**0.0077**	**ng/g**
PCB 111 (BZ)	ND		0.050	0.0074	ng/g
PCB 112 (BZ)	ND		0.050	0.0079	ng/g
PCB 113 (BZ)	**1.6**	**C90**	**0.050**	**0.0090**	**ng/g**
PCB 114 (BZ)	**0.073**		**0.050**	**0.0076**	**ng/g**
PCB 115 (BZ)	**1.2**	**B C110**	**0.050**	**0.0077**	**ng/g**
PCB 116 (BZ)	**0.34**	**C85**	**0.050**	**0.0089**	**ng/g**
PCB 117 (BZ)	**0.34**	**C85**	**0.050**	**0.0089**	**ng/g**
PCB 118 (BZ)	**2.4**		**0.050**	**0.0075**	**ng/g**
PCB 119 (BZ)	**0.65**	**C86**	**0.050**	**0.0089**	**ng/g**
PCB 120 (BZ)	**0.028**	**J**	**0.050**	**0.0075**	**ng/g**
PCB 121 (BZ)	ND		0.050	0.0077	ng/g
PCB 122 (BZ)	**0.056**	**Q**	**0.050**	**0.0088**	**ng/g**
PCB 123 (BZ)	**0.051**	**Q**	**0.050**	**0.0071**	**ng/g**
PCB 124 (BZ)	**0.067**	**Q C108**	**0.050**	**0.0084**	**ng/g**
PCB 125 (BZ)	**0.65**	**C86**	**0.050**	**0.0089**	**ng/g**
PCB 126 (BZ)	**0.010**	**Q J**	**0.050**	**0.0089**	**ng/g**
PCB 127 (BZ)	ND		0.050	0.0079	ng/g
PCB 128 (BZ)	**0.51**	**C**	**0.050**	**0.011**	**ng/g**
PCB 129 (BZ)	**3.3**	**C**	**0.050**	**0.011**	**ng/g**
PCB 130 (BZ)	**0.21**	**Q**	**0.050**	**0.015**	**ng/g**
PCB 131 (BZ)	ND		0.050	0.015	ng/g
PCB 132 (BZ)	**0.28**		**0.050**	**0.015**	**ng/g**
PCB 133 (BZ)	**0.088**	**Q**	**0.050**	**0.014**	**ng/g**
PCB 134 (BZ)	**0.042**	**C J**	**0.050**	**0.015**	**ng/g**
PCB 135 (BZ)	**0.43**	**C**	**0.050**	**0.014**	**ng/g**
PCB 136 (BZ)	**0.047**	**J**	**0.050**	**0.010**	**ng/g**
PCB 137 (BZ)	**0.29**	**C**	**0.050**	**0.011**	**ng/g**
PCB 138 (BZ)	**3.3**	**C129**	**0.050**	**0.011**	**ng/g**
PCB 139 (BZ)	**0.042**	**C J**	**0.050**	**0.013**	**ng/g**
PCB 140 (BZ)	**0.042**	**C139 J**	**0.050**	**0.013**	**ng/g**
PCB 141 (BZ)	**0.38**		**0.050**	**0.014**	**ng/g**
PCB 142 (BZ)	ND		0.050	0.015	ng/g
PCB 143 (BZ)	**0.042**	**C134 J**	**0.050**	**0.015**	**ng/g**
PCB 144 (BZ)	**0.067**		**0.050**	**0.014**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.050	0.010	ng/g
PCB 146 (BZ)	**0.69**		**0.050**	**0.012**	**ng/g**
PCB 147 (BZ)	**1.3**	**C**	**0.050**	**0.013**	**ng/g**
PCB 148 (BZ)	ND		0.050	0.014	ng/g
PCB 149 (BZ)	**1.3**	**C147**	**0.050**	**0.013**	**ng/g**
PCB 150 (BZ)	ND		0.050	0.0097	ng/g
PCB 151 (BZ)	**0.43**	**C135**	**0.050**	**0.014**	**ng/g**
PCB 152 (BZ)	ND		0.050	0.0097	ng/g
PCB 153 (BZ)	**3.7**	**C**	**0.050**	**0.0099**	**ng/g**
PCB 154 (BZ)	**0.094**		**0.050**	**0.011**	**ng/g**
PCB 155 (BZ)	ND		0.050	0.0091	ng/g
PCB 156 (BZ)	**0.39**	**C**	**0.050**	**0.011**	**ng/g**
PCB 157 (BZ)	**0.39**	**C156**	**0.050**	**0.011**	**ng/g**
PCB 158 (BZ)	**0.34**		**0.050**	**0.0088**	**ng/g**
PCB 159 (BZ)	ND		0.050	0.0096	ng/g
PCB 160 (BZ)	**3.3**	**C129**	**0.050**	**0.011**	**ng/g**
PCB 161 (BZ)	ND		0.050	0.0094	ng/g
PCB 162 (BZ)	**0.029**	**J**	**0.050**	**0.0095**	**ng/g**
PCB 163 (BZ)	**3.3**	**C129**	**0.050**	**0.011**	**ng/g**
PCB 164 (BZ)	**0.29**	**C137**	**0.050**	**0.011**	**ng/g**
PCB 165 (BZ)	ND		0.050	0.011	ng/g
PCB 166 (BZ)	**0.51**	**C128**	**0.050**	**0.011**	**ng/g**
PCB 167 (BZ)	**0.17**		**0.050**	**0.0074**	**ng/g**
PCB 168 (BZ)	**3.7**	**C153**	**0.050**	**0.0099**	**ng/g**
PCB 169 (BZ)	ND		0.050	0.0082	ng/g
PCB 170 (BZ)	**0.57**		**0.050**	**0.0096**	**ng/g**
PCB 171 (BZ)	**0.12**	**C**	**0.050**	**0.0098**	**ng/g**
PCB 172 (BZ)	**0.16**		**0.050**	**0.0098**	**ng/g**
PCB 173 (BZ)	**0.12**	**C171**	**0.050**	**0.0098**	**ng/g**
PCB 174 (BZ)	**0.31**		**0.050**	**0.0089**	**ng/g**
PCB 175 (BZ)	**0.028**	**Q J**	**0.050**	**0.0087**	**ng/g**
PCB 176 (BZ)	**0.037**	**J**	**0.050**	**0.0064**	**ng/g**
PCB 177 (BZ)	**0.32**		**0.050**	**0.0094**	**ng/g**
PCB 178 (BZ)	**0.19**		**0.050**	**0.0093**	**ng/g**
PCB 179 (BZ)	**0.060**		**0.050**	**0.0068**	**ng/g**
PCB 180 (BZ)	**1.5**	**C**	**0.050**	**0.0073**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.050	0.0084	ng/g
PCB 182 (BZ)	ND		0.050	0.0082	ng/g
PCB 183 (BZ)	**0.46**	**C**	**0.050**	**0.0086**	**ng/g**
PCB 184 (BZ)	ND		0.050	0.0068	ng/g
PCB 185 (BZ)	**0.46**	**C183**	**0.050**	**0.0086**	**ng/g**
PCB 186 (BZ)	ND		0.050	0.0067	ng/g
PCB 187 (BZ)	**1.3**		**0.050**	**0.0080**	**ng/g**
PCB 188 (BZ)	ND		0.050	0.0063	ng/g
PCB 189 (BZ)	**0.023**	**Q J**	**0.050**	**0.0051**	**ng/g**
PCB 190 (BZ)	**0.15**		**0.050**	**0.0067**	**ng/g**
PCB 191 (BZ)	**0.042**	**J**	**0.050**	**0.0064**	**ng/g**
PCB 192 (BZ)	ND		0.050	0.0073	ng/g
PCB 193 (BZ)	**1.5**	**C180**	**0.050**	**0.0073**	**ng/g**
PCB 194 (BZ)	**0.34**		**0.050**	**0.0065**	**ng/g**
PCB 195 (BZ)	**0.12**	**Q**	**0.050**	**0.0071**	**ng/g**
PCB 196 (BZ)	**0.21**		**0.050**	**0.0092**	**ng/g**
PCB 197 (BZ)	**0.041**	**C J**	**0.050**	**0.0064**	**ng/g**
PCB 198 (BZ)	**0.61**	**C**	**0.050**	**0.0092**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.61**	**C198**	**0.050**	**0.0092**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.041**	**C197 J**	**0.050**	**0.0064**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.068**		**0.050**	**0.0061**	**ng/g**
PCB 202 (BZ)	**0.14**		**0.050**	**0.0069**	**ng/g**
PCB 203 (BZ)	**0.38**		**0.050**	**0.0083**	**ng/g**
PCB 204 (BZ)	ND		0.050	0.0065	ng/g
PCB 205 (BZ)	**0.022**	**J**	**0.050**	**0.0053**	**ng/g**
PCB 206 (BZ)	**0.31**		**0.050**	**0.0044**	**ng/g**
PCB 207 (BZ)	**0.047**	**Q J**	**0.050**	**0.0031**	**ng/g**
PCB 208 (BZ)	**0.15**		**0.050**	**0.0033**	**ng/g**
PCB 209 (BZ)	**0.16**		**0.050**	**0.0034**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	6.8	*	30 - 140
13C12-PCB 3	0.95	*	30 - 140
13C12-PCB 4	63		30 - 140
13C12-PCB 15	56		30 - 140
13C12-PCB 19	75		30 - 140
13C12-PCB 37	60		30 - 140
13C12-PCB 54	92		30 - 140
13C12-PCB 77	67		30 - 140
13C12-PCB 81	70		30 - 140
13C12-PCB 104	67		30 - 140
13C12-PCB 105	70		30 - 140
13C12-PCB 114	69		30 - 140
13C12-PCB 118	72		30 - 140
13C12-PCB 123	71		30 - 140
13C12-PCB 126	69		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	74	C	30 - 140
13C12-PCB 157	74	C	30 - 140
13C12-PCB 167	74		30 - 140
13C12-PCB 169	76		30 - 140
13C12-PCB 170	80		30 - 140
13C12-PCB 188	67		30 - 140
13C12-PCB 189	68		30 - 140
13C12-PCB 202	80		30 - 140
13C12-PCB 205	71		30 - 140
13C12-PCB 206	94		30 - 140
13C12-PCB 208	91		30 - 140
13C12-PCB 209	107		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	84	40 - 125
13C12-PCB 111	82	40 - 125
13C12-PCB 178	73	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-12 SHERMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 006	**Work Order #....:**	JKVW11AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.010	0.00028	ng/g
PCB 2 (BZ)	ND		0.010	0.00038	ng/g
PCB 3 (BZ)	ND		0.010	0.00049	ng/g
PCB 4 (BZ)	**0.0024**	**Q J**	**0.020**	**0.0018**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0017	ng/g
PCB 6 (BZ)	ND		0.010	0.0015	ng/g
PCB 7 (BZ)	ND		0.010	0.0015	ng/g
PCB 8 (BZ)	**0.0034**	**Q B J**	**0.020**	**0.0015**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0015	ng/g
PCB 10 (BZ)	ND		0.010	0.0016	ng/g
PCB 11 (BZ)	**0.0031**	**Q B J**	**0.020**	**0.0016**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0016	ng/g
PCB 13 (BZ)	ND		0.010	0.0016	ng/g
PCB 14 (BZ)	ND		0.010	0.0013	ng/g
PCB 15 (BZ)	**0.0012**	**Q B J**	**0.010**	**0.0018**	**ng/g**
PCB 16 (BZ)	ND		0.010	0.00084	ng/g
PCB 17 (BZ)	**0.0030**	**Q B J**	**0.010**	**0.00073**	**ng/g**
PCB 18 (BZ)	**0.0063**	**B C J**	**0.020**	**0.00061**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00081	ng/g
PCB 20 (BZ)	**0.041**	**B C**	**0.020**	**0.00057**	**ng/g**
PCB 21 (BZ)	**0.0071**	**B C J**	**0.010**	**0.00057**	**ng/g**
PCB 22 (BZ)	**0.0075**	**B J**	**0.010**	**0.00061**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00061	ng/g
PCB 24 (BZ)	ND		0.010	0.00054	ng/g
PCB 25 (BZ)	**0.0029**	**J**	**0.010**	**0.00052**	**ng/g**
PCB 26 (BZ)	**0.0051**	**C J**	**0.010**	**0.00058**	**ng/g**
PCB 27 (BZ)	**0.00084**	**Q J**	**0.010**	**0.00050**	**ng/g**
PCB 28 (BZ)	**0.041**	**B C20**	**0.020**	**0.00057**	**ng/g**
PCB 29 (BZ)	**0.0051**	**C26 J**	**0.010**	**0.00058**	**ng/g**
PCB 30 (BZ)	**0.0063**	**B C18 J**	**0.020**	**0.00061**	**ng/g**
PCB 31 (BZ)	**0.031**	**B**	**0.020**	**0.00057**	**ng/g**
PCB 32 (BZ)	**0.0024**	**Q J**	**0.010**	**0.00047**	**ng/g**
PCB 33 (BZ)	**0.0071**	**B C21 J**	**0.010**	**0.00057**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00060	ng/g
PCB 35 (BZ)	ND		0.010	0.00063	ng/g
PCB 36 (BZ)	ND		0.010	0.00062	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.0037**	**Q J**	**0.010**	**0.00063**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00060	ng/g
PCB 39 (BZ)	**0.00064**	**J**	**0.010**	**0.00056**	**ng/g**
PCB 40 (BZ)	**0.014**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 41 (BZ)	**0.014**	**C40**	**0.010**	**0.0011**	**ng/g**
PCB 42 (BZ)	**0.021**		**0.010**	**0.0011**	**ng/g**
PCB 43 (BZ)	**0.0033**	**Q C J**	**0.010**	**0.00098**	**ng/g**
PCB 44 (BZ)	**0.093**	**B C**	**0.010**	**0.00092**	**ng/g**
PCB 45 (BZ)	**0.0053**	**C J**	**0.010**	**0.0011**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0013	ng/g
PCB 47 (BZ)	**0.093**	**B C44**	**0.010**	**0.00092**	**ng/g**
PCB 48 (BZ)	**0.0034**	**J**	**0.010**	**0.0011**	**ng/g**
PCB 49 (BZ)	**0.10**	**C**	**0.010**	**0.00085**	**ng/g**
PCB 50 (BZ)	**0.0024**	**Q C J**	**0.010**	**0.0010**	**ng/g**
PCB 51 (BZ)	**0.0053**	**C45 J**	**0.010**	**0.0011**	**ng/g**
PCB 52 (BZ)	**0.15**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 53 (BZ)	**0.0024**	**Q C50 J**	**0.010**	**0.0010**	**ng/g**
PCB 54 (BZ)	ND		0.010	0.00086	ng/g
PCB 55 (BZ)	**0.0036**	**Q J**	**0.010**	**0.00081**	**ng/g**
PCB 56 (BZ)	**0.012**	**B**	**0.010**	**0.00077**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00077	ng/g
PCB 58 (BZ)	**0.0010**	**J**	**0.010**	**0.00075**	**ng/g**
PCB 59 (BZ)	**0.0092**	**C J**	**0.010**	**0.00072**	**ng/g**
PCB 60 (BZ)	**0.029**		**0.010**	**0.00082**	**ng/g**
PCB 61 (BZ)	**0.26**	**B C**	**0.020**	**0.00072**	**ng/g**
PCB 62 (BZ)	**0.0092**	**C59 J**	**0.010**	**0.00072**	**ng/g**
PCB 63 (BZ)	**0.0088**	**J**	**0.010**	**0.00069**	**ng/g**
PCB 64 (BZ)	**0.046**		**0.010**	**0.00069**	**ng/g**
PCB 65 (BZ)	**0.093**	**B C44**	**0.010**	**0.00092**	**ng/g**
PCB 66 (BZ)	**0.15**	**B**	**0.010**	**0.00073**	**ng/g**
PCB 67 (BZ)	**0.0050**	**J**	**0.010**	**0.00066**	**ng/g**
PCB 68 (BZ)	**0.0061**	**J**	**0.010**	**0.00071**	**ng/g**
PCB 69 (BZ)	**0.10**	**C49**	**0.010**	**0.00085**	**ng/g**
PCB 70 (BZ)	**0.26**	**B C61**	**0.020**	**0.00072**	**ng/g**
PCB 71 (BZ)	**0.014**	**C40**	**0.010**	**0.0011**	**ng/g**
PCB 72 (BZ)	**0.0062**	**J**	**0.010**	**0.00076**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	**0.0033**	**Q C43 J**	**0.010**	**0.00098**	**ng/g**
PCB 74 (BZ)	**0.26**	**B C61**	**0.020**	**0.00072**	**ng/g**
PCB 75 (BZ)	**0.0092**	**C59 J**	**0.010**	**0.00072**	**ng/g**
PCB 76 (BZ)	**0.26**	**B C61**	**0.020**	**0.00072**	**ng/g**
PCB 77 (BZ)	**0.012**	**Q**	**0.010**	**0.00078**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00083	ng/g
PCB 79 (BZ)	**0.0035**	**Q J**	**0.010**	**0.00064**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00071	ng/g
PCB 81 (BZ)	**0.0013**	**Q J**	**0.010**	**0.00074**	**ng/g**
PCB 82 (BZ)	**0.040**		**0.010**	**0.0018**	**ng/g**
PCB 83 (BZ)	**0.65**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 84 (BZ)	**0.0093**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 85 (BZ)	**0.14**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 86 (BZ)	**0.31**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 87 (BZ)	**0.31**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 88 (BZ)	**0.070**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	**0.73**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 91 (BZ)	**0.070**	**C88**	**0.010**	**0.0015**	**ng/g**
PCB 92 (BZ)	**0.12**		**0.010**	**0.0015**	**ng/g**
PCB 93 (BZ)	**0.014**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 94 (BZ)	ND		0.010	0.0017	ng/g
PCB 95 (BZ)	**0.19**		**0.010**	**0.0015**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0011	ng/g
PCB 97 (BZ)	**0.31**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 98 (BZ)	**0.0078**	**C J**	**0.010**	**0.0014**	**ng/g**
PCB 99 (BZ)	**0.65**	**C83**	**0.010**	**0.0015**	**ng/g**
PCB 100 (BZ)	**0.014**	**C93**	**0.010**	**0.0014**	**ng/g**
PCB 101 (BZ)	**0.73**	**C90**	**0.010**	**0.0012**	**ng/g**
PCB 102 (BZ)	**0.0078**	**C98 J**	**0.010**	**0.0014**	**ng/g**
PCB 103 (BZ)	**0.010**		**0.010**	**0.0014**	**ng/g**
PCB 104 (BZ)	ND		0.010	0.0010	ng/g
PCB 105 (BZ)	**0.18**		**0.010**	**0.00085**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.00099	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.073**		**0.010**	**0.00094**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.028**	**C**	**0.010**	**0.00096**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.31**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 110 (BZ)	**0.56**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 111 (BZ)	**0.0035**	**J**	**0.010**	**0.0010**	**ng/g**
PCB 112 (BZ)	ND		0.010	0.0011	ng/g
PCB 113 (BZ)	**0.73**	**C90**	**0.010**	**0.0012**	**ng/g**
PCB 114 (BZ)	**0.015**	**Q**	**0.010**	**0.00083**	**ng/g**
PCB 115 (BZ)	**0.56**	**B C110**	**0.010**	**0.0011**	**ng/g**
PCB 116 (BZ)	**0.14**	**C85**	**0.010**	**0.0012**	**ng/g**
PCB 117 (BZ)	**0.14**	**C85**	**0.010**	**0.0012**	**ng/g**
PCB 118 (BZ)	**0.62**		**0.010**	**0.00085**	**ng/g**
PCB 119 (BZ)	**0.31**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 120 (BZ)	**0.013**		**0.010**	**0.0010**	**ng/g**
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	**0.0084**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 123 (BZ)	**0.011**	**Q**	**0.010**	**0.00084**	**ng/g**
PCB 124 (BZ)	**0.028**	**C108**	**0.010**	**0.00096**	**ng/g**
PCB 125 (BZ)	**0.31**	**C86**	**0.010**	**0.0012**	**ng/g**
PCB 126 (BZ)	**0.0041**	**J**	**0.010**	**0.00097**	**ng/g**
PCB 127 (BZ)	**0.0030**	**Q J**	**0.010**	**0.00090**	**ng/g**
PCB 128 (BZ)	**0.20**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 129 (BZ)	**1.5**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 130 (BZ)	**0.089**		**0.010**	**0.0020**	**ng/g**
PCB 131 (BZ)	**0.0040**	**J**	**0.010**	**0.0020**	**ng/g**
PCB 132 (BZ)	**0.15**		**0.010**	**0.0019**	**ng/g**
PCB 133 (BZ)	**0.035**		**0.010**	**0.0017**	**ng/g**
PCB 134 (BZ)	**0.011**	**Q C**	**0.010**	**0.0020**	**ng/g**
PCB 135 (BZ)	**0.22**	**C**	**0.010**	**0.0020**	**ng/g**
PCB 136 (BZ)	**0.023**		**0.010**	**0.0015**	**ng/g**
PCB 137 (BZ)	**0.12**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 138 (BZ)	**1.5**	**C129**	**0.010**	**0.0015**	**ng/g**
PCB 139 (BZ)	**0.021**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 140 (BZ)	**0.021**	**C139**	**0.010**	**0.0016**	**ng/g**
PCB 141 (BZ)	**0.21**		**0.010**	**0.0018**	**ng/g**
PCB 142 (BZ)	ND		0.010	0.0019	ng/g
PCB 143 (BZ)	**0.011**	**Q C134**	**0.010**	**0.0020**	**ng/g**
PCB 144 (BZ)	**0.032**		**0.010**	**0.0020**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0015	ng/g
PCB 146 (BZ)	**0.32**		**0.010**	**0.0016**	**ng/g**
PCB 147 (BZ)	**0.65**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 148 (BZ)	**0.0072**	**J**	**0.010**	**0.0020**	**ng/g**
PCB 149 (BZ)	**0.65**	**C147**	**0.010**	**0.0016**	**ng/g**
PCB 150 (BZ)	**0.0041**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 151 (BZ)	**0.22**	**C135**	**0.010**	**0.0020**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0014	ng/g
PCB 153 (BZ)	**1.7**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 154 (BZ)	**0.054**		**0.010**	**0.0017**	**ng/g**
PCB 155 (BZ)	**0.0050**	**J**	**0.010**	**0.0013**	**ng/g**
PCB 156 (BZ)	**0.11**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 157 (BZ)	**0.11**	**C156**	**0.010**	**0.0013**	**ng/g**
PCB 158 (BZ)	**0.11**		**0.010**	**0.0011**	**ng/g**
PCB 159 (BZ)	**0.0080**	**J**	**0.010**	**0.0012**	**ng/g**
PCB 160 (BZ)	**1.5**	**C129**	**0.010**	**0.0015**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0012	ng/g
PCB 162 (BZ)	**0.0070**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 163 (BZ)	**1.5**	**C129**	**0.010**	**0.0015**	**ng/g**
PCB 164 (BZ)	**0.12**	**C137**	**0.010**	**0.0014**	**ng/g**
PCB 165 (BZ)	**0.0030**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 166 (BZ)	**0.20**	**C128**	**0.010**	**0.0014**	**ng/g**
PCB 167 (BZ)	**0.058**		**0.010**	**0.00094**	**ng/g**
PCB 168 (BZ)	**1.7**	**C153**	**0.010**	**0.0013**	**ng/g**
PCB 169 (BZ)	**0.0077**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 170 (BZ)	**0.26**		**0.010**	**0.0014**	**ng/g**
PCB 171 (BZ)	**0.080**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.073**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.080**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.17**		**0.010**	**0.0013**	**ng/g**
PCB 175 (BZ)	**0.017**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 176 (BZ)	**0.016**		**0.010**	**0.00091**	**ng/g**
PCB 177 (BZ)	**0.18**		**0.010**	**0.0013**	**ng/g**
PCB 178 (BZ)	**0.091**		**0.010**	**0.0013**	**ng/g**
PCB 179 (BZ)	**0.040**		**0.010**	**0.00096**	**ng/g**
PCB 180 (BZ)	**0.81**	**C**	**0.010**	**0.0010**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	**0.0042**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0012	ng/g
PCB 183 (BZ)	**0.25**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 184 (BZ)	**0.0035**	**J**	**0.010**	**0.00097**	**ng/g**
PCB 185 (BZ)	**0.25**	**C183**	**0.010**	**0.0012**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00096	ng/g
PCB 187 (BZ)	**0.66**		**0.010**	**0.0011**	**ng/g**
PCB 188 (BZ)	**0.0068**	**J**	**0.010**	**0.00090**	**ng/g**
PCB 189 (BZ)	**0.0098**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 190 (BZ)	**0.055**		**0.010**	**0.00095**	**ng/g**
PCB 191 (BZ)	**0.015**	**Q**	**0.010**	**0.00091**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	**0.81**	**C180**	**0.010**	**0.0010**	**ng/g**
PCB 194 (BZ)	**0.17**		**0.010**	**0.0016**	**ng/g**
PCB 195 (BZ)	**0.066**		**0.010**	**0.0017**	**ng/g**
PCB 196 (BZ)	**0.11**		**0.010**	**0.0011**	**ng/g**
PCB 197 (BZ)	**0.023**	**C**	**0.010**	**0.00075**	**ng/g**
PCB 198 (BZ)	**0.31**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.31**	**C198**	**0.010**	**0.0011**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.023**	**C197**	**0.010**	**0.00075**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.035**		**0.010**	**0.00072**	**ng/g**
PCB 202 (BZ)	**0.074**		**0.010**	**0.00081**	**ng/g**
PCB 203 (BZ)	**0.17**		**0.010**	**0.00097**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00076	ng/g
PCB 205 (BZ)	**0.0090**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 206 (BZ)	**0.17**		**0.010**	**0.0011**	**ng/g**
PCB 207 (BZ)	**0.027**		**0.010**	**0.00062**	**ng/g**
PCB 208 (BZ)	**0.079**		**0.010**	**0.00058**	**ng/g**
PCB 209 (BZ)	**0.096**		**0.010**	**0.00089**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	59		30 - 140
13C12-PCB 3	46		30 - 140
13C12-PCB 4	79		30 - 140
13C12-PCB 15	68		30 - 140
13C12-PCB 19	83		30 - 140
13C12-PCB 37	76		30 - 140
13C12-PCB 54	109		30 - 140
13C12-PCB 77	79		30 - 140
13C12-PCB 81	80		30 - 140
13C12-PCB 104	78		30 - 140
13C12-PCB 105	82		30 - 140
13C12-PCB 114	81		30 - 140
13C12-PCB 118	84		30 - 140
13C12-PCB 123	80		30 - 140
13C12-PCB 126	80		30 - 140
13C12-PCB 155	97		30 - 140
13C12-PCB 156	85	C	30 - 140
13C12-PCB 157	85	C	30 - 140
13C12-PCB 167	84		30 - 140
13C12-PCB 169	72		30 - 140
13C12-PCB 170	87		30 - 140
13C12-PCB 188	73		30 - 140
13C12-PCB 189	73		30 - 140
13C12-PCB 202	87		30 - 140
13C12-PCB 205	74		30 - 140
13C12-PCB 206	97		30 - 140
13C12-PCB 208	123		30 - 140
13C12-PCB 209	112		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	94	40 - 125
13C12-PCB 111	96	40 - 125
13C12-PCB 178	80	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-01 HARRIMAN FILET

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 007	**Work Order #....:**	JKVW31AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	1
Prep Date....:	01/03/07	**Analysis Date....:**	01/15/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.050	0.0025	ng/g
PCB 2 (BZ)	ND		0.050	0.0040	ng/g
PCB 3 (BZ)	ND		0.050	0.0075	ng/g
PCB 4 (BZ)	ND		0.10	0.012	ng/g
PCB 5 (BZ)	ND		0.050	0.012	ng/g
PCB 6 (BZ)	ND		0.050	0.011	ng/g
PCB 7 (BZ)	ND		0.050	0.011	ng/g
PCB 8 (BZ)	ND		0.10	0.011	ng/g
PCB 9 (BZ)	ND		0.050	0.011	ng/g
PCB 10 (BZ)	ND		0.050	0.012	ng/g
PCB 11 (BZ)	**0.049**	**Q B J**	**0.10**	**0.012**	**ng/g**
PCB 12 (BZ)	ND		0.050	0.011	ng/g
PCB 13 (BZ)	ND		0.050	0.011	ng/g
PCB 14 (BZ)	ND		0.050	0.0095	ng/g
PCB 15 (BZ)	ND		0.050	0.014	ng/g
PCB 16 (BZ)	ND		0.050	0.0046	ng/g
PCB 17 (BZ)	ND		0.050	0.0040	ng/g
PCB 18 (BZ)	**0.011**	**B C J**	**0.10**	**0.0034**	**ng/g**
PCB 19 (BZ)	ND		0.050	0.0044	ng/g
PCB 20 (BZ)	**0.037**	**B C J**	**0.10**	**0.0042**	**ng/g**
PCB 21 (BZ)	ND		0.050	0.0042	ng/g
PCB 22 (BZ)	**0.0086**	**B J**	**0.050**	**0.0045**	**ng/g**
PCB 23 (BZ)	ND		0.050	0.0045	ng/g
PCB 24 (BZ)	ND		0.050	0.0029	ng/g
PCB 25 (BZ)	ND		0.050	0.0038	ng/g
PCB 26 (BZ)	ND		0.050	0.0043	ng/g
PCB 27 (BZ)	ND		0.050	0.0028	ng/g
PCB 28 (BZ)	**0.037**	**B C20 J**	**0.10**	**0.0042**	**ng/g**
PCB 29 (BZ)	ND		0.050	0.0043	ng/g
PCB 30 (BZ)	**0.011**	**B C18 J**	**0.10**	**0.0034**	**ng/g**
PCB 31 (BZ)	**0.025**	**Q B J**	**0.10**	**0.0042**	**ng/g**
PCB 32 (BZ)	ND		0.050	0.0026	ng/g
PCB 33 (BZ)	ND		0.050	0.0042	ng/g
PCB 34 (BZ)	ND		0.050	0.0045	ng/g
PCB 35 (BZ)	ND		0.050	0.0047	ng/g
PCB 36 (BZ)	ND		0.050	0.0046	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.050	0.0046	ng/g
PCB 38 (BZ)	ND		0.050	0.0044	ng/g
PCB 39 (BZ)	ND		0.050	0.0042	ng/g
PCB 40 (BZ)	**0.0084**	**Q C J**	**0.050**	**0.0051**	**ng/g**
PCB 41 (BZ)	**0.0084**	**Q C40 J**	**0.050**	**0.0051**	**ng/g**
PCB 42 (BZ)	ND		0.050	0.0053	ng/g
PCB 43 (BZ)	ND		0.050	0.0047	ng/g
PCB 44 (BZ)	**0.060**	**B C**	**0.050**	**0.0044**	**ng/g**
PCB 45 (BZ)	ND		0.050	0.0052	ng/g
PCB 46 (BZ)	ND		0.050	0.0064	ng/g
PCB 47 (BZ)	**0.060**	**B C44**	**0.050**	**0.0044**	**ng/g**
PCB 48 (BZ)	ND		0.050	0.0052	ng/g
PCB 49 (BZ)	**0.039**	**C J**	**0.050**	**0.0041**	**ng/g**
PCB 50 (BZ)	ND		0.050	0.0048	ng/g
PCB 51 (BZ)	ND		0.050	0.0052	ng/g
PCB 52 (BZ)	**0.078**	**Q B**	**0.050**	**0.0048**	**ng/g**
PCB 53 (BZ)	ND		0.050	0.0048	ng/g
PCB 54 (BZ)	ND		0.050	0.0041	ng/g
PCB 55 (BZ)	ND		0.050	0.0039	ng/g
PCB 56 (BZ)	ND		0.050	0.0037	ng/g
PCB 57 (BZ)	ND		0.050	0.0037	ng/g
PCB 58 (BZ)	ND		0.050	0.0036	ng/g
PCB 59 (BZ)	**0.0032**	**Q C J**	**0.050**	**0.0034**	**ng/g**
PCB 60 (BZ)	**0.031**	**J**	**0.050**	**0.0039**	**ng/g**
PCB 61 (BZ)	**0.21**	**B C**	**0.10**	**0.0034**	**ng/g**
PCB 62 (BZ)	**0.0032**	**Q C59 J**	**0.050**	**0.0034**	**ng/g**
PCB 63 (BZ)	**0.0057**	**Q J**	**0.050**	**0.0033**	**ng/g**
PCB 64 (BZ)	**0.026**	**Q J**	**0.050**	**0.0033**	**ng/g**
PCB 65 (BZ)	**0.060**	**B C44**	**0.050**	**0.0044**	**ng/g**
PCB 66 (BZ)	**0.14**	**B**	**0.050**	**0.0035**	**ng/g**
PCB 67 (BZ)	ND		0.050	0.0032	ng/g
PCB 68 (BZ)	ND		0.050	0.0034	ng/g
PCB 69 (BZ)	**0.039**	**C49 J**	**0.050**	**0.0041**	**ng/g**
PCB 70 (BZ)	**0.21**	**B C61**	**0.10**	**0.0034**	**ng/g**
PCB 71 (BZ)	**0.0084**	**Q C40 J**	**0.050**	**0.0051**	**ng/g**
PCB 72 (BZ)	**0.0049**	**Q J**	**0.050**	**0.0037**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.050	0.0047	ng/g
PCB 74 (BZ)	**0.21**	**B C61**	**0.10**	**0.0034**	**ng/g**
PCB 75 (BZ)	**0.0032**	**Q C59 J**	**0.050**	**0.0034**	**ng/g**
PCB 76 (BZ)	**0.21**	**B C61**	**0.10**	**0.0034**	**ng/g**
PCB 77 (BZ)	**0.0097**	**Q J**	**0.050**	**0.0038**	**ng/g**
PCB 78 (BZ)	ND		0.050	0.0040	ng/g
PCB 79 (BZ)	ND		0.050	0.0030	ng/g
PCB 80 (BZ)	ND		0.050	0.0034	ng/g
PCB 81 (BZ)	ND		0.050	0.0035	ng/g
PCB 82 (BZ)	ND		0.050	0.0086	ng/g
PCB 83 (BZ)	**0.81**	**C**	**0.050**	**0.0073**	**ng/g**
PCB 84 (BZ)	ND		0.050	0.0085	ng/g
PCB 85 (BZ)	**0.18**	**C**	**0.050**	**0.0059**	**ng/g**
PCB 86 (BZ)	**0.12**	**C**	**0.050**	**0.0059**	**ng/g**
PCB 87 (BZ)	**0.12**	**C86**	**0.050**	**0.0059**	**ng/g**
PCB 88 (BZ)	**0.026**	**Q C J**	**0.050**	**0.0073**	**ng/g**
PCB 89 (BZ)	ND		0.050	0.0081	ng/g
PCB 90 (BZ)	**0.63**	**C**	**0.050**	**0.0059**	**ng/g**
PCB 91 (BZ)	**0.026**	**Q C88 J**	**0.050**	**0.0073**	**ng/g**
PCB 92 (BZ)	**0.13**		**0.050**	**0.0071**	**ng/g**
PCB 93 (BZ)	ND		0.050	0.0069	ng/g
PCB 94 (BZ)	ND		0.050	0.0080	ng/g
PCB 95 (BZ)	**0.11**		**0.050**	**0.0071**	**ng/g**
PCB 96 (BZ)	ND		0.050	0.0055	ng/g
PCB 97 (BZ)	**0.12**	**C86**	**0.050**	**0.0059**	**ng/g**
PCB 98 (BZ)	ND		0.050	0.0068	ng/g
PCB 99 (BZ)	**0.81**	**C83**	**0.050**	**0.0073**	**ng/g**
PCB 100 (BZ)	ND		0.050	0.0069	ng/g
PCB 101 (BZ)	**0.63**	**C90**	**0.050**	**0.0059**	**ng/g**
PCB 102 (BZ)	ND		0.050	0.0068	ng/g
PCB 103 (BZ)	ND		0.050	0.0068	ng/g
PCB 104 (BZ)	ND		0.050	0.0050	ng/g
PCB 105 (BZ)	**0.29**		**0.050**	**0.0042**	**ng/g**
PCB 106 (BZ)	ND		0.050	0.0050	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.093**		**0.050**	**0.0048**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.040**	**C J**	**0.050**	**0.0049**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.12**	**C86**	**0.050**	**0.0059**	**ng/g**
PCB 110 (BZ)	**0.46**	**B C**	**0.050**	**0.0051**	**ng/g**
PCB 111 (BZ)	**0.0093**	**Q J**	**0.050**	**0.0049**	**ng/g**
PCB 112 (BZ)	ND		0.050	0.0052	ng/g
PCB 113 (BZ)	**0.63**	**C90**	**0.050**	**0.0059**	**ng/g**
PCB 114 (BZ)	**0.027**	**J**	**0.050**	**0.0041**	**ng/g**
PCB 115 (BZ)	**0.46**	**B C110**	**0.050**	**0.0051**	**ng/g**
PCB 116 (BZ)	**0.18**	**C85**	**0.050**	**0.0059**	**ng/g**
PCB 117 (BZ)	**0.18**	**C85**	**0.050**	**0.0059**	**ng/g**
PCB 118 (BZ)	**0.95**		**0.050**	**0.0044**	**ng/g**
PCB 119 (BZ)	**0.12**	**C86**	**0.050**	**0.0059**	**ng/g**
PCB 120 (BZ)	**0.026**	**J**	**0.050**	**0.0049**	**ng/g**
PCB 121 (BZ)	ND		0.050	0.0051	ng/g
PCB 122 (BZ)	**0.013**	**Q J**	**0.050**	**0.0051**	**ng/g**
PCB 123 (BZ)	**0.025**	**J**	**0.050**	**0.0042**	**ng/g**
PCB 124 (BZ)	**0.040**	**C108 J**	**0.050**	**0.0049**	**ng/g**
PCB 125 (BZ)	**0.12**	**C86**	**0.050**	**0.0059**	**ng/g**
PCB 126 (BZ)	**0.0046**	**Q J**	**0.050**	**0.0053**	**ng/g**
PCB 127 (BZ)	ND		0.050	0.0045	ng/g
PCB 128 (BZ)	**0.38**	**C**	**0.050**	**0.0065**	**ng/g**
PCB 129 (BZ)	**2.4**	**C**	**0.050**	**0.0067**	**ng/g**
PCB 130 (BZ)	**0.060**		**0.050**	**0.0088**	**ng/g**
PCB 131 (BZ)	ND		0.050	0.0089	ng/g
PCB 132 (BZ)	**0.021**	**Q J**	**0.050**	**0.0087**	**ng/g**
PCB 133 (BZ)	**0.050**		**0.050**	**0.0079**	**ng/g**
PCB 134 (BZ)	**0.0077**	**Q C J**	**0.050**	**0.0088**	**ng/g**
PCB 135 (BZ)	**0.25**	**C**	**0.050**	**0.0087**	**ng/g**
PCB 136 (BZ)	**0.012**	**J**	**0.050**	**0.0063**	**ng/g**
PCB 137 (BZ)	**0.17**	**Q C**	**0.050**	**0.0065**	**ng/g**
PCB 138 (BZ)	**2.4**	**C129**	**0.050**	**0.0067**	**ng/g**
PCB 139 (BZ)	**0.030**	**C J**	**0.050**	**0.0074**	**ng/g**
PCB 140 (BZ)	**0.030**	**C139 J**	**0.050**	**0.0074**	**ng/g**
PCB 141 (BZ)	**0.35**		**0.050**	**0.0083**	**ng/g**
PCB 142 (BZ)	ND		0.050	0.0087	ng/g
PCB 143 (BZ)	**0.0077**	**Q C134 J**	**0.050**	**0.0088**	**ng/g**
PCB 144 (BZ)	**0.041**	**J**	**0.050**	**0.0084**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.050	0.0062	ng/g
PCB 146 (BZ)	**0.46**		**0.050**	**0.0071**	**ng/g**
PCB 147 (BZ)	**0.31**	**C**	**0.050**	**0.0074**	**ng/g**
PCB 148 (BZ)	ND		0.050	0.0086	ng/g
PCB 149 (BZ)	**0.31**	**C147**	**0.050**	**0.0074**	**ng/g**
PCB 150 (BZ)	ND		0.050	0.0060	ng/g
PCB 151 (BZ)	**0.25**	**C135**	**0.050**	**0.0087**	**ng/g**
PCB 152 (BZ)	ND		0.050	0.0060	ng/g
PCB 153 (BZ)	**2.7**	**C**	**0.050**	**0.0057**	**ng/g**
PCB 154 (BZ)	**0.062**		**0.050**	**0.0071**	**ng/g**
PCB 155 (BZ)	ND		0.050	0.0056	ng/g
PCB 156 (BZ)	**0.20**	**C**	**0.050**	**0.0063**	**ng/g**
PCB 157 (BZ)	**0.20**	**C156**	**0.050**	**0.0063**	**ng/g**
PCB 158 (BZ)	**0.19**		**0.050**	**0.0051**	**ng/g**
PCB 159 (BZ)	ND		0.050	0.0056	ng/g
PCB 160 (BZ)	**2.4**	**C129**	**0.050**	**0.0067**	**ng/g**
PCB 161 (BZ)	ND		0.050	0.0054	ng/g
PCB 162 (BZ)	**0.012**	**Q J**	**0.050**	**0.0055**	**ng/g**
PCB 163 (BZ)	**2.4**	**C129**	**0.050**	**0.0067**	**ng/g**
PCB 164 (BZ)	**0.17**	**Q C137**	**0.050**	**0.0065**	**ng/g**
PCB 165 (BZ)	ND		0.050	0.0062	ng/g
PCB 166 (BZ)	**0.38**	**C128**	**0.050**	**0.0065**	**ng/g**
PCB 167 (BZ)	**0.11**		**0.050**	**0.0043**	**ng/g**
PCB 168 (BZ)	**2.7**	**C153**	**0.050**	**0.0057**	**ng/g**
PCB 169 (BZ)	**0.014**	**Q J**	**0.050**	**0.0047**	**ng/g**
PCB 170 (BZ)	**0.52**		**0.050**	**0.0072**	**ng/g**
PCB 171 (BZ)	**0.13**	**C**	**0.050**	**0.0075**	**ng/g**
PCB 172 (BZ)	**0.13**	**Q**	**0.050**	**0.0075**	**ng/g**
PCB 173 (BZ)	**0.13**	**C171**	**0.050**	**0.0075**	**ng/g**
PCB 174 (BZ)	**0.090**	**Q**	**0.050**	**0.0068**	**ng/g**
PCB 175 (BZ)	**0.024**	**J**	**0.050**	**0.0067**	**ng/g**
PCB 176 (BZ)	ND		0.050	0.0049	ng/g
PCB 177 (BZ)	**0.22**		**0.050**	**0.0072**	**ng/g**
PCB 178 (BZ)	**0.17**		**0.050**	**0.0072**	**ng/g**
PCB 179 (BZ)	**0.020**	**J**	**0.050**	**0.0052**	**ng/g**
PCB 180 (BZ)	**1.6**	**C**	**0.050**	**0.0056**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.050	0.0065	ng/g
PCB 182 (BZ)	ND		0.050	0.0063	ng/g
PCB 183 (BZ)	**0.41**	**C**	**0.050**	**0.0066**	**ng/g**
PCB 184 (BZ)	ND		0.050	0.0053	ng/g
PCB 185 (BZ)	**0.41**	**C183**	**0.050**	**0.0066**	**ng/g**
PCB 186 (BZ)	ND		0.050	0.0052	ng/g
PCB 187 (BZ)	**1.2**		**0.050**	**0.0062**	**ng/g**
PCB 188 (BZ)	ND		0.050	0.0050	ng/g
PCB 189 (BZ)	**0.016**	**Q J**	**0.050**	**0.0044**	**ng/g**
PCB 190 (BZ)	**0.13**		**0.050**	**0.0051**	**ng/g**
PCB 191 (BZ)	**0.045**	**J**	**0.050**	**0.0049**	**ng/g**
PCB 192 (BZ)	ND		0.050	0.0056	ng/g
PCB 193 (BZ)	**1.6**	**C180**	**0.050**	**0.0056**	**ng/g**
PCB 194 (BZ)	**0.32**		**0.050**	**0.0050**	**ng/g**
PCB 195 (BZ)	**0.12**		**0.050**	**0.0054**	**ng/g**
PCB 196 (BZ)	**0.24**		**0.050**	**0.0059**	**ng/g**
PCB 197 (BZ)	**0.018**	**Q C J**	**0.050**	**0.0041**	**ng/g**
PCB 198 (BZ)	**0.63**	**C**	**0.050**	**0.0060**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.63**	**C198**	**0.050**	**0.0060**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.018**	**Q C197 J**	**0.050**	**0.0041**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.048**	**J**	**0.050**	**0.0040**	**ng/g**
PCB 202 (BZ)	**0.14**		**0.050**	**0.0045**	**ng/g**
PCB 203 (BZ)	**0.42**		**0.050**	**0.0054**	**ng/g**
PCB 204 (BZ)	ND		0.050	0.0042	ng/g
PCB 205 (BZ)	**0.018**	**Q J**	**0.050**	**0.0040**	**ng/g**
PCB 206 (BZ)	**0.30**		**0.050**	**0.0035**	**ng/g**
PCB 207 (BZ)	**0.041**	**J**	**0.050**	**0.0023**	**ng/g**
PCB 208 (BZ)	**0.11**		**0.050**	**0.0023**	**ng/g**
PCB 209 (BZ)	**0.14**		**0.050**	**0.0030**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	44		30 - 140
13C12-PCB 3	23	*	30 - 140
13C12-PCB 4	80		30 - 140
13C12-PCB 15	67		30 - 140
13C12-PCB 19	82		30 - 140
13C12-PCB 37	76		30 - 140
13C12-PCB 54	106		30 - 140
13C12-PCB 77	99		30 - 140
13C12-PCB 81	93		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	83		30 - 140
13C12-PCB 114	80		30 - 140
13C12-PCB 118	83		30 - 140
13C12-PCB 123	79		30 - 140
13C12-PCB 126	80		30 - 140
13C12-PCB 155	103		30 - 140
13C12-PCB 156	86	C	30 - 140
13C12-PCB 157	86	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	89		30 - 140
13C12-PCB 170	96		30 - 140
13C12-PCB 188	74		30 - 140
13C12-PCB 189	89		30 - 140
13C12-PCB 202	93		30 - 140
13C12-PCB 205	86		30 - 140
13C12-PCB 206	112		30 - 140
13C12-PCB 208	129		30 - 140
13C12-PCB 209	145	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	101	40 - 125
13C12-PCB 111	101	40 - 125
13C12-PCB 178	85	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-02 HARRIMAN WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 008	**Work Order #....:**	JKVW51AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	10/30/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.050	0.029	ng/g
PCB 2 (BZ)	ND		0.050	0.053	ng/g
PCB 3 (BZ)	ND		0.050	0.17	ng/g
PCB 4 (BZ)	ND		0.10	0.014	ng/g
PCB 5 (BZ)	ND		0.050	0.013	ng/g
PCB 6 (BZ)	ND		0.050	0.012	ng/g
PCB 7 (BZ)	ND		0.050	0.012	ng/g
PCB 8 (BZ)	ND		0.10	0.012	ng/g
PCB 9 (BZ)	ND		0.050	0.012	ng/g
PCB 10 (BZ)	ND		0.050	0.013	ng/g
PCB 11 (BZ)	ND		0.10	0.013	ng/g
PCB 12 (BZ)	ND		0.050	0.013	ng/g
PCB 13 (BZ)	ND		0.050	0.013	ng/g
PCB 14 (BZ)	ND		0.050	0.011	ng/g
PCB 15 (BZ)	ND		0.050	0.015	ng/g
PCB 16 (BZ)	ND		0.050	0.0051	ng/g
PCB 17 (BZ)	ND		0.050	0.0044	ng/g
PCB 18 (BZ)	**0.014**	**Q B C J**	**0.10**	**0.0037**	**ng/g**
PCB 19 (BZ)	ND		0.050	0.0048	ng/g
PCB 20 (BZ)	**0.093**	**B C J**	**0.10**	**0.0053**	**ng/g**
PCB 21 (BZ)	**0.011**	**B C J**	**0.050**	**0.0053**	**ng/g**
PCB 22 (BZ)	**0.024**	**B J**	**0.050**	**0.0056**	**ng/g**
PCB 23 (BZ)	ND		0.050	0.0057	ng/g
PCB 24 (BZ)	ND		0.050	0.0032	ng/g
PCB 25 (BZ)	ND		0.050	0.0048	ng/g
PCB 26 (BZ)	**0.0098**	**Q C J**	**0.050**	**0.0054**	**ng/g**
PCB 27 (BZ)	ND		0.050	0.0030	ng/g
PCB 28 (BZ)	**0.093**	**B C20 J**	**0.10**	**0.0053**	**ng/g**
PCB 29 (BZ)	**0.0098**	**Q C26 J**	**0.050**	**0.0054**	**ng/g**
PCB 30 (BZ)	**0.014**	**Q B C18 J**	**0.10**	**0.0037**	**ng/g**
PCB 31 (BZ)	**0.063**	**B J**	**0.10**	**0.0053**	**ng/g**
PCB 32 (BZ)	ND		0.050	0.0028	ng/g
PCB 33 (BZ)	**0.011**	**B C21 J**	**0.050**	**0.0053**	**ng/g**
PCB 34 (BZ)	ND		0.050	0.0056	ng/g
PCB 35 (BZ)	ND		0.050	0.0058	ng/g
PCB 36 (BZ)	ND		0.050	0.0057	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.050	0.0058	ng/g
PCB 38 (BZ)	ND		0.050	0.0055	ng/g
PCB 39 (BZ)	ND		0.050	0.0052	ng/g
PCB 40 (BZ)	**0.028**	**Q C J**	**0.050**	**0.0073**	**ng/g**
PCB 41 (BZ)	**0.028**	**Q C40 J**	**0.050**	**0.0073**	**ng/g**
PCB 42 (BZ)	**0.038**	**Q J**	**0.050**	**0.0076**	**ng/g**
PCB 43 (BZ)	ND		0.050	0.0068	ng/g
PCB 44 (BZ)	**0.18**	**B C**	**0.050**	**0.0063**	**ng/g**
PCB 45 (BZ)	**0.0077**	**Q C J**	**0.050**	**0.0075**	**ng/g**
PCB 46 (BZ)	ND		0.050	0.0092	ng/g
PCB 47 (BZ)	**0.18**	**B C44**	**0.050**	**0.0063**	**ng/g**
PCB 48 (BZ)	ND		0.050	0.0075	ng/g
PCB 49 (BZ)	**0.14**	**C**	**0.050**	**0.0059**	**ng/g**
PCB 50 (BZ)	ND		0.050	0.0069	ng/g
PCB 51 (BZ)	**0.0077**	**Q C45 J**	**0.050**	**0.0075**	**ng/g**
PCB 52 (BZ)	**0.35**	**B**	**0.050**	**0.0070**	**ng/g**
PCB 53 (BZ)	ND		0.050	0.0069	ng/g
PCB 54 (BZ)	ND		0.050	0.0048	ng/g
PCB 55 (BZ)	**0.011**	**Q J**	**0.050**	**0.0056**	**ng/g**
PCB 56 (BZ)	**0.040**	**Q B J**	**0.050**	**0.0053**	**ng/g**
PCB 57 (BZ)	ND		0.050	0.0053	ng/g
PCB 58 (BZ)	ND		0.050	0.0051	ng/g
PCB 59 (BZ)	**0.016**	**C J**	**0.050**	**0.0050**	**ng/g**
PCB 60 (BZ)	**0.050**	**J**	**0.050**	**0.0056**	**ng/g**
PCB 61 (BZ)	**0.44**	**B C**	**0.10**	**0.0050**	**ng/g**
PCB 62 (BZ)	**0.016**	**C59 J**	**0.050**	**0.0050**	**ng/g**
PCB 63 (BZ)	**0.012**	**Q J**	**0.050**	**0.0048**	**ng/g**
PCB 64 (BZ)	**0.077**		**0.050**	**0.0047**	**ng/g**
PCB 65 (BZ)	**0.18**	**B C44**	**0.050**	**0.0063**	**ng/g**
PCB 66 (BZ)	**0.21**	**B**	**0.050**	**0.0051**	**ng/g**
PCB 67 (BZ)	ND		0.050	0.0046	ng/g
PCB 68 (BZ)	ND		0.050	0.0049	ng/g
PCB 69 (BZ)	**0.14**	**C49**	**0.050**	**0.0059**	**ng/g**
PCB 70 (BZ)	**0.44**	**B C61**	**0.10**	**0.0050**	**ng/g**
PCB 71 (BZ)	**0.028**	**Q C40 J**	**0.050**	**0.0073**	**ng/g**
PCB 72 (BZ)	ND		0.050	0.0053	ng/g

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.050	0.0068	ng/g
PCB 74 (BZ)	**0.44**	**B C61**	**0.10**	**0.0050**	**ng/g**
PCB 75 (BZ)	**0.016**	**C59 J**	**0.050**	**0.0050**	**ng/g**
PCB 76 (BZ)	**0.44**	**B C61**	**0.10**	**0.0050**	**ng/g**
PCB 77 (BZ)	**0.011**	**Q J**	**0.050**	**0.0054**	**ng/g**
PCB 78 (BZ)	ND		0.050	0.0057	ng/g
PCB 79 (BZ)	**0.018**	**J**	**0.050**	**0.0044**	**ng/g**
PCB 80 (BZ)	ND		0.050	0.0049	ng/g
PCB 81 (BZ)	ND		0.050	0.0050	ng/g
PCB 82 (BZ)	**0.15**	**Q**	**0.050**	**0.011**	**ng/g**
PCB 83 (BZ)	**1.3**	**C**	**0.050**	**0.0098**	**ng/g**
PCB 84 (BZ)	**0.17**		**0.050**	**0.011**	**ng/g**
PCB 85 (BZ)	**0.35**	**C**	**0.050**	**0.0079**	**ng/g**
PCB 86 (BZ)	**0.96**	**C**	**0.050**	**0.0079**	**ng/g**
PCB 87 (BZ)	**0.96**	**C86**	**0.050**	**0.0079**	**ng/g**
PCB 88 (BZ)	**0.13**	**Q C**	**0.050**	**0.0098**	**ng/g**
PCB 89 (BZ)	ND		0.050	0.011	ng/g
PCB 90 (BZ)	**1.5**	**C**	**0.050**	**0.0080**	**ng/g**
PCB 91 (BZ)	**0.13**	**Q C88**	**0.050**	**0.0098**	**ng/g**
PCB 92 (BZ)	**0.31**		**0.050**	**0.0095**	**ng/g**
PCB 93 (BZ)	ND		0.050	0.0093	ng/g
PCB 94 (BZ)	ND		0.050	0.011	ng/g
PCB 95 (BZ)	**0.71**		**0.050**	**0.0095**	**ng/g**
PCB 96 (BZ)	ND		0.050	0.0074	ng/g
PCB 97 (BZ)	**0.96**	**C86**	**0.050**	**0.0079**	**ng/g**
PCB 98 (BZ)	ND		0.050	0.0092	ng/g
PCB 99 (BZ)	**1.3**	**C83**	**0.050**	**0.0098**	**ng/g**
PCB 100 (BZ)	ND		0.050	0.0093	ng/g
PCB 101 (BZ)	**1.5**	**C90**	**0.050**	**0.0080**	**ng/g**
PCB 102 (BZ)	ND		0.050	0.0092	ng/g
PCB 103 (BZ)	ND		0.050	0.0091	ng/g
PCB 104 (BZ)	ND		0.050	0.0067	ng/g
PCB 105 (BZ)	**0.74**		**0.050**	**0.0057**	**ng/g**
PCB 106 (BZ)	ND		0.050	0.0067	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.17**		**0.050**	**0.0064**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.079**	**C**	**0.050**	**0.0065**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.96**	**C86**	**0.050**	**0.0079**	**ng/g**
PCB 110 (BZ)	**1.9**	**B C**	**0.050**	**0.0068**	**ng/g**
PCB 111 (BZ)	ND		0.050	0.0065	ng/g
PCB 112 (BZ)	ND		0.050	0.0070	ng/g
PCB 113 (BZ)	**1.5**	**C90**	**0.050**	**0.0080**	**ng/g**
PCB 114 (BZ)	**0.042**	**Q J**	**0.050**	**0.0056**	**ng/g**
PCB 115 (BZ)	**1.9**	**B C110**	**0.050**	**0.0068**	**ng/g**
PCB 116 (BZ)	**0.35**	**C85**	**0.050**	**0.0079**	**ng/g**
PCB 117 (BZ)	**0.35**	**C85**	**0.050**	**0.0079**	**ng/g**
PCB 118 (BZ)	**1.9**		**0.050**	**0.0058**	**ng/g**
PCB 119 (BZ)	**0.96**	**C86**	**0.050**	**0.0079**	**ng/g**
PCB 120 (BZ)	**0.016**	**J**	**0.050**	**0.0066**	**ng/g**
PCB 121 (BZ)	ND		0.050	0.0068	ng/g
PCB 122 (BZ)	**0.019**	**J**	**0.050**	**0.0068**	**ng/g**
PCB 123 (BZ)	**0.060**		**0.050**	**0.0056**	**ng/g**
PCB 124 (BZ)	**0.079**	**C108**	**0.050**	**0.0065**	**ng/g**
PCB 125 (BZ)	**0.96**	**C86**	**0.050**	**0.0079**	**ng/g**
PCB 126 (BZ)	**0.046**	**Q J**	**0.050**	**0.0069**	**ng/g**
PCB 127 (BZ)	ND		0.050	0.0061	ng/g
PCB 128 (BZ)	**0.54**	**C**	**0.050**	**0.0088**	**ng/g**
PCB 129 (BZ)	**3.5**	**C**	**0.050**	**0.0089**	**ng/g**
PCB 130 (BZ)	**0.20**		**0.050**	**0.012**	**ng/g**
PCB 131 (BZ)	**0.022**	**Q J**	**0.050**	**0.012**	**ng/g**
PCB 132 (BZ)	**0.41**		**0.050**	**0.012**	**ng/g**
PCB 133 (BZ)	**0.057**		**0.050**	**0.011**	**ng/g**
PCB 134 (BZ)	**0.092**	**C**	**0.050**	**0.012**	**ng/g**
PCB 135 (BZ)	**0.59**	**C**	**0.050**	**0.012**	**ng/g**
PCB 136 (BZ)	**0.12**		**0.050**	**0.0086**	**ng/g**
PCB 137 (BZ)	**0.28**	**Q C**	**0.050**	**0.0087**	**ng/g**
PCB 138 (BZ)	**3.5**	**C129**	**0.050**	**0.0089**	**ng/g**
PCB 139 (BZ)	**0.050**	**C J**	**0.050**	**0.0099**	**ng/g**
PCB 140 (BZ)	**0.050**	**C139 J**	**0.050**	**0.0099**	**ng/g**
PCB 141 (BZ)	**0.38**		**0.050**	**0.011**	**ng/g**
PCB 142 (BZ)	ND		0.050	0.012	ng/g
PCB 143 (BZ)	**0.092**	**C134**	**0.050**	**0.012**	**ng/g**
PCB 144 (BZ)	**0.065**		**0.050**	**0.011**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.050	0.0085	ng/g
PCB 146 (BZ)	**0.44**		**0.050**	**0.0096**	**ng/g**
PCB 147 (BZ)	**1.6**	**C**	**0.050**	**0.010**	**ng/g**
PCB 148 (BZ)	ND		0.050	0.012	ng/g
PCB 149 (BZ)	**1.6**	**C147**	**0.050**	**0.010**	**ng/g**
PCB 150 (BZ)	ND		0.050	0.0082	ng/g
PCB 151 (BZ)	**0.59**	**C135**	**0.050**	**0.012**	**ng/g**
PCB 152 (BZ)	ND		0.050	0.0081	ng/g
PCB 153 (BZ)	**2.4**	**C**	**0.050**	**0.0077**	**ng/g**
PCB 154 (BZ)	**0.029**	**J**	**0.050**	**0.0096**	**ng/g**
PCB 155 (BZ)	ND		0.050	0.0076	ng/g
PCB 156 (BZ)	**0.35**	**C**	**0.050**	**0.0081**	**ng/g**
PCB 157 (BZ)	**0.35**	**C156**	**0.050**	**0.0081**	**ng/g**
PCB 158 (BZ)	**0.30**		**0.050**	**0.0069**	**ng/g**
PCB 159 (BZ)	**0.020**	**J**	**0.050**	**0.0075**	**ng/g**
PCB 160 (BZ)	**3.5**	**C129**	**0.050**	**0.0089**	**ng/g**
PCB 161 (BZ)	ND		0.050	0.0073	ng/g
PCB 162 (BZ)	**0.019**	**Q J**	**0.050**	**0.0074**	**ng/g**
PCB 163 (BZ)	**3.5**	**C129**	**0.050**	**0.0089**	**ng/g**
PCB 164 (BZ)	**0.28**	**Q C137**	**0.050**	**0.0087**	**ng/g**
PCB 165 (BZ)	ND		0.050	0.0083	ng/g
PCB 166 (BZ)	**0.54**	**C128**	**0.050**	**0.0088**	**ng/g**
PCB 167 (BZ)	**0.12**		**0.050**	**0.0061**	**ng/g**
PCB 168 (BZ)	**2.4**	**C153**	**0.050**	**0.0077**	**ng/g**
PCB 169 (BZ)	**0.011**	**Q J**	**0.050**	**0.0063**	**ng/g**
PCB 170 (BZ)	**0.45**		**0.050**	**0.0084**	**ng/g**
PCB 171 (BZ)	**0.13**	**C**	**0.050**	**0.0087**	**ng/g**
PCB 172 (BZ)	**0.096**		**0.050**	**0.0087**	**ng/g**
PCB 173 (BZ)	**0.13**	**C171**	**0.050**	**0.0087**	**ng/g**
PCB 174 (BZ)	**0.32**		**0.050**	**0.0079**	**ng/g**
PCB 175 (BZ)	**0.024**	**Q J**	**0.050**	**0.0077**	**ng/g**
PCB 176 (BZ)	**0.028**	**Q J**	**0.050**	**0.0057**	**ng/g**
PCB 177 (BZ)	**0.26**		**0.050**	**0.0083**	**ng/g**
PCB 178 (BZ)	**0.17**		**0.050**	**0.0083**	**ng/g**
PCB 179 (BZ)	**0.17**		**0.050**	**0.0060**	**ng/g**
PCB 180 (BZ)	**1.2**	**C**	**0.050**	**0.0065**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.050	0.0075	ng/g
PCB 182 (BZ)	**0.012**	**Q J**	**0.050**	**0.0073**	**ng/g**
PCB 183 (BZ)	**0.39**	**C**	**0.050**	**0.0077**	**ng/g**
PCB 184 (BZ)	ND		0.050	0.0061	ng/g
PCB 185 (BZ)	**0.39**	**C183**	**0.050**	**0.0077**	**ng/g**
PCB 186 (BZ)	ND		0.050	0.0060	ng/g
PCB 187 (BZ)	**1.3**		**0.050**	**0.0071**	**ng/g**
PCB 188 (BZ)	ND		0.050	0.0058	ng/g
PCB 189 (BZ)	**0.012**	**J**	**0.050**	**0.0050**	**ng/g**
PCB 190 (BZ)	**0.14**		**0.050**	**0.0060**	**ng/g**
PCB 191 (BZ)	**0.026**	**Q J**	**0.050**	**0.0057**	**ng/g**
PCB 192 (BZ)	ND		0.050	0.0065	ng/g
PCB 193 (BZ)	**1.2**	**C180**	**0.050**	**0.0065**	**ng/g**
PCB 194 (BZ)	**0.31**		**0.050**	**0.0071**	**ng/g**
PCB 195 (BZ)	**0.15**		**0.050**	**0.0077**	**ng/g**
PCB 196 (BZ)	**0.22**		**0.050**	**0.0075**	**ng/g**
PCB 197 (BZ)	**0.040**	**C J**	**0.050**	**0.0052**	**ng/g**
PCB 198 (BZ)	**0.65**	**C**	**0.050**	**0.0076**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.65**	**C198**	**0.050**	**0.0076**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	**0.040**	**C197 J**	**0.050**	**0.0052**	**ng/g**
PCB 200 (BZ)/201 (IUPAC)	**0.040**	**J**	**0.050**	**0.0050**	**ng/g**
PCB 202 (BZ)	**0.16**		**0.050**	**0.0056**	**ng/g**
PCB 203 (BZ)	**0.48**		**0.050**	**0.0068**	**ng/g**
PCB 204 (BZ)	ND		0.050	0.0053	ng/g
PCB 205 (BZ)	**0.021**	**Q J**	**0.050**	**0.0057**	**ng/g**
PCB 206 (BZ)	**0.23**		**0.050**	**0.0054**	**ng/g**
PCB 207 (BZ)	**0.030**	**J**	**0.050**	**0.0033**	**ng/g**
PCB 208 (BZ)	**0.080**		**0.050**	**0.0031**	**ng/g**
PCB 209 (BZ)	**0.081**		**0.050**	**0.0037**	**ng/g**

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	2.7	*	30 - 140
13C12-PCB 3	0.36	*	30 - 140
13C12-PCB 4	60		30 - 140
13C12-PCB 15	50		30 - 140
13C12-PCB 19	71		30 - 140
13C12-PCB 37	52		30 - 140
13C12-PCB 54	84		30 - 140
13C12-PCB 77	61		30 - 140
13C12-PCB 81	61		30 - 140
13C12-PCB 104	60		30 - 140
13C12-PCB 105	61		30 - 140
13C12-PCB 114	61		30 - 140
13C12-PCB 118	63		30 - 140
13C12-PCB 123	61		30 - 140
13C12-PCB 126	60		30 - 140
13C12-PCB 155	75		30 - 140
13C12-PCB 156	62	C	30 - 140
13C12-PCB 157	62	C	30 - 140
13C12-PCB 167	61		30 - 140
13C12-PCB 169	64		30 - 140
13C12-PCB 170	72		30 - 140
13C12-PCB 188	56		30 - 140
13C12-PCB 189	65		30 - 140
13C12-PCB 202	67		30 - 140
13C12-PCB 205	61		30 - 140
13C12-PCB 206	72		30 - 140
13C12-PCB 208	95		30 - 140
13C12-PCB 209	102		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	76	40 - 125
13C12-PCB 111	75	40 - 125
13C12-PCB 178	65	40 - 125

YANKEE ATOMIC ELECTRIC CO

Sample ID: FH-FD-12 WHOLE

Trace Level Organic Compounds

Lot - Sample #....:	H6L060116 - 009	**Work Order #....:**	JKVW61AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	11/13/06	**Date Received....:**	12/06/06	**Dilution Factor:**	5
Prep Date....:	01/03/07	**Analysis Date....:**	01/16/07		
Prep Batch # ....:	7003089				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Co-eluting isomer.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for
for
ATMC001 Yankee Atomic

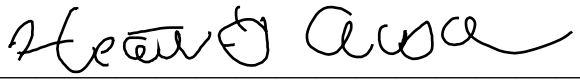
Client SDG: 177482 GEL Work Order: 177482

Sample(s) Contained within this report:

Lab Sample ID	Client Sample ID	Sample Description	Collected
177482001	FH-01 Yellow Perch	N/A	10/30/2006 12:00
177482002	FH-01 Rainbow Trout	N/A	10/30/2006 12:00
177482003	FH-02 Yellow Perch	N/A	11/30/2006 12:00
177482004	FH-02 Rainbow Trout	N/A	11/30/2006 12:00
177482005	FH-11 Yellow Perch	N/A	11/30/2006 12:00
177482006	FH-11 Brown Trout	N/A	11/30/2006 12:00
177482007	FH-12 Yellow Perch	N/A	11/30/2006 12:00
177482008	FH-12 Brown Trout	N/A	11/30/2006 12:00
177482009	FH-FD-12 Yellow Perch	N/A	11/30/2006 12:00
177482010	FH-FD-12 Brown Trout	N/A	11/30/2006 12:00
177482011	FH-21 Brown Trout	N/A	11/30/2006 12:00
177482012	FH-22 Brown Trout	N/A	11/30/2006 12:00
177482013	FH-01 Yellow Perch-Fillet	N/A	11/30/2006 12:00
177482014	FH-01 Rainbow Trout-Fillet	N/A	11/30/2006 12:00
177482015	FH-01/02 Yellow Perch-Composit	N/A	11/30/2006 12:00
177482016	FH-01/02 Rainbow Trout-Composi	N/A	11/30/2006 12:00
177482017	FH-11 Yellow Perch-Fillet	N/A	11/30/2006 12:00
177482018	FH-11 Brown Trout-Fillet	N/A	11/30/2006 12:00
177482019	FH-11/12 Yellow Perch-Composit	N/A	11/30/2006 12:00
177482020	FH-11/12 Brown Trout-Composite	N/A	11/30/2006 12:00
177482021	FH-FD-12 Yellow Perch-Fillet	N/A	11/30/2006 12:00
177482022	FH-FD-12 Brown Trout-Fillet	N/A	11/30/2006 12:00
177482023	FH-FD-12 Yellow Perch-Composit	N/A	11/30/2006 12:00
177482024	FH-FD-12 Brown Trout-Composite	N/A	11/30/2006 12:00
177482025	FH-21/22 Brown Trout-Fillet	N/A	11/30/2006 12:00
177482026	FH-21/22 Brown Trout-Offal	N/A	11/30/2006 12:00

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Cheryl Jones.



Reviewed by

METALS
–1–
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482013 **CLIENT ID:** FH–01 Yellow Perch–Fillet

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07–DEC–06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440–36–0	Antimony	0.0975	mg/kg	U		MS	0.0975	2	ICPMS3	070104–4
7440–38–2	Arsenic	0.292	mg/kg	U		MS	0.292	2	ICPMS3	070103–3
7440–41–7	Beryllium	0.0195	mg/kg	U		MS	0.0195	2	ICPMS3	070104–4
7440–42–8	Boron	0.780	mg/kg	U		MS	0.78	2	ICPMS3	070104–4
7440–43–9	Cadmium	0.0195	mg/kg	U		MS	0.0195	2	ICPMS3	070103–3
7440–47–3	Chromium	0.330	mg/kg	B		MS	0.195	2	ICPMS3	070103–3
7440–50–8	Copper	0.360	mg/kg		*	MS	0.039	2	ICPMS3	070103–3
7439–92–1	Lead	0.0975	mg/kg	U		MS	0.0975	2	ICPMS3	070103–3
7439–93–2	Lithium	0.390	mg/kg	U		MS	0.39	2	ICPMS3	070104–4
7439–97–6	Mercury	681	ug/kg		*EN	AV	23.6	10	MER179	122806S1–2
7440–02–0	Nickel	0.0975	mg/kg	U	*	MS	0.0975	2	ICPMS3	070103–3
7782–49–2	Selenium	0.487	mg/kg	U		MS	0.487	2	ICPMS3	070103–3
7440–22–4	Silver	0.039	mg/kg	U		MS	0.039	2	ICPMS3	070103–3
7440–28–0	Thallium	0.078	mg/kg	U		MS	0.078	2	ICPMS3	070103–3
7440–61–1	Uranium	0.00975	mg/kg	U	*	MS	0.00975	2	ICPMS3	070103–3
7440–66–6	Zinc	8.4	mg/kg		*N	MS	0.39	2	ICPMS3	070103–3

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482014 **CLIENT ID:** FH-01 Rainbow Trout-Fillet

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.10	mg/kg	U		MS	0.1	2	ICPMS3	070104-4
7440-38-2	Arsenic	0.30	mg/kg	U		MS	0.3	2	ICPMS3	070103-3
7440-41-7	Beryllium	0.020	mg/kg	U		MS	0.02	2	ICPMS3	070104-4
7440-42-8	Boron	0.80	mg/kg	U		MS	0.8	2	ICPMS3	070104-4
7440-43-9	Cadmium	0.020	mg/kg	U		MS	0.02	2	ICPMS3	070103-3
7440-47-3	Chromium	0.310	mg/kg	B		MS	0.2	2	ICPMS3	070103-3
7440-50-8	Copper	0.290	mg/kg		*	MS	0.04	2	ICPMS3	070103-3
7439-92-1	Lead	0.10	mg/kg	U		MS	0.1	2	ICPMS3	070103-3
7439-93-2	Lithium	0.40	mg/kg	U		MS	0.4	2	ICPMS3	070104-4
7439-97-6	Mercury	130	ug/kg		*EN	AV	2.47	1	MER179	122806S1-2
7440-02-0	Nickel	0.10	mg/kg	U	*	MS	0.1	2	ICPMS3	070103-3
7782-49-2	Selenium	0.50	mg/kg	U		MS	0.5	2	ICPMS3	070103-3
7440-22-4	Silver	0.040	mg/kg	U		MS	0.04	2	ICPMS3	070103-3
7440-28-0	Thallium	0.080	mg/kg	U		MS	0.08	2	ICPMS3	070103-3
7440-61-1	Uranium	0.010	mg/kg	U	*	MS	0.01	2	ICPMS3	070103-3
7440-66-6	Zinc	7.2	mg/kg		*N	MS	0.4	2	ICPMS3	070103-3

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482015 **CLIENT ID:** FH-01/02 Yellow Perch-Com

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:** 27

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0982	mg/kg	U		MS	0.0982	2	ICPMS6	070105-7
7440-38-2	Arsenic	0.295	mg/kg	U		MS	0.295	2	ICPMS6	070105-5
7440-41-7	Beryllium	0.0196	mg/kg	U		MS	0.0196	2	ICPMS6	070105-7
7440-42-8	Boron	0.786	mg/kg	U		MS	0.786	2	ICPMS6	070105-7
7440-43-9	Cadmium	0.130	mg/kg	B		MS	0.0196	2	ICPMS6	070105-5
7440-47-3	Chromium	0.490	mg/kg	B		MS	0.196	2	ICPMS6	070105-7
7440-50-8	Copper	1.3	mg/kg		*	MS	0.0393	2	ICPMS6	070105-7
7439-92-1	Lead	0.0982	mg/kg	U		MS	0.0982	2	ICPMS6	070105-5
7439-93-2	Lithium	0.393	mg/kg	U		MS	0.393	2	ICPMS6	070105-7
7439-97-6	Mercury	177	ug/kg		*EN	AV	2.2	1	MER179	010807S1-1
7440-02-0	Nickel	0.280	mg/kg	B	*	MS	0.0982	2	ICPMS6	070105-7
7782-49-2	Selenium	0.510	mg/kg	B		MS	0.491	2	ICPMS6	070105-5
7440-22-4	Silver	0.0393	mg/kg	U		MS	0.0393	2	ICPMS6	070105-5
7440-28-0	Thallium	0.0786	mg/kg	U		MS	0.0786	2	ICPMS6	070105-5
7440-61-1	Uranium	0.00982	mg/kg	U	*	MS	0.00982	2	ICPMS6	070105-5
7440-66-6	Zinc	28.6	mg/kg		*N	MS	0.398	2	ICPMS6	070109-8

METALS
–1–
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482016 **CLIENT ID:** FH–01/02 Rainbow Trout–Co

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07–DEC–06 **LEVEL:** Low **%SOLIDS:** 23

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440–36–0	Antimony	0.0952	mg/kg	U		MS	0.0952	2	ICPMS6	070105–7
7440–38–2	Arsenic	0.286	mg/kg	U		MS	0.286	2	ICPMS6	070105–5
7440–41–7	Beryllium	0.019	mg/kg	U		MS	0.019	2	ICPMS6	070105–7
7440–42–8	Boron	0.762	mg/kg	U		MS	0.762	2	ICPMS6	070105–7
7440–43–9	Cadmium	0.062	mg/kg	B		MS	0.019	2	ICPMS6	070105–5
7440–47–3	Chromium	0.960	mg/kg			MS	0.19	2	ICPMS6	070105–7
7440–50–8	Copper	0.910	mg/kg		*	MS	0.0381	2	ICPMS6	070105–7
7439–92–1	Lead	0.0952	mg/kg	U		MS	0.0952	2	ICPMS6	070105–5
7439–93–2	Lithium	0.381	mg/kg	U		MS	0.381	2	ICPMS6	070105–7
7439–97–6	Mercury	87.1	ug/kg		*EN	AV	2.24	1	MER179	010807S1–1
7440–02–0	Nickel	0.930	mg/kg		*	MS	0.0952	2	ICPMS6	070105–7
7782–49–2	Selenium	0.476	mg/kg	U		MS	0.476	2	ICPMS6	070105–5
7440–22–4	Silver	0.054	mg/kg	B		MS	0.0381	2	ICPMS6	070105–5
7440–28–0	Thallium	0.0762	mg/kg	U		MS	0.0762	2	ICPMS6	070105–5
7440–61–1	Uranium	0.00952	mg/kg	U	*	MS	0.00952	2	ICPMS6	070105–5
7440–66–6	Zinc	24.7	mg/kg		*N	MS	0.381	2	ICPMS6	070109–8

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482017 **CLIENT ID:** FH-11 Yellow Perch-Fillet

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.099	mg/kg	U		MS	0.099	2	ICPMS3	070104-4
7440-38-2	Arsenic	0.297	mg/kg	U		MS	0.297	2	ICPMS3	070103-3
7440-41-7	Beryllium	0.0198	mg/kg	U		MS	0.0198	2	ICPMS3	070104-4
7440-42-8	Boron	0.792	mg/kg	U		MS	0.792	2	ICPMS3	070104-4
7440-43-9	Cadmium	0.0198	mg/kg	U		MS	0.0198	2	ICPMS3	070103-3
7440-47-3	Chromium	0.340	mg/kg	B		MS	0.198	2	ICPMS3	070103-3
7440-50-8	Copper	0.180	mg/kg	B	*	MS	0.0396	2	ICPMS3	070103-3
7439-92-1	Lead	0.099	mg/kg	U		MS	0.099	2	ICPMS3	070103-3
7439-93-2	Lithium	0.396	mg/kg	U		MS	0.396	2	ICPMS3	070104-4
7439-97-6	Mercury	270	ug/kg		*EN	AV	2.38	1	MER179	122806S1-2
7440-02-0	Nickel	0.099	mg/kg	U	*	MS	0.099	2	ICPMS3	070103-3
7782-49-2	Selenium	0.550	mg/kg	B		MS	0.495	2	ICPMS3	070103-3
7440-22-4	Silver	0.0396	mg/kg	U		MS	0.0396	2	ICPMS3	070103-3
7440-28-0	Thallium	0.0792	mg/kg	U		MS	0.0792	2	ICPMS3	070103-3
7440-61-1	Uranium	0.0099	mg/kg	U	*	MS	0.0099	2	ICPMS3	070103-3
7440-66-6	Zinc	7.7	mg/kg		*N	MS	0.396	2	ICPMS3	070103-3

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482018 **CLIENT ID:** FH-11 Brown Trout-Fillet

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0952	mg/kg	U		MS	0.0952	2	ICPMS3	070104-4
7440-38-2	Arsenic	0.310	mg/kg	B		MS	0.286	2	ICPMS3	070103-3
7440-41-7	Beryllium	0.019	mg/kg	U		MS	0.019	2	ICPMS3	070104-4
7440-42-8	Boron	0.762	mg/kg	U		MS	0.762	2	ICPMS3	070104-4
7440-43-9	Cadmium	0.019	mg/kg	U		MS	0.019	2	ICPMS3	070103-3
7440-47-3	Chromium	0.430	mg/kg	B		MS	0.19	2	ICPMS3	070103-3
7440-50-8	Copper	0.420	mg/kg		*	MS	0.0381	2	ICPMS3	070103-3
7439-92-1	Lead	0.0952	mg/kg	U		MS	0.0952	2	ICPMS3	070103-3
7439-93-2	Lithium	0.381	mg/kg	U		MS	0.381	2	ICPMS3	070104-4
7439-97-6	Mercury	58	ug/kg		*EN	AV	2.28	1	MER179	122806S1-2
7440-02-0	Nickel	0.0952	mg/kg	U	*	MS	0.0952	2	ICPMS3	070103-3
7782-49-2	Selenium	0.476	mg/kg	U		MS	0.476	2	ICPMS3	070103-3
7440-22-4	Silver	0.0381	mg/kg	U		MS	0.0381	2	ICPMS3	070103-3
7440-28-0	Thallium	0.0762	mg/kg	U		MS	0.0762	2	ICPMS3	070103-3
7440-61-1	Uranium	0.00952	mg/kg	U	*	MS	0.00952	2	ICPMS3	070103-3
7440-66-6	Zinc	6	mg/kg		*N	MS	0.381	2	ICPMS3	070103-3

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482019 **CLIENT ID:** FH-11/12 Yellow Perch-Com

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:** 29

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0952	mg/kg	U		MS	0.0952	2	ICPMS6	070105-7
7440-38-2	Arsenic	0.286	mg/kg	U		MS	0.286	2	ICPMS6	070105-5
7440-41-7	Beryllium	0.019	mg/kg	U		MS	0.019	2	ICPMS6	070105-7
7440-42-8	Boron	0.762	mg/kg	U		MS	0.762	2	ICPMS6	070105-7
7440-43-9	Cadmium	0.074	mg/kg	B		MS	0.019	2	ICPMS6	070105-5
7440-47-3	Chromium	0.410	mg/kg	B		MS	0.19	2	ICPMS6	070105-7
7440-50-8	Copper	0.450	mg/kg		*	MS	0.0381	2	ICPMS6	070105-7
7439-92-1	Lead	0.0952	mg/kg	U		MS	0.0952	2	ICPMS6	070105-5
7439-93-2	Lithium	0.381	mg/kg	U		MS	0.381	2	ICPMS6	070105-7
7439-97-6	Mercury	136	ug/kg		*EN	AV	2.4	1	MER179	010807S1-1
7440-02-0	Nickel	0.350	mg/kg	B	*	MS	0.0952	2	ICPMS6	070105-7
7782-49-2	Selenium	0.476	mg/kg	U		MS	0.476	2	ICPMS6	070105-5
7440-22-4	Silver	0.0381	mg/kg	U		MS	0.0381	2	ICPMS6	070105-5
7440-28-0	Thallium	0.0762	mg/kg	U		MS	0.0762	2	ICPMS6	070105-5
7440-61-1	Uranium	0.00952	mg/kg	U	*	MS	0.00952	2	ICPMS6	070105-5
7440-66-6	Zinc	31.3	mg/kg		*N	MS	0.382	2	ICPMS6	070109-8

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482020 **CLIENT ID:** FH-11/12 Brown Trout-Com

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:** 21

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.10	mg/kg	U		MS	0.1	2	ICPMS6	070105-7
7440-38-2	Arsenic	0.30	mg/kg	U		MS	0.3	2	ICPMS6	070105-5
7440-41-7	Beryllium	0.020	mg/kg	U		MS	0.02	2	ICPMS6	070105-7
7440-42-8	Boron	0.80	mg/kg	U		MS	0.8	2	ICPMS6	070105-7
7440-43-9	Cadmium	0.029	mg/kg	B		MS	0.02	2	ICPMS6	070105-5
7440-47-3	Chromium	0.440	mg/kg	B		MS	0.2	2	ICPMS6	070105-7
7440-50-8	Copper	1.2	mg/kg		*	MS	0.04	2	ICPMS6	070105-7
7439-92-1	Lead	0.10	mg/kg	U		MS	0.1	2	ICPMS6	070105-5
7439-93-2	Lithium	0.40	mg/kg	U		MS	0.4	2	ICPMS6	070105-7
7439-97-6	Mercury	184	ug/kg		*EN	AV	2.41	1	MER179	010807S1-1
7440-02-0	Nickel	0.140	mg/kg	B	*	MS	0.1	2	ICPMS6	070105-7
7782-49-2	Selenium	0.50	mg/kg	U		MS	0.5	2	ICPMS6	070105-5
7440-22-4	Silver	0.040	mg/kg	U		MS	0.04	2	ICPMS6	070105-5
7440-28-0	Thallium	0.080	mg/kg	U		MS	0.08	2	ICPMS6	070105-5
7440-61-1	Uranium	0.010	mg/kg	U	*	MS	0.01	2	ICPMS6	070105-5
7440-66-6	Zinc	11.6	mg/kg		*N	MS	0.381	2	ICPMS6	070109-8

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482021 **CLIENT ID:** FH-FD-12 Yellow Perch-Fil

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0996	mg/kg	U		MS	0.0996	2	ICPMS3	070104-4
7440-38-2	Arsenic	0.299	mg/kg	U		MS	0.299	2	ICPMS3	070103-3
7440-41-7	Beryllium	0.0199	mg/kg	U		MS	0.0199	2	ICPMS3	070104-4
7440-42-8	Boron	0.797	mg/kg	U		MS	0.797	2	ICPMS3	070104-4
7440-43-9	Cadmium	0.0199	mg/kg	U		MS	0.0199	2	ICPMS3	070103-3
7440-47-3	Chromium	0.330	mg/kg	B		MS	0.199	2	ICPMS3	070103-3
7440-50-8	Copper	0.180	mg/kg	B	*	MS	0.0398	2	ICPMS3	070103-3
7439-92-1	Lead	0.0996	mg/kg	U		MS	0.0996	2	ICPMS3	070103-3
7439-93-2	Lithium	0.398	mg/kg	U		MS	0.398	2	ICPMS3	070104-4
7439-97-6	Mercury	152	ug/kg		*EN	AV	2.2	1	MER179	122806S1-2
7440-02-0	Nickel	0.0996	mg/kg	U	*	MS	0.0996	2	ICPMS3	070103-3
7782-49-2	Selenium	0.498	mg/kg	U		MS	0.498	2	ICPMS3	070103-3
7440-22-4	Silver	0.0398	mg/kg	U		MS	0.0398	2	ICPMS3	070103-3
7440-28-0	Thallium	0.0797	mg/kg	U		MS	0.0797	2	ICPMS3	070103-3
7440-61-1	Uranium	0.00996	mg/kg	U	*	MS	0.00996	2	ICPMS3	070103-3
7440-66-6	Zinc	6.8	mg/kg		*N	MS	0.398	2	ICPMS3	070103-3

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482022 **CLIENT ID:** FH-FD-12 Brown Trout-Fill

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:**

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0952	mg/kg	U		MS	0.0952	2	ICPMS3	070104-4
7440-38-2	Arsenic	0.286	mg/kg	U		MS	0.286	2	ICPMS3	070103-3
7440-41-7	Beryllium	0.019	mg/kg	U		MS	0.019	2	ICPMS3	070104-4
7440-42-8	Boron	0.762	mg/kg	U		MS	0.762	2	ICPMS3	070104-4
7440-43-9	Cadmium	0.035	mg/kg	B		MS	0.019	2	ICPMS3	070103-3
7440-47-3	Chromium	0.720	mg/kg			MS	0.19	2	ICPMS3	070103-3
7440-50-8	Copper	0.440	mg/kg		*	MS	0.0381	2	ICPMS3	070103-3
7439-92-1	Lead	0.0952	mg/kg	U		MS	0.0952	2	ICPMS3	070103-3
7439-93-2	Lithium	0.381	mg/kg	U		MS	0.381	2	ICPMS3	070104-4
7439-97-6	Mercury	80.8	ug/kg		*EN	AV	2.17	1	MER179	122806S1-2
7440-02-0	Nickel	0.240	mg/kg	B	*	MS	0.0952	2	ICPMS3	070103-3
7782-49-2	Selenium	0.476	mg/kg	U		MS	0.476	2	ICPMS3	070103-3
7440-22-4	Silver	0.0381	mg/kg	U		MS	0.0381	2	ICPMS3	070103-3
7440-28-0	Thallium	0.0762	mg/kg	U		MS	0.0762	2	ICPMS3	070103-3
7440-61-1	Uranium	0.00952	mg/kg	U	*	MS	0.00952	2	ICPMS3	070103-3
7440-66-6	Zinc	6.8	mg/kg		*N	MS	0.381	2	ICPMS3	070103-3

METALS
–1–
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482023 **CLIENT ID:** FH–FD–12 Yellow Perch–Co

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07–DEC–06 **LEVEL:** Low **%SOLIDS:** 29

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440–36–0	Antimony	0.0996	mg/kg	U		MS	0.0996	2	ICPMS6	070105–7
7440–38–2	Arsenic	0.299	mg/kg	U		MS	0.299	2	ICPMS6	070105–5
7440–41–7	Beryllium	0.0199	mg/kg	U		MS	0.0199	2	ICPMS6	070105–7
7440–42–8	Boron	0.797	mg/kg	U		MS	0.797	2	ICPMS6	070105–7
7440–43–9	Cadmium	0.032	mg/kg	B		MS	0.0199	2	ICPMS6	070105–5
7440–47–3	Chromium	0.520	mg/kg	B		MS	0.199	2	ICPMS6	070105–7
7440–50–8	Copper	0.30	mg/kg		*	MS	0.0398	2	ICPMS6	070105–7
7439–92–1	Lead	0.0996	mg/kg	U		MS	0.0996	2	ICPMS6	070105–5
7439–93–2	Lithium	0.398	mg/kg	U		MS	0.398	2	ICPMS6	070105–7
7439–97–6	Mercury	103	ug/kg		*EN	AV	2.38	1	MER179	010807S1–1
7440–02–0	Nickel	0.460	mg/kg		*	MS	0.0996	2	ICPMS6	070105–7
7782–49–2	Selenium	0.498	mg/kg	U		MS	0.498	2	ICPMS6	070105–5
7440–22–4	Silver	0.0398	mg/kg	U		MS	0.0398	2	ICPMS6	070105–5
7440–28–0	Thallium	0.0797	mg/kg	U		MS	0.0797	2	ICPMS6	070105–5
7440–61–1	Uranium	0.00996	mg/kg	U	*	MS	0.00996	2	ICPMS6	070105–5
7440–66–6	Zinc	17.2	mg/kg		*N	MS	0.381	2	ICPMS6	070109–8

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482024 **CLIENT ID:** FH-FD-12 Brown Trout-Cor

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07-DEC-06 **LEVEL:** Low **%SOLIDS:** 25

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440-36-0	Antimony	0.0978	mg/kg	U		MS	0.0978	2	ICPMS6	070105-7
7440-38-2	Arsenic	0.294	mg/kg	U		MS	0.294	2	ICPMS6	070105-5
7440-41-7	Beryllium	0.0196	mg/kg	U		MS	0.0196	2	ICPMS6	070105-7
7440-42-8	Boron	0.783	mg/kg	U		MS	0.783	2	ICPMS6	070105-7
7440-43-9	Cadmium	0.050	mg/kg	B		MS	0.0196	2	ICPMS6	070105-5
7440-47-3	Chromium	0.690	mg/kg			MS	0.196	2	ICPMS6	070105-7
7440-50-8	Copper	2.3	mg/kg		*	MS	0.0391	2	ICPMS6	070105-7
7439-92-1	Lead	0.0978	mg/kg	U		MS	0.0978	2	ICPMS6	070105-5
7439-93-2	Lithium	0.391	mg/kg	U		MS	0.391	2	ICPMS6	070105-7
7439-97-6	Mercury	100	ug/kg		*EN	AV	2.19	1	MER179	010807S1-1
7440-02-0	Nickel	0.780	mg/kg		*	MS	0.0978	2	ICPMS6	070105-7
7782-49-2	Selenium	0.489	mg/kg	U		MS	0.489	2	ICPMS6	070105-5
7440-22-4	Silver	0.066	mg/kg	B		MS	0.0391	2	ICPMS6	070105-5
7440-28-0	Thallium	0.0783	mg/kg	U		MS	0.0783	2	ICPMS6	070105-5
7440-61-1	Uranium	0.00978	mg/kg	U	*	MS	0.00978	2	ICPMS6	070105-5
7440-66-6	Zinc	48.9	mg/kg		*N	MS	0.381	2	ICPMS6	070109-8

METALS
–1–
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482025 **CLIENT ID:** FH–21/22 Brown Trout–Fillet

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07–DEC–06 **LEVEL:** Low **%SOLIDS:** 25

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7440–36–0	Antimony	0.140	mg/kg	B		MS	0.0957	2	ICPMS3	070104–4
7440–38–2	Arsenic	0.287	mg/kg	U		MS	0.287	2	ICPMS3	070103–3
7440–41–7	Beryllium	0.0191	mg/kg	U		MS	0.0191	2	ICPMS3	070104–4
7440–42–8	Boron	0.766	mg/kg	U		MS	0.766	2	ICPMS3	070104–4
7440–43–9	Cadmium	0.0191	mg/kg	U		MS	0.0191	2	ICPMS3	070103–3
7440–47–3	Chromium	0.290	mg/kg	B		MS	0.191	2	ICPMS3	070103–3
7440–50–8	Copper	0.580	mg/kg		*	MS	0.0383	2	ICPMS3	070103–3
7439–92–1	Lead	0.0957	mg/kg	U		MS	0.0957	2	ICPMS3	070103–3
7439–93–2	Lithium	0.383	mg/kg	U		MS	0.383	2	ICPMS3	070104–4
7439–97–6	Mercury	117	ug/kg		*EN	AV	2.27	1	MER179	122806S1–2
7440–02–0	Nickel	0.0957	mg/kg	U	*	MS	0.0957	2	ICPMS3	070103–3
7782–49–2	Selenium	0.479	mg/kg	U		MS	0.479	2	ICPMS3	070103–3
7440–22–4	Silver	0.0383	mg/kg	U		MS	0.0383	2	ICPMS3	070103–3
7440–28–0	Thallium	0.0766	mg/kg	U		MS	0.0766	2	ICPMS3	070103–3
7440–61–1	Uranium	0.00957	mg/kg	U	*	MS	0.00957	2	ICPMS3	070103–3
7440–66–6	Zinc	7	mg/kg		*N	MS	0.383	2	ICPMS3	070103–3

METALS
–1–
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 177482 **METHOD TYPE:** SW846

SAMPLE ID: 177482026 **CLIENT ID:** FH–21/22 Brown Trout–Offal

CONTRACT: ATMC00106

MATRIX: T **DATE RECEIVED** 07–DEC–06 **LEVEL:** Low **%SOLIDS:** 31

CAS No	Analyte	Result	Units	C	Qual	M^	MDL	DF	Instrument ID	Analytical Run
7440–36–0	Antimony	0.0969	mg/kg	U		MS	0.0969	2	ICPMS3	070104–4
7440–38–2	Arsenic	0.291	mg/kg	U		MS	0.291	2	ICPMS3	070103–3
7440–41–7	Beryllium	0.0194	mg/kg	U		MS	0.0194	2	ICPMS3	070104–4
7440–42–8	Boron	0.775	mg/kg	U		MS	0.775	2	ICPMS3	070104–4
7440–43–9	Cadmium	0.075	mg/kg	B		MS	0.0194	2	ICPMS3	070103–3
7440–47–3	Chromium	0.310	mg/kg	B		MS	0.194	2	ICPMS3	070103–3
7440–50–8	Copper	2	mg/kg		*	MS	0.0388	2	ICPMS3	070103–3
7439–92–1	Lead	0.0969	mg/kg	U		MS	0.0969	2	ICPMS3	070103–3
7439–93–2	Lithium	0.388	mg/kg	U		MS	0.388	2	ICPMS3	070104–4
7439–97–6	Mercury	349	ug/kg		*EN	AV	2.28	1	MER179	122806S1–2
7440–02–0	Nickel	0.0969	mg/kg	U	*	MS	0.0969	2	ICPMS3	070103–3
7782–49–2	Selenium	0.484	mg/kg	U		MS	0.484	2	ICPMS3	070103–3
7440–22–4	Silver	0.0388	mg/kg	U		MS	0.0388	2	ICPMS3	070103–3
7440–28–0	Thallium	0.0775	mg/kg	U		MS	0.0775	2	ICPMS3	070103–3
7440–61–1	Uranium	0.070	mg/kg		*	MS	0.00969	2	ICPMS3	070103–3
7440–66–6	Zinc	27.5	mg/kg		*N	MS	0.388	2	ICPMS3	070103–3

Report Date:
22-Sep-06 16:50

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROW, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51047-01	MW-107A	Ground Water	12-Sep-06 12:46	14-Sep-06 12:10
SA51047-02	MW-107B	Ground Water	13-Sep-06 11:46	14-Sep-06 12:10
SA51047-03	CFW-5	Ground Water	13-Sep-06 13:50	14-Sep-06 12:10
SA51047-04	CFW-6	Ground Water	13-Sep-06 16:15	14-Sep-06 12:10
SA51047-05	FD001	Ground Water	13-Sep-06 16:15	14-Sep-06 12:10
SA51047-06	TB-401	Ground Water	14-Sep-06 07:30	14-Sep-06 12:10
SA51047-07	FD006	Ground Water	12-Sep-06 12:46	14-Sep-06 12:10
SA51047-08	FD007	Ground Water	13-Sep-06 11:46	14-Sep-06 12:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 36 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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CASE NARRATIVE:

The data set for work order SA51047 complies with internal QC criteria for the methods performed.

The samples were received @ 6.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107A SA51047-01	[none]	Ground Water	12-Sep-06 12:46	14-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	21-Sep-06	21-Sep-06	6091381	TGP
7440-38-2	Arsenic	0.0112		mg/l	0.0040	0.0022	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-42-8	Boron	0.0444		mg/l	0.0100	0.0032	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0222		mg/l	0.0050	0.0010	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-02-0	Nickel	0.0124		mg/l	0.0050	0.0018	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0021	J	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00004	J	mg/l	0.0020	0.000005	1	SW846 6020	"	20-Sep-06	6091117	LR
7440-66-6	Zinc	0.0452		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Sep-06	6091381	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00015	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	19-Sep-06	21-Sep-06	6091120	RE

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107B SA51047-02	[none]	Ground Water	13-Sep-06 11:46	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	PCB 1016	BRL	U	µg/l	0.202	0.0657	1	SW846 8082	15-Sep-06	15-Sep-06	6090937	SM
11104-28-2	PCB 1221	BRL	U	µg/l	0.202	0.0636	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/l	0.202	0.154	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/l	0.202	0.132	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/l	0.202	0.156	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/l	0.202	0.0469	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/l	0.202	0.0542	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL	U	µg/l	0.202	0.0242	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL	U	µg/l	0.202	0.117	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*44.5*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*64.9*		*30-150 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-5	[none]	Ground Water	13-Sep-06 13:50	14-Sep-06
SA51047-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-5 SA51047-03	[none]	Ground Water	13-Sep-06 13:50	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.4*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*99.6*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99.6*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	21-Sep-06	21-Sep-06	6091381	TGP
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-39-3	Barium	0.0638		mg/l	0.0050	0.0012	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-43-9	Cadmium	0.0012	J	mg/l	0.0025	0.0002	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	R-01, U	mg/l	0.0250	0.0052	5	"	21-Sep-06	21-Sep-06	6091381	TGP
7439-89-6	Iron	75.1		mg/l	0.0050	0.0024	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7439-96-5	Manganese	4.62		mg/l	0.0010	0.0008	1	"	"	"	"	"
7440-02-0	Nickel	0.0129		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	0.0036	J	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	0.0070	J	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00003	J	mg/l	0.0020	0.000005	1	SW846 6020	"	20-Sep-06	6091117	LR
7440-66-6	Zinc	BRL	R-01, U	mg/l	0.0250	0.0195	5	SW846 6010B	"	21-Sep-06	6091381	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	19-Sep-06	21-Sep-06	6091120	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-5 SA51047-03	[none]	Ground Water	13-Sep-06 13:50	14-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters												
	Total Alkalinity	130		mg/L CaCO3	1.00	0.760	1	SM2320B	21-Sep-06	21-Sep-06	6091405	ES
16887-00-6	Chloride	15.5		mg/l	2.00	0.100	2	EPA 300.0	19-Sep-06	20-Sep-06	6091337	AI
	Chemical Oxygen Demand	36.9		mg/l	5.00	4.10	1	410.4/HACH8000	19-Sep-06	19-Sep-06	6091226	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	19-Sep-06	19-Sep-06	6091245	ES
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	14-Sep-06 08:45	15-Sep-06	6090980	AI
	Total Dissolved Solids	170		mg/l	5.00	5.00	1	SM2540 C	19-Sep-06	21-Sep-06	6091287	RLT
14808-79-8	Sulfate as SO4	0.440	J	mg/l	1.00	0.0600	1	EPA 300.0	14-Sep-06	15-Sep-06	6090980	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-6	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06
SA51047-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-6	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06
SA51047-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.8*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	21-Sep-06	21-Sep-06	6091381	TGP
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-39-3	Barium	0.0544		mg/l	0.0050	0.0012	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-43-9	Cadmium	0.0010	J	mg/l	0.0025	0.0002	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-47-3	Chromium	0.0024	J	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0250	0.0052	5	"	21-Sep-06	21-Sep-06	6091381	TGP
7439-89-6	Iron	64.6		mg/l	0.0050	0.0024	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7439-96-5	Manganese	6.69		mg/l	0.0010	0.0008	1	"	"	"	"	"
7440-02-0	Nickel	0.0098		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	0.0031	J	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	0.0091	J	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00004	J	mg/l	0.0020	0.000005	1	SW846 6020	"	20-Sep-06	6091117	LR
7440-66-6	Zinc	0.0134		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Sep-06	6091381	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00018	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	19-Sep-06	21-Sep-06	6091120	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-6 SA51047-04	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
General Chemistry Parameters												
	Total Alkalinity	108		mg/L CaCO3	1.00	0.760	1	SM2320B	21-Sep-06	21-Sep-06	6091405	ES
16887-00-6	Chloride	14.7		mg/l	1.00	0.0500	1	EPA 300.0	14-Sep-06	15-Sep-06	6090980	AI
	Chemical Oxygen Demand	35.1		mg/l	5.00	4.10	1	410.4/HACH8000	19-Sep-06	19-Sep-06	6091226	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	19-Sep-06	19-Sep-06	6091245	ES
14797-55-8	Nitrate as N	0.0400	J	mg/l	0.100	0.0300	1	EPA 300.0	14-Sep-06 08:45	15-Sep-06	6090980	AI
	Total Dissolved Solids	147		mg/l	5.00	5.00	1	SM2540 C	19-Sep-06	21-Sep-06	6091287	RLT
14808-79-8	Sulfate as SO4	0.260	J	mg/l	1.00	0.0600	1	EPA 300.0	14-Sep-06	15-Sep-06	6090980	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA51047-05	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA51047-05	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.4*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.6*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98.8*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	21-Sep-06	21-Sep-06	6091381	TGP
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-39-3	Barium	0.0592		mg/l	0.0050	0.0012	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-43-9	Cadmium	0.0012	J	mg/l	0.0025	0.0002	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-47-3	Chromium	0.0027	J	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0250	0.0052	5	"	21-Sep-06	21-Sep-06	6091381	TGP
7439-89-6	Iron	68.1		mg/l	0.0050	0.0024	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7439-96-5	Manganese	7.20		mg/l	0.0010	0.0008	1	"	"	"	"	"
7440-02-0	Nickel	0.0100		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	0.0030	J	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	0.0101	J	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00003	J	mg/l	0.0020	0.000005	1	SW846 6020	"	20-Sep-06	6091117	LR
7440-66-6	Zinc	BRL	U	mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Sep-06	6091381	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	19-Sep-06	21-Sep-06	6091120	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA51047-05	[none]	Ground Water	13-Sep-06 16:15	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
General Chemistry Parameters												
	Total Alkalinity	131		mg/L CaCO3	1.00	0.760	1	SM2320B	21-Sep-06	21-Sep-06	6091405	ES
16887-00-6	Chloride	16.1		mg/l	1.00	0.0500	1	EPA 300.0	14-Sep-06	15-Sep-06	6090980	AI
	Chemical Oxygen Demand	36.4		mg/l	5.00	4.10	1	410.4/HACH8000	19-Sep-06	19-Sep-06	6091226	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	19-Sep-06	19-Sep-06	6091245	ES
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	14-Sep-06 08:45	15-Sep-06	6090980	AI
	Total Dissolved Solids	172		mg/l	5.00	5.00	1	SM2540 C	19-Sep-06	21-Sep-06	6091287	RLT
14808-79-8	Sulfate as SO4	0.210	J	mg/l	1.00	0.0600	1	EPA 300.0	14-Sep-06	15-Sep-06	6090980	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-401 SA51047-06	[none]	Ground Water	14-Sep-06 07:30	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-401 SA51047-06	[none]	Ground Water	14-Sep-06 07:30	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	18-Sep-06	18-Sep-06	6091072	RLJ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.0*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99.0*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD006 SA51047-07	[none]	Ground Water	12-Sep-06 12:46	14-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	21-Sep-06	21-Sep-06	6091381	TGP
7440-38-2	Arsenic	0.0105		mg/l	0.0040	0.0022	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-42-8	Boron	0.0339		mg/l	0.0100	0.0032	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0296		mg/l	0.0050	0.0010	1	"	21-Sep-06	21-Sep-06	6091381	TGP
7440-02-0	Nickel	0.0126		mg/l	0.0050	0.0018	1	"	19-Sep-06	20-Sep-06	6091113	JLC
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0026	J	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00003	J	mg/l	0.0020	0.000005	1	SW846 6020	"	20-Sep-06	6091117	LR
7440-66-6	Zinc	0.0636		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Sep-06	6091381	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00006	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	19-Sep-06	21-Sep-06	6091120	RE

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD007 SA51047-08	[none]	Ground Water	13-Sep-06 11:46	14-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	PCB 1016	BRL	U	µg/l	0.200	0.0650	1	SW846 8082	15-Sep-06	15-Sep-06	6090937	SM
11104-28-2	PCB 1221	BRL	U	µg/l	0.200	0.0630	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/l	0.200	0.152	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/l	0.200	0.131	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/l	0.200	0.155	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/l	0.200	0.0464	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/l	0.200	0.0537	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL	U	µg/l	0.200	0.0240	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL	U	µg/l	0.200	0.116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50.5*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*77.0*		*30-150 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091072 - SW846 5030 Water MS										
Blank (6091072-BLK1)										
Prepared & Analyzed: 18-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091072 - SW846 5030 Water MS										
Blank (6091072-BLK1)										
Prepared & Analyzed: 18-Sep-06										
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*46.7*		µg/l		*50.0*		*93.4*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		
LCS (6091072-BS1)										
Prepared & Analyzed: 18-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.4		µg/l		20.0		112	70-130		
Acetone	19.8		µg/l		20.0		99.0	70-130		
Acrylonitrile	22.0		µg/l		20.0		110	70-130		
Benzene	21.2		µg/l		20.0		106	70-130		
Bromobenzene	19.7		µg/l		20.0		98.5	70-130		
Bromochloromethane	20.4		µg/l		20.0		102	70-130		
Bromodichloromethane	21.3		µg/l		20.0		106	70-130		
Bromoform	18.2		µg/l		20.0		91.0	70-130		
Bromomethane	17.7		µg/l		20.0		88.5	70-130		
2-Butanone (MEK)	18.8		µg/l		20.0		94.0	70-130		
n-Butylbenzene	20.3		µg/l		20.0		102	70-130		
sec-Butylbenzene	19.2		µg/l		20.0		96.0	70-130		
tert-Butylbenzene	19.5		µg/l		20.0		97.5	70-130		
Carbon disulfide	22.0		µg/l		20.0		110	70-130		
Carbon tetrachloride	20.7		µg/l		20.0		104	70-130		
Chlorobenzene	20.4		µg/l		20.0		102	70-130		
Chloroethane	24.0		µg/l		20.0		120	70-130		
Chloroform	21.6		µg/l		20.0		108	70-130		
Chloromethane	23.2		µg/l		20.0		116	70-130		
2-Chlorotoluene	20.7		µg/l		20.0		104	70-130		
4-Chlorotoluene	20.6		µg/l		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	18.9		µg/l		20.0		94.5	70-130		
Dibromochloromethane	20.8		µg/l		20.0		104	70-130		
1,2-Dibromoethane (EDB)	19.9		µg/l		20.0		99.5	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091072 - SW846 5030 Water MS										
LCS (6091072-BS1)										
Prepared & Analyzed: 18-Sep-06										
Dibromomethane	19.7		µg/l		20.0		98.5	70-130		
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,3-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
1,4-Dichlorobenzene	20.6		µg/l		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	21.4		µg/l		20.0		107	70-130		
1,1-Dichloroethane	21.3		µg/l		20.0		106	70-130		
1,2-Dichloroethane	20.0		µg/l		20.0		100	70-130		
1,1-Dichloroethene	23.0		µg/l		20.0		115	70-130		
cis-1,2-Dichloroethene	20.3		µg/l		20.0		102	70-130		
trans-1,2-Dichloroethene	21.0		µg/l		20.0		105	70-130		
1,2-Dichloropropane	20.8		µg/l		20.0		104	70-130		
1,3-Dichloropropane	19.9		µg/l		20.0		99.5	70-130		
2,2-Dichloropropane	19.0		µg/l		20.0		95.0	70-130		
1,1-Dichloropropene	20.7		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	20.7		µg/l		20.0		104	70-130		
trans-1,3-Dichloropropene	19.6		µg/l		20.0		98.0	70-130		
Ethylbenzene	20.9		µg/l		20.0		104	70-130		
Hexachlorobutadiene	18.4		µg/l		20.0		92.0	70-130		
2-Hexanone (MBK)	18.5		µg/l		20.0		92.5	70-130		
Isopropylbenzene	19.2		µg/l		20.0		96.0	70-130		
4-Isopropyltoluene	20.7		µg/l		20.0		104	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
4-Methyl-2-pentanone (MIBK)	18.2		µg/l		20.0		91.0	70-130		
Methylene chloride	22.8		µg/l		20.0		114	70-130		
Naphthalene	18.7		µg/l		20.0		93.5	70-130		
n-Propylbenzene	19.8		µg/l		20.0		99.0	70-130		
Styrene	20.2		µg/l		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	20.7		µg/l		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	19.6		µg/l		20.0		98.0	70-130		
Tetrachloroethene	18.4		µg/l		20.0		92.0	70-130		
Toluene	20.5		µg/l		20.0		102	70-130		
1,2,3-Trichlorobenzene	18.4		µg/l		20.0		92.0	70-130		
1,2,4-Trichlorobenzene	18.8		µg/l		20.0		94.0	70-130		
1,1,1-Trichloroethane	20.3		µg/l		20.0		102	70-130		
1,1,2-Trichloroethane	21.3		µg/l		20.0		106	70-130		
Trichloroethene	20.3		µg/l		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	21.8		µg/l		20.0		109	70-130		
1,2,3-Trichloropropane	19.0		µg/l		20.0		95.0	70-130		
1,2,4-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130		
1,3,5-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130		
Vinyl chloride	24.5		µg/l		20.0		122	70-130		
m,p-Xylene	41.5		µg/l		40.0		104	70-130		
o-Xylene	20.6		µg/l		20.0		103	70-130		
Tetrahydrofuran	17.2		µg/l		20.0		86.0	70-130		
Ethyl ether	22.0		µg/l		20.0		110	70-130		
Tert-amyl methyl ether	19.8		µg/l		20.0		99.0	70-130		
Ethyl tert-butyl ether	19.6		µg/l		20.0		98.0	70-130		
Di-isopropyl ether	20.3		µg/l		20.0		102	70-130		
Tert-Butanol / butyl alcohol	179		µg/l		200		89.5	70-130		
1,4-Dioxane	146		µg/l		200		73.0	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091072 - SW846 5030 Water MS										
LCS (6091072-BS1)										
Prepared & Analyzed: 18-Sep-06										
Surrogate: Dibromofluoromethane	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
LCS Dup (6091072-BSD1)										
Prepared & Analyzed: 18-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.9		µg/l		20.0		104	70-130	7.41	25
Acetone	19.6		µg/l		20.0		98.0	70-130	1.02	50
Acrylonitrile	21.7		µg/l		20.0		108	70-130	1.83	25
Benzene	19.9		µg/l		20.0		99.5	70-130	6.33	25
Bromobenzene	18.9		µg/l		20.0		94.5	70-130	4.15	25
Bromochloromethane	18.9		µg/l		20.0		94.5	70-130	7.63	25
Bromodichloromethane	20.3		µg/l		20.0		102	70-130	3.85	25
Bromoform	17.9		µg/l		20.0		89.5	70-130	1.66	25
Bromomethane	17.6		µg/l		20.0		88.0	70-130	0.567	50
2-Butanone (MEK)	17.8		µg/l		20.0		89.0	70-130	5.46	50
n-Butylbenzene	18.4		µg/l		20.0		92.0	70-130	10.3	25
sec-Butylbenzene	18.2		µg/l		20.0		91.0	70-130	5.35	25
tert-Butylbenzene	18.5		µg/l		20.0		92.5	70-130	5.26	25
Carbon disulfide	20.5		µg/l		20.0		102	70-130	7.55	25
Carbon tetrachloride	18.8		µg/l		20.0		94.0	70-130	10.1	25
Chlorobenzene	19.4		µg/l		20.0		97.0	70-130	5.03	25
Chloroethane	22.5		µg/l		20.0		112	70-130	6.90	50
Chloroform	20.3		µg/l		20.0		102	70-130	5.71	25
Chloromethane	21.8		µg/l		20.0		109	70-130	6.22	25
2-Chlorotoluene	19.3		µg/l		20.0		96.5	70-130	7.48	25
4-Chlorotoluene	19.6		µg/l		20.0		98.0	70-130	4.98	25
1,2-Dibromo-3-chloropropane	19.3		µg/l		20.0		96.5	70-130	2.09	25
Dibromochloromethane	20.0		µg/l		20.0		100	70-130	3.92	50
1,2-Dibromoethane (EDB)	19.0		µg/l		20.0		95.0	70-130	4.63	25
Dibromomethane	19.0		µg/l		20.0		95.0	70-130	3.62	25
1,2-Dichlorobenzene	19.9		µg/l		20.0		99.5	70-130	4.42	25
1,3-Dichlorobenzene	18.8		µg/l		20.0		94.0	70-130	4.68	25
1,4-Dichlorobenzene	19.2		µg/l		20.0		96.0	70-130	7.04	25
Dichlorodifluoromethane (Freon12)	19.9		µg/l		20.0		99.5	70-130	7.26	50
1,1-Dichloroethane	20.0		µg/l		20.0		100	70-130	5.83	25
1,2-Dichloroethane	19.3		µg/l		20.0		96.5	70-130	3.56	25
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130	5.36	25
cis-1,2-Dichloroethene	19.6		µg/l		20.0		98.0	70-130	4.00	25
trans-1,2-Dichloroethene	19.9		µg/l		20.0		99.5	70-130	5.38	25
1,2-Dichloropropane	20.2		µg/l		20.0		101	70-130	2.93	25
1,3-Dichloropropane	19.2		µg/l		20.0		96.0	70-130	3.58	25
2,2-Dichloropropane	17.7		µg/l		20.0		88.5	70-130	7.08	25
1,1-Dichloropropene	19.3		µg/l		20.0		96.5	70-130	7.48	25
cis-1,3-Dichloropropene	19.5		µg/l		20.0		97.5	70-130	6.45	25
trans-1,3-Dichloropropene	19.0		µg/l		20.0		95.0	70-130	3.11	25
Ethylbenzene	19.8		µg/l		20.0		99.0	70-130	4.93	25
Hexachlorobutadiene	16.9		µg/l		20.0		84.5	70-130	8.50	50
2-Hexanone (MBK)	17.8		µg/l		20.0		89.0	70-130	3.86	25
Isopropylbenzene	18.1		µg/l		20.0		90.5	70-130	5.90	25
4-Isopropyltoluene	19.1		µg/l		20.0		95.5	70-130	8.52	25
Methyl tert-butyl ether	18.8		µg/l		20.0		94.0	70-130	1.06	25
4-Methyl-2-pentanone (MIBK)	17.7		µg/l		20.0		88.5	70-130	2.79	50
Methylene chloride	22.2		µg/l		20.0		111	70-130	2.67	25
Naphthalene	17.6		µg/l		20.0		88.0	70-130	6.06	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091072 - SW846 5030 Water MS										
LCS Dup (6091072-BSD1)										
Prepared & Analyzed: 18-Sep-06										
n-Propylbenzene	19.0		µg/l		20.0		95.0	70-130	4.12	25
Styrene	19.5		µg/l		20.0		97.5	70-130	3.53	25
1,1,1,2-Tetrachloroethane	19.3		µg/l		20.0		96.5	70-130	7.48	25
1,1,2,2-Tetrachloroethane	19.2		µg/l		20.0		96.0	70-130	2.06	25
Tetrachloroethene	17.2		µg/l		20.0		86.0	70-130	6.74	25
Toluene	19.2		µg/l		20.0		96.0	70-130	6.06	25
1,2,3-Trichlorobenzene	17.1		µg/l		20.0		85.5	70-130	7.32	25
1,2,4-Trichlorobenzene	17.4		µg/l		20.0		87.0	70-130	7.73	25
1,1,1-Trichloroethane	19.2		µg/l		20.0		96.0	70-130	6.06	25
1,1,2-Trichloroethane	20.3		µg/l		20.0		102	70-130	3.85	25
Trichloroethene	18.9		µg/l		20.0		94.5	70-130	7.63	25
Trichlorofluoromethane (Freon 11)	20.9		µg/l		20.0		104	70-130	4.69	50
1,2,3-Trichloropropane	19.1		µg/l		20.0		95.5	70-130	0.525	25
1,2,4-Trimethylbenzene	18.8		µg/l		20.0		94.0	70-130	5.18	25
1,3,5-Trimethylbenzene	18.7		µg/l		20.0		93.5	70-130	5.71	25
Vinyl chloride	22.6		µg/l		20.0		113	70-130	7.66	25
m,p-Xylene	39.5		µg/l		40.0		98.8	70-130	5.13	25
o-Xylene	19.9		µg/l		20.0		99.5	70-130	3.46	25
Tetrahydrofuran	17.3		µg/l		20.0		86.5	70-130	0.580	25
Ethyl ether	21.1		µg/l		20.0		106	70-130	3.70	50
Tert-amyl methyl ether	17.7		µg/l		20.0		88.5	70-130	11.2	25
Ethyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130	3.11	25
Di-isopropyl ether	19.7		µg/l		20.0		98.5	70-130	3.49	25
Tert-Butanol / butyl alcohol	182		µg/l		200		91.0	70-130	1.66	25
1,4-Dioxane	158		µg/l		200		79.0	70-130	7.89	25
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/l		*50.0*		*96.2*	*70-130*		
Surrogate: Dibromofluoromethane	*48.2*		µg/l		*50.0*		*96.4*	*70-130*		
Matrix Spike (6091072-MS1)	**Source: SA51047-04**									
Prepared & Analyzed: 18-Sep-06										
Benzene	15.1		µg/l		20.0	BRL	75.5	70-130		
Chlorobenzene	18.6		µg/l		20.0	BRL	93.0	70-130		
1,1-Dichloroethene	13.7	QM-07	µg/l		20.0	BRL	68.5	70-130		
Toluene	16.7		µg/l		20.0	BRL	83.5	70-130		
Trichloroethene	16.2		µg/l		20.0	BRL	81.0	70-130		
Surrogate: 4-Bromofluorobenzene	*46.7*		µg/l		*50.0*		*93.4*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/l		*50.0*		*97.8*	*70-130*		
Matrix Spike Dup (6091072-MSD1)	**Source: SA51047-04**									
Prepared & Analyzed: 18-Sep-06										
Benzene	15.2		µg/l		20.0	BRL	76.0	70-130	0.660	30
Chlorobenzene	18.6		µg/l		20.0	BRL	93.0	70-130	0.00	30
1,1-Dichloroethene	13.3	QM-07	µg/l		20.0	BRL	66.5	70-130	2.96	30
Toluene	16.9		µg/l		20.0	BRL	84.5	70-130	1.19	30
Trichloroethene	16.1		µg/l		20.0	BRL	80.5	70-130	0.619	30
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/l		*50.0*		*93.8*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.1*		µg/l		*50.0*		*98.2*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6090937 - SW846 3510C										
Blank (6090937-BLK1)										
Prepared & Analyzed: 15-Sep-06										
PCB 1016	BRL	U	µg/l	0.200						
PCB 1221	BRL	U	µg/l	0.200						
PCB 1232	BRL	U	µg/l	0.200						
PCB 1242	BRL	U	µg/l	0.200						
PCB 1248	BRL	U	µg/l	0.200						
PCB 1254	BRL	U	µg/l	0.200						
PCB 1260	BRL	U	µg/l	0.200						
PCB 1262	BRL	U	µg/l	0.200						
PCB 1268	BRL	U	µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.126*		µg/l		*0.200*		*63.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.182*		µg/l		*0.200*		*91.0*	*30-150*		
LCS (6090937-BS1)										
Prepared & Analyzed: 15-Sep-06										
PCB 1016	2.37		µg/l	0.200	2.50		94.8	40-140		
PCB 1260	2.38		µg/l	0.200	2.50		95.2	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.132*		µg/l		*0.200*		*66.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.184*		µg/l		*0.200*		*92.0*	*30-150*		
LCS Dup (6090937-BSD1)										
Prepared & Analyzed: 15-Sep-06										
PCB 1016	2.33		µg/l	0.200	2.50		93.2	40-140	1.70	20
PCB 1260	2.36		µg/l	0.200	2.50		94.4	40-140	0.844	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.133*		µg/l		*0.200*		*66.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.161*		µg/l		*0.200*		*80.5*	*30-150*		
Matrix Spike (6090937-MS1) **Source: SA51047-02**										
Prepared & Analyzed: 15-Sep-06										
PCB 1016	2.13		µg/l	0.204	2.55	BRL	83.5	40-140		
PCB 1260	2.30		µg/l	0.204	2.55	BRL	90.2	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.119*		µg/l		*0.204*		*58.3*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/l		*0.204*		*88.2*	*30-150*		
Matrix Spike Dup (6090937-MSD1) **Source: SA51047-02**										
Prepared & Analyzed: 15-Sep-06										
PCB 1016	2.03		µg/l	0.200	2.50	BRL	81.2	40-140	2.79	50
PCB 1260	2.04		µg/l	0.200	2.50	BRL	81.6	40-140	10.0	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.111*		µg/l		*0.200*		*55.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.134*		µg/l		*0.200*		*67.0*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091113 - SW846 3005A										
Blank (6091113-BLK1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Antimony	BRL	U	mg/l	0.0150						
Nickel	BRL	U	mg/l	0.0050						
Manganese	BRL	U	mg/l	0.0010						
Iron	0.0064	QB-01	mg/l	0.0050						
Lead	BRL	U	mg/l	0.0075						
Selenium	BRL	U	mg/l	0.0150						
Arsenic	BRL	U	mg/l	0.0040						
Chromium	BRL	U	mg/l	0.0050						
Barium	BRL	U	mg/l	0.0050						
Cadmium	BRL	U	mg/l	0.0025						
LCS (6091113-BS1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Antimony	0.486		mg/l	0.0150	0.500		97.2	85-115		
Iron	0.514		mg/l	0.0050	0.500		103	85-115		
Manganese	0.488		mg/l	0.0010	0.500		97.6	85-115		
Selenium	0.498		mg/l	0.0150	0.500		99.6	85-115		
Nickel	0.522		mg/l	0.0050	0.500		104	85-115		
Lead	0.494		mg/l	0.0075	0.500		98.8	85-115		
Barium	0.512		mg/l	0.0050	0.500		102	85-115		
Chromium	0.497		mg/l	0.0050	0.500		99.4	85-115		
Arsenic	0.486		mg/l	0.0040	0.500		97.2	85-115		
Cadmium	0.520		mg/l	0.0025	0.500		104	85-115		
LCS Dup (6091113-BSD1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Selenium	0.496		mg/l	0.0150	0.500		99.2	85-115	0.402	20
Nickel	0.512		mg/l	0.0050	0.500		102	85-115	1.93	20
Iron	0.506		mg/l	0.0050	0.500		101	85-115	1.57	20
Manganese	0.486		mg/l	0.0010	0.500		97.2	85-115	0.411	20
Lead	0.491		mg/l	0.0075	0.500		98.2	85-115	0.609	20
Antimony	0.481		mg/l	0.0150	0.500		96.2	85-115	1.03	20
Arsenic	0.482		mg/l	0.0040	0.500		96.4	85-115	0.826	20
Barium	0.506		mg/l	0.0050	0.500		101	85-115	1.18	20
Cadmium	0.516		mg/l	0.0025	0.500		103	85-115	0.772	20
Chromium	0.489		mg/l	0.0050	0.500		97.8	85-115	1.62	20
Duplicate (6091113-DUP1)	**Source: SA51047-03**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Manganese	4.56		mg/l	0.0010		4.62			1.31	20
Selenium	0.0060	J	mg/l	0.0150		0.0070			15.4	20
Nickel	0.0123		mg/l	0.0050		0.0129			4.76	20
Antimony	BRL	U	mg/l	0.0150		BRL				20
Iron	74.4		mg/l	0.0050		75.1			0.936	20
Lead	0.0026	QR-01, J	mg/l	0.0075		0.0036			32.3	20
Chromium	BRL	U	mg/l	0.0050		BRL				20
Cadmium	0.0011	J	mg/l	0.0025		0.0012			8.70	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Barium	0.0631		mg/l	0.0050		0.0638			1.10	20
Matrix Spike (6091113-MS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Lead	0.458		mg/l	0.0075	0.500	BRL	91.6	75-125		
Iron	0.684		mg/l	0.0050	0.500	0.175	102	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091113 - SW846 3005A										
Matrix Spike (6091113-MS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Manganese	0.483		mg/l	0.0010	0.500	0.0026	96.1	75-125		
Selenium	0.496		mg/l	0.0150	0.500	BRL	99.2	75-125		
Antimony	0.479		mg/l	0.0150	0.500	0.0021	95.4	75-125		
Nickel	0.500		mg/l	0.0050	0.500	0.0124	97.5	75-125		
Arsenic	0.499		mg/l	0.0040	0.500	0.0112	97.6	75-125		
Barium	0.512		mg/l	0.0050	0.500	0.0072	101	75-125		
Cadmium	0.491		mg/l	0.0025	0.500	BRL	98.2	75-125		
Chromium	0.487		mg/l	0.0050	0.500	BRL	97.4	75-125		
Matrix Spike (6091113-MS2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Manganese	7.28		mg/l	0.0010	0.500	6.69	118	75-125		
Iron	68.0	QM-02	mg/l	0.0050	0.500	64.6	680	75-125		
Lead	0.477		mg/l	0.0075	0.500	0.0031	94.8	75-125		
Selenium	0.506		mg/l	0.0150	0.500	0.0091	99.4	75-125		
Nickel	0.512		mg/l	0.0050	0.500	0.0098	100	75-125		
Antimony	0.472		mg/l	0.0150	0.500	BRL	94.4	75-125		
Barium	0.561		mg/l	0.0050	0.500	0.0544	101	75-125		
Cadmium	0.508		mg/l	0.0025	0.500	0.0010	101	75-125		
Chromium	0.487		mg/l	0.0050	0.500	0.0024	96.9	75-125		
Arsenic	0.479		mg/l	0.0040	0.500	BRL	95.8	75-125		
Matrix Spike Dup (6091113-MSD1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Antimony	0.477		mg/l	0.0150	0.500	0.0021	95.0	75-125	0.418	20
Selenium	0.496		mg/l	0.0150	0.500	BRL	99.2	75-125	0.00	20
Lead	0.458		mg/l	0.0075	0.500	BRL	91.6	75-125	0.00	20
Iron	0.686		mg/l	0.0050	0.500	0.175	102	75-125	0.292	20
Manganese	0.482		mg/l	0.0010	0.500	0.0026	95.9	75-125	0.207	20
Nickel	0.500		mg/l	0.0050	0.500	0.0124	97.5	75-125	0.00	20
Arsenic	0.499		mg/l	0.0040	0.500	0.0112	97.6	75-125	0.00	20
Chromium	0.489		mg/l	0.0050	0.500	BRL	97.8	75-125	0.410	20
Cadmium	0.492		mg/l	0.0025	0.500	BRL	98.4	75-125	0.203	20
Barium	0.508		mg/l	0.0050	0.500	0.0072	100	75-125	0.784	20
Matrix Spike Dup (6091113-MSD2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Iron	68.2	QM-02	mg/l	0.0050	0.500	64.6	720	75-125	0.294	20
Selenium	0.504		mg/l	0.0150	0.500	0.0091	99.0	75-125	0.396	20
Antimony	0.472		mg/l	0.0150	0.500	BRL	94.4	75-125	0.00	20
Manganese	7.28		mg/l	0.0010	0.500	6.69	118	75-125	0.00	20
Nickel	0.513		mg/l	0.0050	0.500	0.0098	101	75-125	0.195	20
Lead	0.477		mg/l	0.0075	0.500	0.0031	94.8	75-125	0.00	20
Cadmium	0.506		mg/l	0.0025	0.500	0.0010	101	75-125	0.394	20
Chromium	0.490		mg/l	0.0050	0.500	0.0024	97.5	75-125	0.614	20
Barium	0.560		mg/l	0.0050	0.500	0.0544	101	75-125	0.178	20
Arsenic	0.480		mg/l	0.0040	0.500	BRL	96.0	75-125	0.209	20
Post Spike (6091113-PS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Manganese	0.483		mg/l	0.0010	0.500	0.0026	96.1	80-120		
Iron	0.678		mg/l	0.0050	0.500	0.175	101	80-120		
Lead	0.459		mg/l	0.0075	0.500	BRL	91.8	80-120		
Nickel	0.502		mg/l	0.0050	0.500	0.0124	97.9	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091113 - SW846 3005A										
Post Spike (6091113-PS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Antimony	0.477		mg/l	0.0150	0.500	0.0021	95.0	80-120		
Selenium	0.497		mg/l	0.0150	0.500	BRL	99.4	80-120		
Barium	0.505		mg/l	0.0050	0.500	0.0072	99.6	80-120		
Cadmium	0.493		mg/l	0.0025	0.500	BRL	98.6	80-120		
Arsenic	0.500		mg/l	0.0040	0.500	0.0112	97.8	80-120		
Chromium	0.488		mg/l	0.0050	0.500	BRL	97.6	80-120		
Batch 6091117 - SW846 3005A										
Blank (6091117-BLK1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.00001	J	mg/l	0.0020						
LCS (6091117-BS1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.516		mg/l	0.0200	0.500		103	85-115		
LCS Dup (6091117-BSD1)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.523		mg/l	0.0200	0.500		105	85-115	1.35	20
Duplicate (6091117-DUP1)	**Source: SA51047-03**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.00003	J	mg/l	0.0020		0.00003			0.00	20
Matrix Spike (6091117-MS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.571		mg/l	0.0200	0.500	0.00004	114	75-125		
Matrix Spike (6091117-MS2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.501		mg/l	0.0200	0.500	0.00004	100	75-125		
Matrix Spike Dup (6091117-MSD1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.486		mg/l	0.0200	0.500	0.00004	97.2	75-125	16.1	20
Matrix Spike Dup (6091117-MSD2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.516		mg/l	0.0200	0.500	0.00004	103	75-125	2.95	20
Post Spike (6091117-PS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Thallium	0.491		mg/l	0.0200	0.500	0.00004	98.2	75-125		
Batch 6091381 - SW846 3005A										
Blank (6091381-BLK1)										
Prepared & Analyzed: 21-Sep-06										
Zinc	BRL	U	mg/l	0.0050						
Boron	BRL	U	mg/l	0.0100						
Copper	BRL	U	mg/l	0.0050						
Beryllium	BRL	U	mg/l	0.0020						
Silver	BRL	U	mg/l	0.0050						
LCS (6091381-BS1)										
Prepared & Analyzed: 21-Sep-06										
Zinc	0.530		mg/l	0.0050	0.500		106	85-115		
Boron	0.427		mg/l	0.0100	0.500		85.4	85-115		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091381 - SW846 3005A										
LCS (6091381-BS1)										
Prepared & Analyzed: 21-Sep-06										
Silver	0.460		mg/l	0.0050	0.500		92.0	85-115		
Beryllium	0.495		mg/l	0.0020	0.500		99.0	85-115		
Copper	0.544		mg/l	0.0050	0.500		109	85-115		
LCS Dup (6091381-BSD1)										
Prepared & Analyzed: 21-Sep-06										
Zinc	0.520		mg/l	0.0050	0.500		104	85-115	1.90	20
Copper	0.519		mg/l	0.0050	0.500		104	85-115	4.70	20
Boron	0.420	QC-1	mg/l	0.0100	0.500		84.0	85-115	1.65	20
Silver	0.448		mg/l	0.0050	0.500		89.6	85-115	2.64	20
Beryllium	0.485		mg/l	0.0020	0.500		97.0	85-115	2.04	20
Duplicate (6091381-DUP1)	**Source: SA51047-03**									
Prepared & Analyzed: 21-Sep-06										
Zinc	BRL	U	mg/l	0.0250		BRL				20
Boron	BRL	U	mg/l	0.0100		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Copper	BRL	U	mg/l	0.0250		BRL				20
Silver	BRL	U	mg/l	0.0050		BRL				20
Matrix Spike (6091381-MS1)	**Source: SA51047-01**									
Prepared & Analyzed: 21-Sep-06										
Zinc	0.550		mg/l	0.0050	0.500	0.0452	101	75-125		
Silver	0.502		mg/l	0.0050	0.500	BRL	100	75-125		
Boron	0.470		mg/l	0.0100	0.500	0.0444	85.1	75-125		
Beryllium	0.500		mg/l	0.0020	0.500	BRL	100	75-125		
Copper	0.640		mg/l	0.0050	0.500	0.0222	124	75-125		
Matrix Spike (6091381-MS2)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Zinc	0.512		mg/l	0.0050	0.500	0.0134	99.7	75-125		
Silver	0.504		mg/l	0.0050	0.500	BRL	101	75-125		
Boron	0.368	QM-05	mg/l	0.0100	0.500	BRL	73.6	75-125		
Beryllium	0.498		mg/l	0.0020	0.500	BRL	99.6	75-125		
Copper	0.610		mg/l	0.0050	0.500	BRL	122	75-125		
Matrix Spike Dup (6091381-MSD1)	**Source: SA51047-01**									
Prepared & Analyzed: 21-Sep-06										
Zinc	0.531		mg/l	0.0050	0.500	0.0452	97.2	75-125	3.52	20
Boron	0.461		mg/l	0.0100	0.500	0.0444	83.3	75-125	1.93	20
Beryllium	0.481		mg/l	0.0020	0.500	BRL	96.2	75-125	3.87	20
Silver	0.473		mg/l	0.0050	0.500	BRL	94.6	75-125	5.95	20
Copper	0.594		mg/l	0.0050	0.500	0.0222	114	75-125	7.46	20
Matrix Spike Dup (6091381-MSD2)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Zinc	0.492		mg/l	0.0050	0.500	0.0134	95.7	75-125	3.98	20
Boron	0.361	QM-05	mg/l	0.0100	0.500	BRL	72.2	75-125	1.92	20
Copper	0.593		mg/l	0.0050	0.500	BRL	119	75-125	2.83	20
Silver	0.500		mg/l	0.0050	0.500	BRL	100	75-125	0.797	20
Beryllium	0.493		mg/l	0.0020	0.500	BRL	98.6	75-125	1.01	20
Post Spike (6091381-PS1)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Zinc	0.489		mg/l	0.0050	0.500	0.0134	95.1	80-120		
Beryllium	0.493		mg/l	0.0020	0.500	BRL	98.6	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091381 - SW846 3005A										
Post Spike (6091381-PS1)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Boron	0.360	QM-05	mg/l	0.0100	0.500	BRL	72.0	80-120		
Copper	0.580		mg/l	0.0050	0.500	BRL	116	80-120		
Silver	0.573		mg/l	0.0050	0.500	BRL	115	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091120 - EPA200/SW7000 Series										
Blank (6091120-BLK1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	BRL	U	mg/l	0.00020						
LCS (6091120-BS1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00241		mg/l	0.00020	0.00250		96.4	80-120		
Duplicate (6091120-DUP1)	**Source: SA51047-03**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00004	J	mg/l	0.00020		BRL				20
Matrix Spike (6091120-MS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00255		mg/l	0.00020	0.00250	0.00015	96.0	75-125		
Matrix Spike (6091120-MS2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00226		mg/l	0.00020	0.00250	0.00018	83.2	75-125		
Matrix Spike Dup (6091120-MSD1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00232		mg/l	0.00020	0.00250	0.00015	86.8	75-125	9.45	20
Matrix Spike Dup (6091120-MSD2)	**Source: SA51047-04**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00218		mg/l	0.00020	0.00250	0.00018	80.0	75-125	3.60	20
Post Spike (6091120-PS1)	**Source: SA51047-01**									
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Mercury	0.00216		mg/l	0.00020	0.00250	0.00015	80.4	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6090980 - General Preparation										
Blank (6090980-BLK1)										
Prepared & Analyzed: 14-Sep-06										
Chloride	0.270	J	mg/l	1.00						
Sulfate as SO4	BRL	U	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
Blank (6090980-BLK2)										
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Chloride	0.280	J	mg/l	1.00						
Sulfate as SO4	0.140	J	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
LCS (6090980-BS1)										
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	19.7		mg/l	1.00	20.0		98.5	90-110		
Chloride	19.9		mg/l	1.00	20.0		99.5	90-110		
Nitrate as N	2.03		mg/l	0.100	2.00		102	90-110		
LCS (6090980-BS2)										
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	3.92		mg/l	1.00	4.00		98.0	90-110		
Chloride	3.78		mg/l	1.00	4.00		94.5	90-110		
Nitrate as N	0.400		mg/l	0.100	0.400		100	90-110		
LCS (6090980-BS3)										
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Chloride	19.9		mg/l	1.00	20.0		99.5	90-110		
Sulfate as SO4	19.6		mg/l	1.00	20.0		98.0	90-110		
Nitrate as N	2.03		mg/l	0.100	2.00		102	90-110		
LCS (6090980-BS4)										
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	4.03		mg/l	1.00	4.00		101	90-110		
Chloride	3.85		mg/l	1.00	4.00		96.2	90-110		
Nitrate as N	0.390		mg/l	0.100	0.400		97.5	90-110		
Duplicate (6090980-DUP1)	**Source: SA50981-04**									
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	20.9		mg/l	1.00		20.9			0.00	20
Nitrate as N	1.62		mg/l	0.100		1.61			0.619	20
Duplicate (6090980-DUP2)	**Source: SA50995-01**									
Prepared & Analyzed: 14-Sep-06										
Nitrate as N	0.390		mg/l	0.100		0.400			2.53	20
Duplicate (6090980-DUP3)	**Source: SA51047-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	0.230	J	mg/l	1.00		0.260			12.2	20
Chloride	13.2		mg/l	1.00		14.7			10.8	20
Nitrate as N	0.0400	J	mg/l	0.100		0.0400			0.00	20
Duplicate (6090980-DUP4)	**Source: SA51032-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	42.9		mg/l	1.00		42.9			0.00	20
Matrix Spike (6090980-MS1)	**Source: SA50981-04**									
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	24.9		mg/l	1.00	4.00	20.9	100	90-110		
Nitrate as N	2.01		mg/l	0.100	0.400	1.61	100	90-110		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6090980 - General Preparation										
Matrix Spike (6090980-MS2)	**Source: SA50995-01**									
Prepared & Analyzed: 14-Sep-06										
Nitrate as N	0.820		mg/l	0.100	0.400	0.400	105	90-110		
Matrix Spike (6090980-MS3)	**Source: SA51047-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Chloride	15.6	QM-05	mg/l	1.00	4.00	14.7	22.5	90-110		
Sulfate as SO4	4.11		mg/l	1.00	4.00	0.260	96.2	90-110		
Nitrate as N	0.440		mg/l	0.100	0.400	0.0400	100	90-110		
Matrix Spike (6090980-MS4)	**Source: SA51032-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	46.6		mg/l	1.00	4.00	42.9	92.5	90-110		
Matrix Spike Dup (6090980-MSD1)	**Source: SA50981-04**									
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	24.8		mg/l	1.00	4.00	20.9	97.5	90-110	0.402	20
Nitrate as N	2.01		mg/l	0.100	0.400	1.61	100	90-110	0.00	20
Matrix Spike Dup (6090980-MSD2)	**Source: SA50995-01**									
Prepared & Analyzed: 14-Sep-06										
Nitrate as N	0.850	QM-05	mg/l	0.100	0.400	0.400	112	90-110	3.59	20
Matrix Spike Dup (6090980-MSD3)	**Source: SA51047-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	4.09		mg/l	1.00	4.00	0.260	95.8	90-110	0.488	20
Chloride	15.3	QM-05	mg/l	1.00	4.00	14.7	15.0	90-110	1.94	20
Nitrate as N	0.410		mg/l	0.100	0.400	0.0400	92.5	90-110	7.06	20
Matrix Spike Dup (6090980-MSD4)	**Source: SA51032-04**									
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	46.9		mg/l	1.00	4.00	42.9	100	90-110	0.642	20
Reference (6090980-SRM1)										
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	23.6		mg/l	1.00	25.0		94.4	90-110		
Chloride	24.3		mg/l	1.00	25.0		97.2	90-110		
Nitrate as N	2.43		mg/l	0.100	2.50		97.2	90-110		
Reference (6090980-SRM2)										
Prepared & Analyzed: 14-Sep-06										
Sulfate as SO4	4.76		mg/l	1.00	5.00		95.2	90-110		
Chloride	4.64		mg/l	1.00	5.00		92.8	90-110		
Nitrate as N	0.480		mg/l	0.100	0.500		96.0	90-110		
Reference (6090980-SRM3)										
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Sulfate as SO4	23.6		mg/l	1.00	25.0		94.4	90-110		
Chloride	24.4		mg/l	1.00	25.0		97.6	90-110		
Nitrate as N	2.43		mg/l	0.100	2.50		97.2	90-110		
Reference (6090980-SRM4)										
Prepared: 14-Sep-06 Analyzed: 15-Sep-06										
Chloride	4.63		mg/l	1.00	5.00		92.6	90-110		
Sulfate as SO4	4.84		mg/l	1.00	5.00		96.8	90-110		
Nitrate as N	0.490		mg/l	0.100	0.500		98.0	90-110		
Batch 6091226 - General Preparation										
Blank (6091226-BLK1)										
Prepared & Analyzed: 19-Sep-06										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091226 - General Preparation										
Blank (6091226-BLK1)										
Prepared & Analyzed: 19-Sep-06										
Chemical Oxygen Demand	BRL	U	mg/l	5.00						
LCS (6091226-BS1)										
Prepared & Analyzed: 19-Sep-06										
Chemical Oxygen Demand	53.3		mg/l	5.00	50.0		107	90-110		
Duplicate (6091226-DUP1)	**Source: SA51088-02**									
Prepared & Analyzed: 19-Sep-06										
Chemical Oxygen Demand	122		mg/l	5.00		139			13.0	20
Matrix Spike (6091226-MS1)	**Source: SA51088-02**									
Prepared & Analyzed: 19-Sep-06										
Chemical Oxygen Demand	183		mg/l	5.00	50.0	139	88.0	80-120		
Reference (6091226-SRM1)										
Prepared & Analyzed: 19-Sep-06										
Chemical Oxygen Demand	37.8		mg/l	5.00	43.0		87.9	78.6-116		
Batch 6091245 - General Preparation										
Blank (6091245-BLK1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
Blank (6091245-BLK2)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
LCS (6091245-BS1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.288		mg/l	0.0100	0.300		96.0	90-110		
LCS (6091245-BS2)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.286		mg/l	0.0100	0.300		95.3	90-110		
Matrix Spike (6091245-MS1)	**Source: SA51047-04**									
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.302		mg/l	0.0100	0.300	BRL	101	75-125		
Matrix Spike Dup (6091245-MSD1)	**Source: SA51047-04**									
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.292		mg/l	0.0100	0.300	BRL	97.3	75-125	3.37	20
Reference (6091245-SRM1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.362		mg/l	0.0100	0.429		84.4	75.1-124.9		
Batch 6091287 - General Preparation										
Blank (6091287-BLK1)										
Prepared & Analyzed: 20-Sep-06										
Total Dissolved Solids	BRL	U	mg/l	5.00						
Duplicate (6091287-DUP1)	**Source: SA50975-03**									
Prepared & Analyzed: 20-Sep-06										
Total Dissolved Solids	47.0		mg/l	5.00		57.0			19.2	20
Reference (6091287-SRM1)										
Prepared & Analyzed: 20-Sep-06										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091287 - General Preparation										
Reference (6091287-SRM1)										
Prepared & Analyzed: 20-Sep-06										
Total Dissolved Solids	482		mg/l	10.0	500		96.4	90-110		
Batch 6091337 - General Preparation										
Blank (6091337-BLK1)										
Prepared & Analyzed: 19-Sep-06										
Chloride	0.270	J	mg/l	1.00						
Blank (6091337-BLK2)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Chloride	0.260	J	mg/l	1.00						
LCS (6091337-BS1)										
Prepared & Analyzed: 19-Sep-06										
Chloride	20.4		mg/l	1.00	20.0		102	90-110		
LCS (6091337-BS2)										
Prepared & Analyzed: 19-Sep-06										
Chloride	3.88		mg/l	1.00	4.00		97.0	90-110		
LCS (6091337-BS3)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Chloride	21.0		mg/l	1.00	20.0		105	90-110		
LCS (6091337-BS4)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Chloride	4.14		mg/l	1.00	4.00		104	90-110		
Reference (6091337-SRM1)										
Prepared & Analyzed: 19-Sep-06										
Chloride	24.7		mg/l	1.00	25.0		98.8	90-110		
Reference (6091337-SRM2)										
Prepared & Analyzed: 19-Sep-06										
Chloride	4.72		mg/l	1.00	5.00		94.4	90-110		
Reference (6091337-SRM3)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Chloride	25.4		mg/l	1.00	25.0		102	90-110		
Reference (6091337-SRM4)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Chloride	4.83		mg/l	1.00	5.00		96.6	90-110		
Batch 6091405 - General Preparation										
Blank (6091405-BLK1)										
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	BRL	U	mg/L CaCO3	1.00						
LCS (6091405-BS1)										
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	30.0		mg/L CaCO3	1.00	30.0		100	90-110		
Duplicate (6091405-DUP1) **Source: SA51047-04**										
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	108		mg/L CaCO3	1.00		108			0.00	20
Matrix Spike (6091405-MS1) **Source: SA51047-04**										
Prepared & Analyzed: 21-Sep-06										

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091405 - General Preparation										
Matrix Spike (6091405-MS1)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	132		mg/L CaCO3	1.00	30.0	108	80.0	80-120		
Matrix Spike Dup (6091405-MSD1)	**Source: SA51047-04**									
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	132		mg/L CaCO3	1.00	30.0	108	80.0	80-120	0.00	200
Reference (6091405-SRM1)										
Prepared & Analyzed: 21-Sep-06										
Total Alkalinity	62.0		mg/L CaCO3	2.00	60.5		102	89.6-110.2		

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-05	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51047					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes ☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes ☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes ☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/22/2006

SA 51047 mg

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
SA51047-01	35	9/12/2006	12:46 MW-107A	1							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
02	36	9/13/2006	11:46 MW-107B	1							
				1	1	Liter	Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
03	97	9/13/2006	13:50 CFW-5	7							
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
04	98	9/13/2006	16:15 CFW-6	7							
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T

6° iced

SA51047

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
SA51047-04	107	9/13/2006	16:15 MS001-CFW-6	7							
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
05	108	9/13/2006	16:15 FD001	7							
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
04	109	9/13/2006	16:15 MSD001-CFW-6	7							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
06	153	9/14/2006	7:30 TB-401	2							
				2	40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
07	177	9/12/2006	12:46 FD006	1							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T

SA51047

SA51047

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
01	178	9/12/2006	12:46 MS006-MW107A	1						
				1	500	mL Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
01	179	9/12/2006	12:46 MSD006-MW107A	1						
				1	500	mL Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
08	180	9/13/2006	11:46 FD007	1						
				1	1	Liter Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
02	181	9/13/2006	11:46 MSD007-MW107B	1						
				1	1	Liter Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
02	182	9/13/2006	11:46 MS007-MW107B	1						
				1	1	Liter Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T

SDG Number: S011 **Start Date:** 09/12/06 **End Date:** __/__/____

* Extra Metals = Barium, Iron and Manganese

Relinquished: _____ **Date:** 09/14/06 **Time:** 1200

Received: M L Scott **Date:** 9/14/06 **Time:** 1210

Brendan A. L. Shaw - MACTEC-Portland, ME

* Contains Nitrates w/ a v. short hold time.

SA $1047 mg (2)

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

per client request use our methods see phone log mg

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
SA$1047-01	35	9/12/2006	12:46 MW-107A	1							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
02	36	9/13/2006	11:46 MW-107B	1							
				1	1	Liter	Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
03	97	9/13/2006	13:50 CFW-5	7							
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
04	98	9/13/2006	16:15 CFW-6	7							
				1	1	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T

60 ml

Report Date:
03-Oct-06 09:40

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51110-01	MW-101A	Ground Water	14-Sep-06 11:00	15-Sep-06 14:20
SA51110-02	MW-101B	Ground Water	14-Sep-06 12:41	15-Sep-06 14:20
SA51110-03	MW-101C	Ground Water	14-Sep-06 15:40	15-Sep-06 14:20
SA51110-04	MW-107D	Ground Water	14-Sep-06 11:26	15-Sep-06 14:20
SA51110-05	SW-1	Surface Water	14-Sep-06 17:45	15-Sep-06 14:20
SA51110-06	SW-2	Surface Water	14-Sep-06 17:30	15-Sep-06 14:20
SA51110-07	SW-3	Surface Water	14-Sep-06 17:15	15-Sep-06 14:20
SA51110-08	SW-4	Surface Water	14-Sep-06 17:00	15-Sep-06 14:20
SA51110-09	SW-5	Surface Water	14-Sep-06 16:40	15-Sep-06 14:20
SA51110-10	FD002	Surface Water	14-Sep-06 16:40	15-Sep-06 14:20
SA51110-11	TB-402	Blank Water	14-Sep-06 18:45	15-Sep-06 14:20
SA51110-12	FD004	Ground Water	14-Sep-06 15:40	15-Sep-06 14:20
SA51110-13	FD005	Ground Water	14-Sep-06 12:41	15-Sep-06 14:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 77 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

CASE NARRATIVE:

The data set for work order SA51110 complies with internal QC criteria for the methods performed.

The samples were received @ 5.6 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101A SA51110-01	[none]	Ground Water	14-Sep-06 11:00	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0051	J	mg/l	0.0070	0.0003	1	SW846 6010B	21-Sep-06	22-Sep-06	6091145	LR
7440-38-2	Arsenic	0.0161		mg/l	0.0040	0.0009	1	"	"	"	"	"
7440-42-8	Boron	0.0805		mg/l	0.0100	0.0013	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0050	0.00006	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7440-50-8	Copper	0.0241		mg/l	0.0050	0.0004	1	"	"	"	"	"
7440-02-0	Nickel	0.0191		mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0009	1	"	"	"	"	"
7440-36-0	Antimony	0.0034	J	mg/l	0.0060	0.0003	1	"	"	"	"	"
7782-49-2	Selenium	0.0050	J	mg/l	0.0150	0.0024	1	"	"	"	"	"
7440-28-0	Thallium	0.00002	J	mg/l	0.0020	0.000002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-66-6	Zinc	0.0146	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-38-2	Arsenic	0.0119	__RE	mg/l	0.0100	0.0022	1	SW846 6010B	28-Sep-06	28-Sep-06	6091756	LR
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00032		mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101B SA51110-02	[none]	Ground Water	14-Sep-06 12:41	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	19-Sep-06	21-Sep-06	6091167	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.21	0.198	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.21	0.115	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.21	0.365	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.21	0.333	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.21	0.0729	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.21	0.688	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.21	0.208	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.21	0.177	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.21	0.0833	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.21	0.146	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*68.7*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*62.6*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*37.2*	S-GC	*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*89.4*		*40-140 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA51110-03	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	25.0	10.2	25	SW 846 8260B	25-Sep-06	25-Sep-06	6091623	JRO
67-64-1	Acetone	1,670		µg/l	250	64.0	25	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	25.0	19.0	25	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	25.0	23.0	25	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	25.0	23.0	25	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	25.0	11.0	25	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	50.0	41.2	25	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	250	60.8	25	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	25.0	15.5	25	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	25.0	14.0	25	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	125	8.2	25	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	25.0	14.5	25	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	25.0	13.0	25	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	50.0	17.8	25	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	25.0	20.0	25	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	50.0	14.0	25	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	25.0	17.2	25	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	50.0	16.0	25	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	25.0	10.2	25	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	12.5	8.8	25	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	25.0	15.8	25	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	25.0	13.5	25	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	25.0	11.2	25	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	50.0	14.5	25	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	25.0	8.2	25	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	25.0	10.5	25	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	25.0	14.8	25	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	25.0	9.8	25	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	25.0	23.2	25	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	25.0	11.0	25	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	25.0	13.8	25	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	12.5	9.8	25	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	12.5	10.8	25	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	12.5	9.0	25	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	25.0	7.0	25	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	15.0	8.8	25	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	250	13.2	25	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	25.0	9.8	25	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	25.0	6.5	25	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	250	10.5	25	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	250	14.5	25	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA51110-03	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	25.0	9.5	25	SW 846 8260B	25-Sep-06	25-Sep-06	6091623	JRO
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	25.0	17.8	25	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	25.0	13.2	25	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	25.0	23.2	25	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	25.0	11.5	25	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	25.0	12.0	25	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	25.0	12.0	25	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	25.0	13.5	25	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	25.0	21.5	25	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	50.0	17.0	25	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	25.0	13.2	25	"	"	"	"	"
109-99-9	Tetrahydrofuran	198	J	µg/l	250	10.2	25	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	25.0	9.2	25	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	25.0	9.5	25	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	25.0	6.8	25	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	25.0	7.5	25	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	250	185	25	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	500	122	25	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*51.4*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*54.0*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*72.2*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*72.8*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	0.0395	J	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	21-Sep-06	22-Sep-06	6091392	ss
	C9-C12 Aliphatic Hydrocarbons	0.00765	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	0.0395	J	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	0.0102	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*96.4*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*73.6*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA51110-03	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Organic Compounds by Modified SW846 8015												
Alcohol Analysis												
Prepared by method SW846 8015 Mod.												
71-36-3	n-Butyl alcohol	BRL	U	mg/l	1.00	1.00	1	+SW846 8015 Mod	20-Sep-06	21-Sep-06	6091255	JD
67-56-1	Methanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
64-17-5	Ethanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
71-23-8	n-Propanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
78-83-1	Isobutanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107D SA51110-04	[none]	Ground Water	14-Sep-06 11:26	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	PCB 1016	BRL	U	µg/l	0.222	0.0722	1	SW846 8082	20-Sep-06	20-Sep-06	6091250	SM
11104-28-2	PCB 1221	BRL	U	µg/l	0.222	0.0700	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/l	0.222	0.169	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/l	0.222	0.146	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/l	0.222	0.172	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/l	0.222	0.0516	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/l	0.222	0.0597	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL	U	µg/l	0.222	0.0267	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL	U	µg/l	0.222	0.128	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45.0*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*70.3*		*30-150 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-1 SA51110-05	[none]	Surface Water	14-Sep-06 17:45	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-06	22-Sep-06	6091494	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-1 SA51110-05	[none]	Surface Water	14-Sep-06 17:45	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-06	22-Sep-06	6091494	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99.8*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0013		mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0155		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00003	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0009	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	0.123	J	mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.0119		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0010	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	0.0008	J	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0002	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00003	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0095	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00024		mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-1 SA51110-05	[none]	Surface Water	14-Sep-06 17:45	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
General Chemistry Parameters												
	Total Alkalinity	4.00		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	0.830	J	mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	7.00		mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	19-Sep-06	19-Sep-06	6091245	ES
14797-55-8	Nitrate as N	0.0300	J	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	26.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	6.24		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-2	[none]	Surface Water	14-Sep-06 17:30	15-Sep-06
SA51110-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
67-64-1	Acetone	5.5	J	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-2 SA51110-06	[none]	Surface Water	14-Sep-06 17:30	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*99.4*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0009		mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0163		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00005	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0008	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	0.0318	J	mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.0079		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	0.0008	J	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0006	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	0.0011	J	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0001	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00002	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0094	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-2 SA51110-06	[none]	Surface Water	14-Sep-06 17:30	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters												
	Total Alkalinity	12.0		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	0.720	J	mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	22-Sep-06	22-Sep-06	6091530	ES
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	19.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	5.36		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-3	[none]	Surface Water	14-Sep-06 17:15	15-Sep-06
SA51110-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-3	[none]	Surface Water	14-Sep-06 17:15	15-Sep-06
SA51110-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0002		mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0168		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00003	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	0.0008	J	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0012	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	1.65		mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.130		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0009	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	BRL	U	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0001	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00002	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0085	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-3 SA51110-07	[none]	Surface Water	14-Sep-06 17:15	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
General Chemistry Parameters												
	Total Alkalinity	22.0		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	0.940	J	mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	22-Sep-06	22-Sep-06	6091530	ES
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	29.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	5.41		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-4	[none]	Surface Water	14-Sep-06 17:00	15-Sep-06
SA51110-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
67-64-1	Acetone	3.0	J	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-4 SA51110-08	[none]	Surface Water	14-Sep-06 17:00	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.00005	J	mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0192		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00003	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0008	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	6.62		mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.340		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0006	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	0.0014	J	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0001	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00001	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0072	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00006	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-4 SA51110-08	[none]	Surface Water	14-Sep-06 17:00	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters												
	Total Alkalinity	22.0		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	1.05		mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	22-Sep-06	22-Sep-06	6091530	ES
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	24.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	5.37		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-5 SA51110-09	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-5 SA51110-09	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-06	19-Sep-06	6091220	tim
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0013		mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0173		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00003	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0010	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	4.76		mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.327		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0007	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	0.0017	J	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0001	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00004	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0066	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00032		mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SW-5 SA51110-09	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters												
	Total Alkalinity	23.0		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	1.07		mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	22-Sep-06	22-Sep-06	6091530	ES
14797-55-8	Nitrate as N	0.0300	J	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	33.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	5.28		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD002 SA51110-10	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	21-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD002 SA51110-10	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	21-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0002		mg/l	0.0001	0.000003	1	SW846 6020	21-Sep-06	22-Sep-06	6091146	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0009	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-39-3	Barium	0.0189		mg/l	0.0050	0.0005	1	"	"	"	"	"
7440-41-7	Beryllium	0.0002	J	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-43-9	Cadmium	0.00004	J	mg/l	0.0002	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0007	1	SW846 6010B	"	22-Sep-06	6091145	"
7440-50-8	Copper	0.0006	J	mg/l	0.0050	0.0004	1	"	"	"	"	"
7439-89-6	Iron	7.14		mg/l	0.130	0.0009	1	"	"	"	"	"
7439-96-5	Manganese	0.353		mg/l	0.0040	0.0003	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0007	1	"	"	"	"	"
7439-92-1	Lead	0.0011	J	mg/l	0.0025	0.000004	1	SW846 6020	"	22-Sep-06	6091146	"
7440-36-0	Antimony	0.0050	J	mg/l	0.0060	0.0003	1	SW846 6010B	"	22-Sep-06	6091145	"
7782-49-2	Selenium	0.0001	J	mg/l	0.0050	0.00002	1	SW846 6020	"	22-Sep-06	6091146	"
7440-28-0	Thallium	0.00008	J	mg/l	0.0020	0.000002	1	"	"	"	"	"
7440-66-6	Zinc	0.0050	J	mg/l	0.0200	0.0016	1	SW846 6010B	"	22-Sep-06	6091145	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	21-Sep-06	22-Sep-06	6091147	RE
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD002 SA51110-10	[none]	Surface Water	14-Sep-06 16:40	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters												
	Total Alkalinity	22.0		mg/L CaCO3	1.00	0.760	1	SM2320B	22-Sep-06	22-Sep-06	6091522	BD
16887-00-6	Chloride	1.08		mg/l	1.00	0.0500	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	21-Sep-06	22-Sep-06	6091524	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	22-Sep-06	22-Sep-06	6091530	ES
14797-55-8	Nitrate as N	0.0300	J	mg/l	0.100	0.0300	1	EPA 300.0	15-Sep-06 08:45	16-Sep-06	6091092	AI
	Total Dissolved Solids	30.0		mg/l	5.00	5.00	1	SM2540 C	21-Sep-06	22-Sep-06	6091532	RLT
14808-79-8	Sulfate as SO4	5.20		mg/l	1.00	0.0600	1	EPA 300.0	15-Sep-06	16-Sep-06	6091092	AI

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-402 SA51110-11	[none]	Blank Water	14-Sep-06 18:45	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	21-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-402 SA51110-11	[none]	Blank Water	14-Sep-06 18:45	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	21-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	21-Sep-06	22-Sep-06	6091392	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*97.6*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*74.4*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD004 SA51110-12	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	25.0	10.2	25	SW 846 8260B	25-Sep-06	25-Sep-06	6091623	JRO
67-64-1	Acetone	1,390		µg/l	250	64.0	25	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	25.0	19.0	25	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	25.0	23.0	25	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	25.0	23.0	25	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	25.0	11.0	25	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	50.0	41.2	25	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	250	60.8	25	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	25.0	15.5	25	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	25.0	14.0	25	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	125	8.2	25	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	25.0	14.5	25	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	25.0	13.0	25	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	50.0	17.8	25	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	25.0	20.0	25	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	50.0	14.0	25	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	25.0	17.2	25	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	50.0	16.0	25	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	25.0	10.2	25	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	12.5	8.8	25	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	25.0	15.8	25	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	25.0	13.5	25	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	25.0	11.2	25	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	50.0	14.5	25	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	25.0	8.2	25	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	25.0	10.5	25	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	25.0	14.8	25	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	25.0	9.8	25	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	25.0	23.2	25	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	25.0	11.0	25	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	25.0	13.8	25	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	12.5	9.8	25	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	12.5	10.8	25	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	12.5	9.0	25	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	25.0	7.0	25	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	15.0	8.8	25	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	250	13.2	25	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	25.0	9.8	25	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	25.0	6.5	25	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	250	10.5	25	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	250	14.5	25	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	25.0	14.2	25	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD004 SA51110-12	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	25.0	9.5	25	SW 846 8260B	25-Sep-06	25-Sep-06	6091623	JRO
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	25.0	12.8	25	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	25.0	16.0	25	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	25.0	18.5	25	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	25.0	17.8	25	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	25.0	13.2	25	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	25.0	23.2	25	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	25.0	11.5	25	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	25.0	12.0	25	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	25.0	12.0	25	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	25.0	16.5	25	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	25.0	13.5	25	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	25.0	21.5	25	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	50.0	17.0	25	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	25.0	13.2	25	"	"	"	"	"
109-99-9	Tetrahydrofuran	72.2	J	µg/l	250	10.2	25	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	25.0	9.2	25	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	25.0	9.5	25	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	25.0	6.8	25	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	25.0	7.5	25	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	250	185	25	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	500	122	25	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*58.6*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*59.0*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*63.8*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*64.8*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	0.0456	J	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	21-Sep-06	22-Sep-06	6091392	ss
	C9-C12 Aliphatic Hydrocarbons	0.00958	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	0.0456	J	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	0.0122	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*97.4*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*72.8*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD004 SA51110-12	[none]	Ground Water	14-Sep-06 15:40	15-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Organic Compounds by Modified SW846 8015												
Alcohol Analysis												
Prepared by method SW846 8015 Mod.												
71-36-3	n-Butyl alcohol	BRL	U	mg/l	1.00	1.00	1	+SW846 8015 Mod	20-Sep-06	21-Sep-06	6091255	JD
67-56-1	Methanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
64-17-5	Ethanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
71-23-8	n-Propanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
78-83-1	Isobutanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD005 SA51110-13	[none]	Ground Water	14-Sep-06 12:41	15-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	19-Sep-06	21-Sep-06	6091167	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.21	0.198	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.21	0.115	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.21	0.365	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.21	0.333	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.21	0.0729	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.21	0.688	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.21	0.208	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.21	0.177	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.21	0.0833	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.21	0.146	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*67.9*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*66.0*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*52.8*		*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*91.6*		*40-140 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091220 - SW846 5030 Water MS										
Blank (6091220-BLK1)										
Prepared & Analyzed: 19-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091220 - SW846 5030 Water MS										
Blank (6091220-BLK1)										
Prepared & Analyzed: 19-Sep-06										
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: Dibromofluoromethane	*51.5*		µg/l		*50.0*		*103*	*70-130*		
LCS (6091220-BS1)										
Prepared & Analyzed: 19-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/l		20.0		98.0	70-130		
Acetone	21.8		µg/l		20.0		109	70-130		
Acrylonitrile	21.8		µg/l		20.0		109	70-130		
Benzene	21.7		µg/l		20.0		108	70-130		
Bromobenzene	20.0		µg/l		20.0		100	70-130		
Bromochloromethane	20.4		µg/l		20.0		102	70-130		
Bromodichloromethane	22.8		µg/l		20.0		114	70-130		
Bromoform	19.7		µg/l		20.0		98.5	70-130		
Bromomethane	17.6		µg/l		20.0		88.0	70-130		
2-Butanone (MEK)	21.1		µg/l		20.0		106	70-130		
n-Butylbenzene	21.9		µg/l		20.0		110	70-130		
sec-Butylbenzene	21.4		µg/l		20.0		107	70-130		
tert-Butylbenzene	21.5		µg/l		20.0		108	70-130		
Carbon disulfide	19.6		µg/l		20.0		98.0	70-130		
Carbon tetrachloride	23.0		µg/l		20.0		115	70-130		
Chlorobenzene	20.5		µg/l		20.0		102	70-130		
Chloroethane	19.9		µg/l		20.0		99.5	70-130		
Chloroform	21.7		µg/l		20.0		108	70-130		
Chloromethane	19.4		µg/l		20.0		97.0	70-130		
2-Chlorotoluene	20.9		µg/l		20.0		104	70-130		
4-Chlorotoluene	20.9		µg/l		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	21.2		µg/l		20.0		106	70-130		
Dibromochloromethane	24.6		µg/l		20.0		123	70-130		
1,2-Dibromoethane (EDB)	20.7		µg/l		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091220 - SW846 5030 Water MS										
LCS (6091220-BS1)										
Prepared & Analyzed: 19-Sep-06										
Dibromomethane	21.3		µg/l		20.0		106	70-130		
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	20.4		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	19.8		µg/l		20.0		99.0	70-130		
Dichlorodifluoromethane (Freon12)	21.0		µg/l		20.0		105	70-130		
1,1-Dichloroethane	20.7		µg/l		20.0		104	70-130		
1,2-Dichloroethane	20.5		µg/l		20.0		102	70-130		
1,1-Dichloroethene	20.4		µg/l		20.0		102	70-130		
cis-1,2-Dichloroethene	21.3		µg/l		20.0		106	70-130		
trans-1,2-Dichloroethene	20.8		µg/l		20.0		104	70-130		
1,2-Dichloropropane	21.0		µg/l		20.0		105	70-130		
1,3-Dichloropropane	20.8		µg/l		20.0		104	70-130		
2,2-Dichloropropane	22.3		µg/l		20.0		112	70-130		
1,1-Dichloropropene	20.8		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	22.2		µg/l		20.0		111	70-130		
trans-1,3-Dichloropropene	24.0		µg/l		20.0		120	70-130		
Ethylbenzene	21.0		µg/l		20.0		105	70-130		
Hexachlorobutadiene	22.0		µg/l		20.0		110	70-130		
2-Hexanone (MBK)	22.2		µg/l		20.0		111	70-130		
Isopropylbenzene	20.5		µg/l		20.0		102	70-130		
4-Isopropyltoluene	21.9		µg/l		20.0		110	70-130		
Methyl tert-butyl ether	21.2		µg/l		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	22.4		µg/l		20.0		112	70-130		
Methylene chloride	21.2		µg/l		20.0		106	70-130		
Naphthalene	22.8		µg/l		20.0		114	70-130		
n-Propylbenzene	21.0		µg/l		20.0		105	70-130		
Styrene	21.3		µg/l		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	20.8		µg/l		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	21.5		µg/l		20.0		108	70-130		
Tetrachloroethene	21.2		µg/l		20.0		106	70-130		
Toluene	20.5		µg/l		20.0		102	70-130		
1,2,3-Trichlorobenzene	21.8		µg/l		20.0		109	70-130		
1,2,4-Trichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,1,1-Trichloroethane	21.2		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	22.0		µg/l		20.0		110	70-130		
Trichloroethene	21.9		µg/l		20.0		110	70-130		
Trichlorofluoromethane (Freon 11)	20.0		µg/l		20.0		100	70-130		
1,2,3-Trichloropropane	24.2		µg/l		20.0		121	70-130		
1,2,4-Trimethylbenzene	21.3		µg/l		20.0		106	70-130		
1,3,5-Trimethylbenzene	21.1		µg/l		20.0		106	70-130		
Vinyl chloride	18.4		µg/l		20.0		92.0	70-130		
m,p-Xylene	43.2		µg/l		40.0		108	70-130		
o-Xylene	21.7		µg/l		20.0		108	70-130		
Tetrahydrofuran	22.5		µg/l		20.0		112	70-130		
Ethyl ether	20.5		µg/l		20.0		102	70-130		
Tert-amyl methyl ether	18.8		µg/l		20.0		94.0	70-130		
Ethyl tert-butyl ether	21.1		µg/l		20.0		106	70-130		
Di-isopropyl ether	20.8		µg/l		20.0		104	70-130		
Tert-Butanol / butyl alcohol	249		µg/l		200		124	70-130		
1,4-Dioxane	230		µg/l		200		115	70-130		
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091220 - SW846 5030 Water MS										
LCS (6091220-BS1)										
Prepared & Analyzed: 19-Sep-06										
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (6091220-BSD1)										
Prepared & Analyzed: 19-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.8		µg/l		20.0		94.0	70-130	4.17	25
Acetone	23.5		µg/l		20.0		118	70-130	7.93	50
Acrylonitrile	21.8		µg/l		20.0		109	70-130	0.00	25
Benzene	20.9		µg/l		20.0		104	70-130	3.77	25
Bromobenzene	19.6		µg/l		20.0		98.0	70-130	2.02	25
Bromochloromethane	20.3		µg/l		20.0		102	70-130	0.00	25
Bromodichloromethane	22.1		µg/l		20.0		110	70-130	3.57	25
Bromoform	19.1		µg/l		20.0		95.5	70-130	3.09	25
Bromomethane	17.1		µg/l		20.0		85.5	70-130	2.88	50
2-Butanone (MEK)	21.2		µg/l		20.0		106	70-130	0.00	50
n-Butylbenzene	21.4		µg/l		20.0		107	70-130	2.76	25
sec-Butylbenzene	20.6		µg/l		20.0		103	70-130	3.81	25
tert-Butylbenzene	20.3		µg/l		20.0		102	70-130	5.71	25
Carbon disulfide	17.8		µg/l		20.0		89.0	70-130	9.63	25
Carbon tetrachloride	22.0		µg/l		20.0		110	70-130	4.44	25
Chlorobenzene	19.8		µg/l		20.0		99.0	70-130	2.99	25
Chloroethane	19.7		µg/l		20.0		98.5	70-130	1.01	50
Chloroform	20.8		µg/l		20.0		104	70-130	3.77	25
Chloromethane	18.9		µg/l		20.0		94.5	70-130	2.61	25
2-Chlorotoluene	19.9		µg/l		20.0		99.5	70-130	4.42	25
4-Chlorotoluene	19.8		µg/l		20.0		99.0	70-130	4.93	25
1,2-Dibromo-3-chloropropane	20.5		µg/l		20.0		102	70-130	3.85	25
Dibromochloromethane	24.4		µg/l		20.0		122	70-130	0.816	50
1,2-Dibromoethane (EDB)	21.1		µg/l		20.0		106	70-130	1.90	25
Dibromomethane	21.2		µg/l		20.0		106	70-130	0.00	25
1,2-Dichlorobenzene	19.3		µg/l		20.0		96.5	70-130	4.56	25
1,3-Dichlorobenzene	19.6		µg/l		20.0		98.0	70-130	4.00	25
1,4-Dichlorobenzene	19.0		µg/l		20.0		95.0	70-130	4.12	25
Dichlorodifluoromethane (Freon12)	20.2		µg/l		20.0		101	70-130	3.88	50
1,1-Dichloroethane	20.6		µg/l		20.0		103	70-130	0.966	25
1,2-Dichloroethane	20.4		µg/l		20.0		102	70-130	0.00	25
1,1-Dichloroethene	19.4		µg/l		20.0		97.0	70-130	5.03	25
cis-1,2-Dichloroethene	21.0		µg/l		20.0		105	70-130	0.948	25
trans-1,2-Dichloroethene	19.7		µg/l		20.0		98.5	70-130	5.43	25
1,2-Dichloropropane	20.9		µg/l		20.0		104	70-130	0.957	25
1,3-Dichloropropane	20.8		µg/l		20.0		104	70-130	0.00	25
2,2-Dichloropropane	21.4		µg/l		20.0		107	70-130	4.57	25
1,1-Dichloropropene	20.0		µg/l		20.0		100	70-130	3.92	25
cis-1,3-Dichloropropene	21.2		µg/l		20.0		106	70-130	4.61	25
trans-1,3-Dichloropropene	24.0		µg/l		20.0		120	70-130	0.00	25
Ethylbenzene	20.0		µg/l		20.0		100	70-130	4.88	25
Hexachlorobutadiene	20.8		µg/l		20.0		104	70-130	5.61	50
2-Hexanone (MBK)	22.3		µg/l		20.0		112	70-130	0.897	25
Isopropylbenzene	19.5		µg/l		20.0		97.5	70-130	4.51	25
4-Isopropyltoluene	21.5		µg/l		20.0		108	70-130	1.83	25
Methyl tert-butyl ether	21.6		µg/l		20.0		108	70-130	1.87	25
4-Methyl-2-pentanone (MIBK)	22.7		µg/l		20.0		114	70-130	1.77	50
Methylene chloride	20.8		µg/l		20.0		104	70-130	1.90	25
Naphthalene	21.6		µg/l		20.0		108	70-130	5.41	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091220 - SW846 5030 Water MS										
LCS Dup (6091220-BSD1)										
Prepared & Analyzed: 19-Sep-06										
n-Propylbenzene	19.9		µg/l		20.0		99.5	70-130	5.38	25
Styrene	20.1		µg/l		20.0		100	70-130	5.83	25
1,1,1,2-Tetrachloroethane	20.8		µg/l		20.0		104	70-130	0.00	25
1,1,2,2-Tetrachloroethane	20.8		µg/l		20.0		104	70-130	3.77	25
Tetrachloroethene	20.1		µg/l		20.0		100	70-130	5.83	25
Toluene	20.2		µg/l		20.0		101	70-130	0.985	25
1,2,3-Trichlorobenzene	21.1		µg/l		20.0		106	70-130	2.79	25
1,2,4-Trichlorobenzene	20.0		µg/l		20.0		100	70-130	3.92	25
1,1,1-Trichloroethane	20.6		µg/l		20.0		103	70-130	2.87	25
1,1,2-Trichloroethane	21.8		µg/l		20.0		109	70-130	0.913	25
Trichloroethene	21.1		µg/l		20.0		106	70-130	3.70	25
Trichlorofluoromethane (Freon 11)	19.5		µg/l		20.0		97.5	70-130	2.53	50
1,2,3-Trichloropropane	24.0		µg/l		20.0		120	70-130	0.830	25
1,2,4-Trimethylbenzene	20.5		µg/l		20.0		102	70-130	3.85	25
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130	5.83	25
Vinyl chloride	17.5		µg/l		20.0		87.5	70-130	5.01	25
m,p-Xylene	40.5		µg/l		40.0		101	70-130	6.70	25
o-Xylene	20.8		µg/l		20.0		104	70-130	3.77	25
Tetrahydrofuran	22.4		µg/l		20.0		112	70-130	0.00	25
Ethyl ether	20.2		µg/l		20.0		101	70-130	0.985	50
Tert-amyl methyl ether	18.5		µg/l		20.0		92.5	70-130	1.61	25
Ethyl tert-butyl ether	21.4		µg/l		20.0		107	70-130	0.939	25
Di-isopropyl ether	20.5		µg/l		20.0		102	70-130	1.94	25
Tert-Butanol / butyl alcohol	251		µg/l		200		126	70-130	1.60	25
1,4-Dioxane	222		µg/l		200		111	70-130	3.54	25
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Matrix Spike (6091220-MS1) **Source: SA51110-09**										
Prepared & Analyzed: 19-Sep-06										
Benzene	19.4		µg/l		20.0	BRL	97.0	70-130		
Chlorobenzene	19.8		µg/l		20.0	BRL	99.0	70-130		
1,1-Dichloroethene	10.8	QM-07	µg/l		20.0	BRL	54.0	70-130		
Toluene	18.8		µg/l		20.0	BRL	94.0	70-130		
Trichloroethene	6.5	QM-07	µg/l		20.0	BRL	32.5	70-130		
Surrogate: 4-Bromofluorobenzene	*26.2*	S-GC	µg/l		*50.0*		*52.4*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike Dup (6091220-MSD1) **Source: SA51110-09**										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
Benzene	18.4		µg/l		20.0	BRL	92.0	70-130	5.29	30
Chlorobenzene	18.8		µg/l		20.0	BRL	94.0	70-130	5.18	30
1,1-Dichloroethene	10.4	QM-07	µg/l		20.0	BRL	52.0	70-130	3.77	30
Toluene	18.7		µg/l		20.0	BRL	93.5	70-130	0.533	30
Trichloroethene	15.8	QR-05	µg/l		20.0	BRL	79.0	70-130	83.4	30
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Batch 6091392 - VPH										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091392 - VPH										
Blank (6091392-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*48.1*		µg/l		*50.0*		*96.2*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*36.5*		µg/l		*50.0*		*73.0*	*70-130*		
LCS (6091392-BS1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
C5-C8 Aliphatic Hydrocarbons	126		mg/l		140		90.0	70-130		
C9-C12 Aliphatic Hydrocarbons	66.4		mg/l		55.2		120	70-130		
C9-C10 Aromatic Hydrocarbons	31.1		mg/l		40.0		77.8	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	242		mg/l		280		86.4	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	97.6		mg/l		84.8		115	70-130		
Benzene	16.7		µg/l		20.0		83.5	70-130		
Ethylbenzene	16.4		µg/l		20.0		82.0	70-130		
Methyl tert-butyl ether	16.7		µg/l		20.0		83.5	70-130		
Naphthalene	17.5		µg/l		20.0		87.5	70-130		
Toluene	16.2		µg/l		20.0		81.0	70-130		
m,p-Xylene	32.9		µg/l		40.0		82.2	70-130		
o-Xylene	16.7		µg/l		20.0		83.5	70-130		
2-Methylpentane	17.3		µg/l		20.0		86.5	70-130		
n-Nonane	20.7		µg/l		20.0		104	70-130		
n-Pentane	16.6		µg/l		20.0		83.0	70-130		
1,2,4-Trimethylbenzene	17.6		µg/l		20.0		88.0	70-130		
2,2,4-Trimethylpentane	18.5		µg/l		20.0		92.5	70-130		
n-Butylcyclohexane	22.0		µg/l		20.0		110	70-130		
n-Decane	23.0		µg/l		20.0		115	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*57.9*		µg/l		*50.0*		*116*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*50.0*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (6091392-BSD1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
C5-C8 Aliphatic Hydrocarbons	129		mg/l		140		92.1	70-130	2.31	25
C9-C12 Aliphatic Hydrocarbons	66.7		mg/l		55.2		121	70-130	0.830	25
C9-C10 Aromatic Hydrocarbons	32.8		mg/l		40.0		82.0	70-130	5.26	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	249		mg/l		280		88.9	70-130	2.85	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	99.5		mg/l		84.8		117	70-130	1.72	25
Benzene	16.9		µg/l		20.0		84.5	70-130	1.19	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091392 - VPH										
LCS Dup (6091392-BSD1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Ethylbenzene	17.2		µg/l		20.0		86.0	70-130	4.76	25
Methyl tert-butyl ether	17.2		µg/l		20.0		86.0	70-130	2.95	25
Naphthalene	20.5		µg/l		20.0		102	70-130	15.3	25
Toluene	17.0		µg/l		20.0		85.0	70-130	4.82	25
m,p-Xylene	34.2		µg/l		40.0		85.5	70-130	3.94	25
o-Xylene	17.5		µg/l		20.0		87.5	70-130	4.68	25
2-Methylpentane	16.9		µg/l		20.0		84.5	70-130	2.34	25
n-Nonane	22.9		µg/l		20.0		114	70-130	9.17	25
n-Pentane	17.1		µg/l		20.0		85.5	70-130	2.97	25
1,2,4-Trimethylbenzene	18.4		µg/l		20.0		92.0	70-130	4.44	25
2,2,4-Trimethylpentane	20.3		µg/l		20.0		102	70-130	9.77	25
n-Butylcyclohexane	24.4		µg/l		20.0		122	70-130	10.3	25
n-Decane	24.5		µg/l		20.0		122	70-130	5.91	25
Surrogate: 2,5-Dibromotoluene (FID)	*63.8*		µg/l		*50.0*		*128*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*44.4*		µg/l		*50.0*		*88.8*	*70-130*		
Duplicate (6091392-DUP1)	**Source: SA51331-01**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		0.00553				50
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		0.00553				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		0.00504				50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*38.1*		µg/l		*50.0*		*76.2*	*70-130*		
Matrix Spike (6091392-MS1)	**Source: SA51110-03**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	16.2		µg/l		20.0	BRL	81.0	70-130		
Ethylbenzene	16.0		µg/l		20.0	BRL	80.0	70-130		
Methyl tert-butyl ether	15.0		µg/l		20.0	BRL	75.0	70-130		
Naphthalene	17.2		µg/l		20.0	BRL	86.0	70-130		
Toluene	15.8		µg/l		20.0	BRL	79.0	70-130		
m,p-Xylene	31.5		µg/l		40.0	BRL	78.8	70-130		
o-Xylene	15.9		µg/l		20.0	BRL	79.5	70-130		
2-Methylpentane	25.9		µg/l		20.0	BRL	130	70-130		
n-Nonane	23.1		µg/l		20.0	BRL	116	70-130		
n-Pentane	21.0		µg/l		20.0	BRL	105	70-130		
1,2,4-Trimethylbenzene	16.5		µg/l		20.0	BRL	82.5	70-130		
2,2,4-Trimethylpentane	19.7		µg/l		20.0	BRL	98.5	70-130		
n-Butylcyclohexane	23.1		µg/l		20.0	0.0	116	70-130		
n-Decane	35.1	Z-2	µg/l		20.0	7.53	138	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*55.1*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*37.2*		µg/l		*50.0*		*74.4*	*70-130*		
Matrix Spike Dup (6091392-MSD1)	**Source: SA51110-03**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	17.8		µg/l		20.0	BRL	89.0	70-130	9.41	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091392 - VPH										
Matrix Spike Dup (6091392-MSD1) **Source: SA51110-03**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Ethylbenzene	17.9		µg/l		20.0	BRL	89.5	70-130	11.2	30
Methyl tert-butyl ether	16.2		µg/l		20.0	BRL	81.0	70-130	7.69	30
Naphthalene	19.4		µg/l		20.0	BRL	97.0	70-130	12.0	30
Toluene	17.7		µg/l		20.0	BRL	88.5	70-130	11.3	30
m,p-Xylene	35.7		µg/l		40.0	BRL	89.2	70-130	12.4	30
o-Xylene	17.9		µg/l		20.0	BRL	89.5	70-130	11.8	30
2-Methylpentane	27.8	Z-2	µg/l		20.0	BRL	139	70-130	6.69	30
n-Nonane	22.5		µg/l		20.0	BRL	112	70-130	3.51	30
n-Pentane	24.0		µg/l		20.0	BRL	120	70-130	13.3	30
1,2,4-Trimethylbenzene	18.9		µg/l		20.0	BRL	94.5	70-130	13.6	30
2,2,4-Trimethylpentane	21.6		µg/l		20.0	BRL	108	70-130	9.20	30
n-Butylcyclohexane	24.3		µg/l		20.0	0.0	122	70-130	5.04	30
n-Decane	30.8		µg/l		20.0	7.53	116	70-130	17.3	30
Surrogate: 2,5-Dibromotoluene (FID)	*54.8*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*37.0*		µg/l		*50.0*		*74.0*	*70-130*		
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.7		µg/l		20.0		98.5	70-130		
Acetone	21.7		µg/l		20.0		108	70-130		
Acrylonitrile	19.8		µg/l		20.0		99.0	70-130		
Benzene	19.4		µg/l		20.0		97.0	70-130		
Bromobenzene	20.5		µg/l		20.0		102	70-130		
Bromochloromethane	20.5		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
Bromodichloromethane	19.4		µg/l		20.0		97.0	70-130		
Bromoform	13.9	QC-2	µg/l		20.0		69.5	70-130		
Bromomethane	21.4		µg/l		20.0		107	70-130		
2-Butanone (MEK)	14.3		µg/l		20.0		71.5	70-130		
n-Butylbenzene	20.8		µg/l		20.0		104	70-130		
sec-Butylbenzene	19.7		µg/l		20.0		98.5	70-130		
tert-Butylbenzene	19.9		µg/l		20.0		99.5	70-130		
Carbon disulfide	17.7		µg/l		20.0		88.5	70-130		
Carbon tetrachloride	18.7		µg/l		20.0		93.5	70-130		
Chlorobenzene	19.4		µg/l		20.0		97.0	70-130		
Chloroethane	19.4		µg/l		20.0		97.0	70-130		
Chloroform	21.0		µg/l		20.0		105	70-130		
Chloromethane	18.7		µg/l		20.0		93.5	70-130		
2-Chlorotoluene	19.4		µg/l		20.0		97.0	70-130		
4-Chlorotoluene	19.3		µg/l		20.0		96.5	70-130		
1,2-Dibromo-3-chloropropane	16.2		µg/l		20.0		81.0	70-130		
Dibromochloromethane	17.0		µg/l		20.0		85.0	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/l		20.0		102	70-130		
Dibromomethane	19.3		µg/l		20.0		96.5	70-130		
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	20.5		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	20.3		µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	20.9		µg/l		20.0		104	70-130		
1,1-Dichloroethane	19.2		µg/l		20.0		96.0	70-130		
1,2-Dichloroethane	19.8		µg/l		20.0		99.0	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	19.6		µg/l		20.0		98.0	70-130		
1,2-Dichloropropane	19.6		µg/l		20.0		98.0	70-130		
1,3-Dichloropropane	19.4		µg/l		20.0		97.0	70-130		
2,2-Dichloropropane	20.5		µg/l		20.0		102	70-130		
1,1-Dichloropropene	20.7		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	19.1		µg/l		20.0		95.5	70-130		
trans-1,3-Dichloropropene	18.8		µg/l		20.0		94.0	70-130		
Ethylbenzene	19.3		µg/l		20.0		96.5	70-130		
Hexachlorobutadiene	18.2		µg/l		20.0		91.0	70-130		
2-Hexanone (MBK)	14.2		µg/l		20.0		71.0	70-130		
Isopropylbenzene	19.0		µg/l		20.0		95.0	70-130		
4-Isopropyltoluene	21.1		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
4-Methyl-2-pentanone (MIBK)	15.9		µg/l		20.0		79.5	70-130		
Methylene chloride	19.2		µg/l		20.0		96.0	70-130		
Naphthalene	18.1		µg/l		20.0		90.5	70-130		
n-Propylbenzene	19.7		µg/l		20.0		98.5	70-130		
Styrene	19.9		µg/l		20.0		99.5	70-130		
1,1,1,2-Tetrachloroethane	19.1		µg/l		20.0		95.5	70-130		
1,1,2,2-Tetrachloroethane	18.1		µg/l		20.0		90.5	70-130		
Tetrachloroethene	21.7		µg/l		20.0		108	70-130		
Toluene	18.8		µg/l		20.0		94.0	70-130		
1,2,3-Trichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
1,2,4-Trichlorobenzene	20.3		µg/l		20.0		102	70-130		
1,1,1-Trichloroethane	19.4		µg/l		20.0		97.0	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130		
Trichloroethene	19.8		µg/l		20.0		99.0	70-130		
Trichlorofluoromethane (Freon 11)	21.2		µg/l		20.0		106	70-130		
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.9		µg/l		20.0		99.5	70-130		
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130		
Vinyl chloride	20.5		µg/l		20.0		102	70-130		
m,p-Xylene	38.7		µg/l		40.0		96.8	70-130		
o-Xylene	19.6		µg/l		20.0		98.0	70-130		
Tetrahydrofuran	16.1		µg/l		20.0		80.5	70-130		
Ethyl ether	20.5		µg/l		20.0		102	70-130		
Tert-amyl methyl ether	19.5		µg/l		20.0		97.5	70-130		
Ethyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130		
Di-isopropyl ether	17.1		µg/l		20.0		85.5	70-130		
Tert-Butanol / butyl alcohol	166		µg/l		200		83.0	70-130		
1,4-Dioxane	195		µg/l		200		97.5	70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/l		20.0		93.5	70-130	5.21	25
Acetone	20.6		µg/l		20.0		103	70-130	4.74	50
Acrylonitrile	20.2		µg/l		20.0		101	70-130	2.00	25
Benzene	18.5		µg/l		20.0		92.5	70-130	4.75	25
Bromobenzene	19.7		µg/l		20.0		98.5	70-130	3.49	25
Bromochloromethane	19.6		µg/l		20.0		98.0	70-130	4.00	25
Bromodichloromethane	19.0		µg/l		20.0		95.0	70-130	2.08	25
Bromoform	13.6	QC-2	µg/l		20.0		68.0	70-130	2.18	25
Bromomethane	20.4		µg/l		20.0		102	70-130	4.78	50
2-Butanone (MEK)	17.7		µg/l		20.0		88.5	70-130	21.2	50
n-Butylbenzene	19.6		µg/l		20.0		98.0	70-130	5.94	25
sec-Butylbenzene	18.7		µg/l		20.0		93.5	70-130	5.21	25
tert-Butylbenzene	18.9		µg/l		20.0		94.5	70-130	5.15	25
Carbon disulfide	16.4		µg/l		20.0		82.0	70-130	7.62	25
Carbon tetrachloride	17.7		µg/l		20.0		88.5	70-130	5.49	25
Chlorobenzene	18.6		µg/l		20.0		93.0	70-130	4.21	25
Chloroethane	19.3		µg/l		20.0		96.5	70-130	0.517	50
Chloroform	20.1		µg/l		20.0		100	70-130	4.88	25
Chloromethane	18.0		µg/l		20.0		90.0	70-130	3.81	25
2-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	5.29	25
4-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	4.77	25
1,2-Dibromo-3-chloropropane	16.1		µg/l		20.0		80.5	70-130	0.619	25
Dibromochloromethane	16.7		µg/l		20.0		83.5	70-130	1.78	50
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130	0.985	25
Dibromomethane	19.3		µg/l		20.0		96.5	70-130	0.00	25
1,2-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130	2.51	25
1,3-Dichlorobenzene	19.6		µg/l		20.0		98.0	70-130	4.00	25
1,4-Dichlorobenzene	19.4		µg/l		20.0		97.0	70-130	5.03	25
Dichlorodifluoromethane (Freon12)	20.2		µg/l		20.0		101	70-130	2.93	50
1,1-Dichloroethane	18.6		µg/l		20.0		93.0	70-130	3.17	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
1,2-Dichloroethane	19.6		µg/l		20.0		98.0	70-130	1.02	25
1,1-Dichloroethene	19.5		µg/l		20.0		97.5	70-130	3.53	25
cis-1,2-Dichloroethene	19.4		µg/l		20.0		97.0	70-130	4.04	25
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	70-130	6.32	25
1,2-Dichloropropane	18.6		µg/l		20.0		93.0	70-130	5.24	25
1,3-Dichloropropane	19.3		µg/l		20.0		96.5	70-130	0.517	25
2,2-Dichloropropane	19.4		µg/l		20.0		97.0	70-130	5.03	25
1,1-Dichloropropene	19.3		µg/l		20.0		96.5	70-130	7.48	25
cis-1,3-Dichloropropene	18.2		µg/l		20.0		91.0	70-130	4.83	25
trans-1,3-Dichloropropene	18.6		µg/l		20.0		93.0	70-130	1.07	25
Ethylbenzene	18.3		µg/l		20.0		91.5	70-130	5.32	25
Hexachlorobutadiene	18.4		µg/l		20.0		92.0	70-130	1.09	50
2-Hexanone (MBK)	14.8		µg/l		20.0		74.0	70-130	4.14	25
Isopropylbenzene	17.9		µg/l		20.0		89.5	70-130	5.96	25
4-Isopropyltoluene	20.1		µg/l		20.0		100	70-130	5.83	25
Methyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130	0.525	25
4-Methyl-2-pentanone (MIBK)	16.0		µg/l		20.0		80.0	70-130	0.627	50
Methylene chloride	18.4		µg/l		20.0		92.0	70-130	4.26	25
Naphthalene	18.4		µg/l		20.0		92.0	70-130	1.64	25
n-Propylbenzene	18.6		µg/l		20.0		93.0	70-130	5.74	25
Styrene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,1,1,2-Tetrachloroethane	18.4		µg/l		20.0		92.0	70-130	3.73	25
1,1,2,2-Tetrachloroethane	18.0		µg/l		20.0		90.0	70-130	0.554	25
Tetrachloroethene	20.8		µg/l		20.0		104	70-130	3.77	25
Toluene	17.9		µg/l		20.0		89.5	70-130	4.90	25
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97.0	70-130	1.53	25
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130	2.99	25
1,1,1-Trichloroethane	18.4		µg/l		20.0		92.0	70-130	5.29	25
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
Trichloroethene	18.5		µg/l		20.0		92.5	70-130	6.79	25
Trichlorofluoromethane (Freon 11)	20.5		µg/l		20.0		102	70-130	3.85	50
1,2,3-Trichloropropane	21.1		µg/l		20.0		106	70-130	1.87	25
1,2,4-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,3,5-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.60	25
Vinyl chloride	24.9		µg/l		20.0		124	70-130	19.5	25
m,p-Xylene	36.8		µg/l		40.0		92.0	70-130	5.08	25
o-Xylene	18.9		µg/l		20.0		94.5	70-130	3.64	25
Tetrahydrofuran	14.6		µg/l		20.0		73.0	70-130	9.77	25
Ethyl ether	20.3		µg/l		20.0		102	70-130	0.00	50
Tert-amyl methyl ether	19.3		µg/l		20.0		96.5	70-130	1.03	25
Ethyl tert-butyl ether	18.9		µg/l		20.0		94.5	70-130	1.05	25
Di-isopropyl ether	16.8		µg/l		20.0		84.0	70-130	1.77	25
Tert-Butanol / butyl alcohol	167		µg/l		200		83.5	70-130	0.601	25
1,4-Dioxane	183		µg/l		200		91.5	70-130	6.35	25
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike (6091446-MS1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	20.6		µg/l		20.0	BRL	103	70-130		
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Matrix Spike (6091446-MS1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
1,1-Dichloroethene	18.2		µg/l		20.0	BRL	91.0	70-130		
Toluene	20.5		µg/l		20.0	BRL	102	70-130		
Trichloroethene	20.5		µg/l		20.0	BRL	102	70-130		
Surrogate: 4-Bromofluorobenzene	*47.9*		µg/l		*50.0*		*95.8*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Matrix Spike Dup (6091446-MSD1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	19.0		µg/l		20.0	BRL	95.0	70-130	8.08	30
Chlorobenzene	19.9		µg/l		20.0	BRL	99.5	70-130	8.19	30
1,1-Dichloroethene	16.2		µg/l		20.0	BRL	81.0	70-130	11.6	30
Toluene	19.0		µg/l		20.0	BRL	95.0	70-130	7.11	30
Trichloroethene	18.9		µg/l		20.0	BRL	94.5	70-130	7.63	30
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Batch 6091494 - SW846 5030 Water MS										
Blank (6091494-BLK1)										
Prepared & Analyzed: 22-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091494 - SW846 5030 Water MS										
Blank (6091494-BLK1)										
Prepared & Analyzed: 22-Sep-06										
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/l		*50.0*		*94.2*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Dibromofluoromethane	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
LCS (6091494-BS1)										
Prepared & Analyzed: 22-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.5		µg/l		20.0		97.5	70-130		
Acetone	19.4		µg/l		20.0		97.0	28.5-162		
Acrylonitrile	18.7		µg/l		20.0		93.5	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091494 - SW846 5030 Water MS										
LCS (6091494-BS1)										
Prepared & Analyzed: 22-Sep-06										
Benzene	19.4		µg/l		20.0		97.0	70-130		
Bromobenzene	20.9		µg/l		20.0		104	70-130		
Bromochloromethane	19.4		µg/l		20.0		97.0	70-130		
Bromodichloromethane	19.2		µg/l		20.0		96.0	70-130		
Bromoform	14.0		µg/l		20.0		70.0	70-130		
Bromomethane	20.7		µg/l		20.0		104	43.9-144		
2-Butanone (MEK)	15.4		µg/l		20.0		77.0	46.8-144		
n-Butylbenzene	20.5		µg/l		20.0		102	70-130		
sec-Butylbenzene	19.9		µg/l		20.0		99.5	70-130		
tert-Butylbenzene	20.2		µg/l		20.0		101	70-130		
Carbon disulfide	18.0		µg/l		20.0		90.0	70-130		
Carbon tetrachloride	17.8		µg/l		20.0		89.0	70-130		
Chlorobenzene	19.8		µg/l		20.0		99.0	70-130		
Chloroethane	19.0		µg/l		20.0		95.0	55.2-136		
Chloroform	20.6		µg/l		20.0		103	70-130		
Chloromethane	18.4		µg/l		20.0		92.0	70-130		
2-Chlorotoluene	19.9		µg/l		20.0		99.5	70-130		
4-Chlorotoluene	19.9		µg/l		20.0		99.5	70-130		
1,2-Dibromo-3-chloropropane	16.0		µg/l		20.0		80.0	70-130		
Dibromochloromethane	17.0		µg/l		20.0		85.0	67.9-128		
1,2-Dibromoethane (EDB)	19.3		µg/l		20.0		96.5	70-130		
Dibromomethane	18.6		µg/l		20.0		93.0	70-130		
1,2-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
1,3-Dichlorobenzene	21.1		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	19.9		µg/l		20.0		99.5	70-130		
Dichlorodifluoromethane (Freon12)	20.8		µg/l		20.0		104	40.8-172		
1,1-Dichloroethane	19.3		µg/l		20.0		96.5	70-130		
1,2-Dichloroethane	19.1		µg/l		20.0		95.5	70-130		
1,1-Dichloroethene	18.7		µg/l		20.0		93.5	70-130		
cis-1,2-Dichloroethene	19.8		µg/l		20.0		99.0	70-130		
trans-1,2-Dichloroethene	19.4		µg/l		20.0		97.0	70-130		
1,2-Dichloropropane	19.8		µg/l		20.0		99.0	70-130		
1,3-Dichloropropane	19.1		µg/l		20.0		95.5	70-130		
2,2-Dichloropropane	20.2		µg/l		20.0		101	70-130		
1,1-Dichloropropene	19.9		µg/l		20.0		99.5	70-130		
cis-1,3-Dichloropropene	18.8		µg/l		20.0		94.0	70-130		
trans-1,3-Dichloropropene	18.3		µg/l		20.0		91.5	70-130		
Ethylbenzene	19.8		µg/l		20.0		99.0	70-130		
Hexachlorobutadiene	18.2		µg/l		20.0		91.0	66.3-135		
2-Hexanone (MBK)	13.4	QC-2	µg/l		20.0		67.0	70-130		
Isopropylbenzene	19.2		µg/l		20.0		96.0	70-130		
4-Isopropyltoluene	20.4		µg/l		20.0		102	70-130		
Methyl tert-butyl ether	18.1		µg/l		20.0		90.5	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/l		20.0		76.0	48.6-137		
Methylene chloride	19.1		µg/l		20.0		95.5	70-130		
Naphthalene	16.5		µg/l		20.0		82.5	70-130		
n-Propylbenzene	20.2		µg/l		20.0		101	70-130		
Styrene	20.5		µg/l		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/l		20.0		98.0	70-130		
1,1,2,2-Tetrachloroethane	18.7		µg/l		20.0		93.5	70-130		
Tetrachloroethene	20.5		µg/l		20.0		102	70-130		
Toluene	18.5		µg/l		20.0		92.5	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091494 - SW846 5030 Water MS										
LCS (6091494-BS1)										
Prepared & Analyzed: 22-Sep-06										
1,2,3-Trichlorobenzene	18.6		µg/l		20.0		93.0	70-130		
1,2,4-Trichlorobenzene	19.6		µg/l		20.0		98.0	70-130		
1,1,1-Trichloroethane	18.6		µg/l		20.0		93.0	70-130		
1,1,2-Trichloroethane	20.0		µg/l		20.0		100	70-130		
Trichloroethene	19.9		µg/l		20.0		99.5	70-130		
Trichlorofluoromethane (Freon 11)	20.0		µg/l		20.0		100	57.3-141		
1,2,3-Trichloropropane	21.4		µg/l		20.0		107	70-130		
1,2,4-Trimethylbenzene	20.3		µg/l		20.0		102	70-130		
1,3,5-Trimethylbenzene	20.2		µg/l		20.0		101	70-130		
Vinyl chloride	22.3		µg/l		20.0		112	70-130		
m,p-Xylene	39.7		µg/l		40.0		99.2	70-130		
o-Xylene	20.4		µg/l		20.0		102	70-130		
Tetrahydrofuran	15.8		µg/l		20.0		79.0	70-130		
Ethyl ether	18.9		µg/l		20.0		94.5	61.2-127		
Tert-amyl methyl ether	19.2		µg/l		20.0		96.0	70-130		
Ethyl tert-butyl ether	18.4		µg/l		20.0		92.0	70-130		
Di-isopropyl ether	17.0		µg/l		20.0		85.0	70-130		
Tert-Butanol / butyl alcohol	155		µg/l		200		77.5	70-130		
1,4-Dioxane	183		µg/l		200		91.5	43.3-143		
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.3*		µg/l		*50.0*		*96.6*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
LCS Dup (6091494-BSD1)										
Prepared & Analyzed: 22-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.7		µg/l		20.0		83.5	70-130	15.5	25
Acetone	19.3		µg/l		20.0		96.5	28.5-162	0.517	50
Acrylonitrile	18.1		µg/l		20.0		90.5	70-130	3.26	25
Benzene	18.1		µg/l		20.0		90.5	70-130	6.93	25
Bromobenzene	18.9		µg/l		20.0		94.5	70-130	9.57	25
Bromochloromethane	18.4		µg/l		20.0		92.0	70-130	5.29	25
Bromodichloromethane	18.5		µg/l		20.0		92.5	70-130	3.71	25
Bromoform	13.3	QC-1	µg/l		20.0		66.5	70-130	5.13	25
Bromomethane	18.1		µg/l		20.0		90.5	43.9-144	13.9	50
2-Butanone (MEK)	15.8		µg/l		20.0		79.0	46.8-144	2.56	50
n-Butylbenzene	19.1		µg/l		20.0		95.5	70-130	6.58	25
sec-Butylbenzene	17.9		µg/l		20.0		89.5	70-130	10.6	25
tert-Butylbenzene	18.0		µg/l		20.0		90.0	70-130	11.5	25
Carbon disulfide	16.0		µg/l		20.0		80.0	70-130	11.8	25
Carbon tetrachloride	16.1		µg/l		20.0		80.5	70-130	10.0	25
Chlorobenzene	17.9		µg/l		20.0		89.5	70-130	10.1	25
Chloroethane	17.6		µg/l		20.0		88.0	55.2-136	7.65	50
Chloroform	19.2		µg/l		20.0		96.0	70-130	7.04	25
Chloromethane	17.1		µg/l		20.0		85.5	70-130	7.32	25
2-Chlorotoluene	18.0		µg/l		20.0		90.0	70-130	10.0	25
4-Chlorotoluene	18.0		µg/l		20.0		90.0	70-130	10.0	25
1,2-Dibromo-3-chloropropane	15.1		µg/l		20.0		75.5	70-130	5.79	25
Dibromochloromethane	16.3		µg/l		20.0		81.5	67.9-128	4.20	50
1,2-Dibromoethane (EDB)	19.0		µg/l		20.0		95.0	70-130	1.57	25
Dibromomethane	18.6		µg/l		20.0		93.0	70-130	0.00	25
1,2-Dichlorobenzene	18.9		µg/l		20.0		94.5	70-130	4.15	25
1,3-Dichlorobenzene	19.2		µg/l		20.0		96.0	70-130	9.90	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091494 - SW846 5030 Water MS										
LCS Dup (6091494-BSD1)										
Prepared & Analyzed: 22-Sep-06										
1,4-Dichlorobenzene	18.9		µg/l		20.0		94.5	70-130	5.15	25
Dichlorodifluoromethane (Freon12)	17.7		µg/l		20.0		88.5	40.8-172	16.1	50
1,1-Dichloroethane	18.1		µg/l		20.0		90.5	70-130	6.42	25
1,2-Dichloroethane	18.7		µg/l		20.0		93.5	70-130	2.12	25
1,1-Dichloroethene	16.9		µg/l		20.0		84.5	70-130	10.1	25
cis-1,2-Dichloroethene	18.8		µg/l		20.0		94.0	70-130	5.18	25
trans-1,2-Dichloroethene	17.8		µg/l		20.0		89.0	70-130	8.60	25
1,2-Dichloropropane	18.8		µg/l		20.0		94.0	70-130	5.18	25
1,3-Dichloropropane	18.6		µg/l		20.0		93.0	70-130	2.65	25
2,2-Dichloropropane	18.2		µg/l		20.0		91.0	70-130	10.4	25
1,1-Dichloropropene	18.4		µg/l		20.0		92.0	70-130	7.83	25
cis-1,3-Dichloropropene	18.0		µg/l		20.0		90.0	70-130	4.35	25
trans-1,3-Dichloropropene	17.7		µg/l		20.0		88.5	70-130	3.33	25
Ethylbenzene	17.6		µg/l		20.0		88.0	70-130	11.8	25
Hexachlorobutadiene	18.8		µg/l		20.0		94.0	66.3-135	3.24	50
2-Hexanone (MBK)	12.9	QC-2	µg/l		20.0		64.5	70-130	3.80	25
Isopropylbenzene	17.1		µg/l		20.0		85.5	70-130	11.6	25
4-Isopropyltoluene	19.1		µg/l		20.0		95.5	70-130	6.58	25
Methyl tert-butyl ether	17.5		µg/l		20.0		87.5	70-130	3.37	25
4-Methyl-2-pentanone (MIBK)	15.3		µg/l		20.0		76.5	48.6-137	0.656	50
Methylene chloride	18.0		µg/l		20.0		90.0	70-130	5.93	25
Naphthalene	16.7		µg/l		20.0		83.5	70-130	1.20	25
n-Propylbenzene	17.9		µg/l		20.0		89.5	70-130	12.1	25
Styrene	18.6		µg/l		20.0		93.0	70-130	9.23	25
1,1,1,2-Tetrachloroethane	17.8		µg/l		20.0		89.0	70-130	9.63	25
1,1,2,2-Tetrachloroethane	17.4		µg/l		20.0		87.0	70-130	7.20	25
Tetrachloroethene	19.3		µg/l		20.0		96.5	70-130	5.54	25
Toluene	17.6		µg/l		20.0		88.0	70-130	4.99	25
1,2,3-Trichlorobenzene	17.9		µg/l		20.0		89.5	70-130	3.84	25
1,2,4-Trichlorobenzene	18.9		µg/l		20.0		94.5	70-130	3.64	25
1,1,1-Trichloroethane	17.1		µg/l		20.0		85.5	70-130	8.40	25
1,1,2-Trichloroethane	19.5		µg/l		20.0		97.5	70-130	2.53	25
Trichloroethene	17.8		µg/l		20.0		89.0	70-130	11.1	25
Trichlorofluoromethane (Freon 11)	18.0		µg/l		20.0		90.0	57.3-141	10.5	50
1,2,3-Trichloropropane	20.4		µg/l		20.0		102	70-130	4.78	25
1,2,4-Trimethylbenzene	18.5		µg/l		20.0		92.5	70-130	9.77	25
1,3,5-Trimethylbenzene	18.5		µg/l		20.0		92.5	70-130	8.79	25
Vinyl chloride	23.0		µg/l		20.0		115	70-130	2.64	25
m,p-Xylene	35.4		µg/l		40.0		88.5	70-130	11.4	25
o-Xylene	18.6		µg/l		20.0		93.0	70-130	9.23	25
Tetrahydrofuran	15.3		µg/l		20.0		76.5	70-130	3.22	25
Ethyl ether	18.5		µg/l		20.0		92.5	61.2-127	2.14	50
Tert-amyl methyl ether	18.7		µg/l		20.0		93.5	70-130	2.64	25
Ethyl tert-butyl ether	17.8		µg/l		20.0		89.0	70-130	3.31	25
Di-isopropyl ether	16.3		µg/l		20.0		81.5	70-130	4.20	25
Tert-Butanol / butyl alcohol	157		µg/l		200		78.5	70-130	1.28	25
1,4-Dioxane	191		µg/l		200		95.5	43.3-143	4.28	25
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/l		*50.0*		*95.6*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/l		*50.0*		*97.6*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		

Matrix Spike (6091494-MS1) **Source: SA51110-03RE2**

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091494 - SW846 5030 Water MS										
Prepared & Analyzed: 22-Sep-06										
Benzene	17.4		µg/l		20.0	BRL	87.0	70-130		
Chlorobenzene	18.2		µg/l		20.0	BRL	91.0	70-130		
1,1-Dichloroethene	15.3		µg/l		20.0	BRL	76.5	70-130		
Toluene	17.3		µg/l		20.0	BRL	86.5	70-130		
Trichloroethene	17.5		µg/l		20.0	BRL	87.5	70-130		
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike Dup (6091494-MSD1) **Source: SA51110-03RE2**										
Prepared & Analyzed: 22-Sep-06										
Benzene	18.6		µg/l		20.0	BRL	93.0	70-130	6.67	30
Chlorobenzene	20.4		µg/l		20.0	BRL	102	70-130	11.4	30
1,1-Dichloroethene	15.7		µg/l		20.0	BRL	78.5	70-130	2.58	30
Toluene	18.9		µg/l		20.0	BRL	94.5	70-130	8.84	30
Trichloroethene	18.8		µg/l		20.0	BRL	94.0	70-130	7.16	30
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Batch 6091623 - SW846 5030 Water MS										
Blank (6091623-BLK1)										
Prepared & Analyzed: 25-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091623 - SW846 5030 Water MS										
Blank (6091623-BLK1)										
Prepared & Analyzed: 25-Sep-06										
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*27.0*		µg/l		*30.0*		*90.0*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.2*		µg/l		*30.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*34.6*		µg/l		*30.0*		*115*	*70-130*		
LCS (6091623-BS1)										
Prepared & Analyzed: 25-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.1		µg/l		20.0		80.5	70-130		
Acetone	15.0		µg/l		20.0		75.0	28.5-162		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091623 - SW846 5030 Water MS										
LCS (6091623-BS1)										
Prepared & Analyzed: 25-Sep-06										
Acrylonitrile	14.3		µg/l		20.0		71.5	70-130		
Benzene	17.0		µg/l		20.0		85.0	70-130		
Bromobenzene	17.2		µg/l		20.0		86.0	70-130		
Bromochloromethane	21.6		µg/l		20.0		108	70-130		
Bromodichloromethane	20.4		µg/l		20.0		102	70-130		
Bromoform	18.7		µg/l		20.0		93.5	70-130		
Bromomethane	14.6		µg/l		20.0		73.0	43.9-144		
2-Butanone (MEK)	19.6		µg/l		20.0		98.0	46.8-144		
n-Butylbenzene	17.7		µg/l		20.0		88.5	70-130		
sec-Butylbenzene	16.0		µg/l		20.0		80.0	70-130		
tert-Butylbenzene	16.9		µg/l		20.0		84.5	70-130		
Carbon disulfide	16.8		µg/l		20.0		84.0	70-130		
Carbon tetrachloride	22.1		µg/l		20.0		110	70-130		
Chlorobenzene	17.3		µg/l		20.0		86.5	70-130		
Chloroethane	15.2		µg/l		20.0		76.0	55.2-136		
Chloroform	21.5		µg/l		20.0		108	70-130		
Chloromethane	13.0	QC-2	µg/l		20.0		65.0	70-130		
2-Chlorotoluene	16.4		µg/l		20.0		82.0	70-130		
4-Chlorotoluene	16.2		µg/l		20.0		81.0	70-130		
1,2-Dibromo-3-chloropropane	17.7		µg/l		20.0		88.5	70-130		
Dibromochloromethane	19.8		µg/l		20.0		99.0	67.9-128		
1,2-Dibromoethane (EDB)	17.9		µg/l		20.0		89.5	70-130		
Dibromomethane	18.9		µg/l		20.0		94.5	70-130		
1,2-Dichlorobenzene	19.4		µg/l		20.0		97.0	70-130		
1,3-Dichlorobenzene	16.2		µg/l		20.0		81.0	70-130		
1,4-Dichlorobenzene	18.6		µg/l		20.0		93.0	70-130		
Dichlorodifluoromethane (Freon12)	18.6		µg/l		20.0		93.0	40.8-172		
1,1-Dichloroethane	17.9		µg/l		20.0		89.5	70-130		
1,2-Dichloroethane	20.3		µg/l		20.0		102	70-130		
1,1-Dichloroethene	15.3		µg/l		20.0		76.5	70-130		
cis-1,2-Dichloroethene	20.0		µg/l		20.0		100	70-130		
trans-1,2-Dichloroethene	18.8		µg/l		20.0		94.0	70-130		
1,2-Dichloropropane	15.6		µg/l		20.0		78.0	70-130		
1,3-Dichloropropane	16.5		µg/l		20.0		82.5	70-130		
2,2-Dichloropropane	18.6		µg/l		20.0		93.0	70-130		
1,1-Dichloropropene	18.8		µg/l		20.0		94.0	70-130		
cis-1,3-Dichloropropene	17.6		µg/l		20.0		88.0	70-130		
trans-1,3-Dichloropropene	17.4		µg/l		20.0		87.0	70-130		
Ethylbenzene	16.8		µg/l		20.0		84.0	70-130		
Hexachlorobutadiene	20.8		µg/l		20.0		104	66.3-135		
2-Hexanone (MBK)	7.9	QC-2	µg/l		20.0		39.5	70-130		
Isopropylbenzene	16.3		µg/l		20.0		81.5	70-130		
4-Isopropyltoluene	20.1		µg/l		20.0		100	70-130		
Methyl tert-butyl ether	17.7		µg/l		20.0		88.5	70-130		
4-Methyl-2-pentanone (MIBK)	11.4		µg/l		20.0		57.0	48.6-137		
Methylene chloride	14.8		µg/l		20.0		74.0	70-130		
Naphthalene	19.1		µg/l		20.0		95.5	70-130		
n-Propylbenzene	15.7		µg/l		20.0		78.5	70-130		
Styrene	17.0		µg/l		20.0		85.0	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/l		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	14.0		µg/l		20.0		70.0	70-130		
Tetrachloroethene	17.9		µg/l		20.0		89.5	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091623 - SW846 5030 Water MS										
LCS (6091623-BS1)										
Prepared & Analyzed: 25-Sep-06										
Toluene	15.7		µg/l		20.0		78.5	70-130		
1,2,3-Trichlorobenzene	19.0		µg/l		20.0		95.0	70-130		
1,2,4-Trichlorobenzene	17.7		µg/l		20.0		88.5	70-130		
1,1,1-Trichloroethane	21.3		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	17.3		µg/l		20.0		86.5	70-130		
Trichloroethene	19.4		µg/l		20.0		97.0	70-130		
Trichlorofluoromethane (Freon 11)	19.4		µg/l		20.0		97.0	57.3-141		
1,2,3-Trichloropropane	15.6		µg/l		20.0		78.0	70-130		
1,2,4-Trimethylbenzene	16.1		µg/l		20.0		80.5	70-130		
1,3,5-Trimethylbenzene	16.3		µg/l		20.0		81.5	70-130		
Vinyl chloride	17.7		µg/l		20.0		88.5	70-130		
m,p-Xylene	31.2		µg/l		40.0		78.0	70-130		
o-Xylene	16.6		µg/l		20.0		83.0	70-130		
Tetrahydrofuran	15.7		µg/l		20.0		78.5	70-130		
Ethyl ether	14.1		µg/l		20.0		70.5	61.2-127		
Tert-amyl methyl ether	14.9		µg/l		20.0		74.5	70-130		
Ethyl tert-butyl ether	15.8		µg/l		20.0		79.0	70-130		
Di-isopropyl ether	13.4	QC-1	µg/l		20.0		67.0	70-130		
Tert-Butanol / butyl alcohol	149		µg/l		200		74.5	70-130		
1,4-Dioxane	147		µg/l		200		73.5	43.3-143		
Surrogate: 4-Bromofluorobenzene	*26.6*		µg/l		*30.0*		*88.7*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/l		*30.0*		*95.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*35.0*		µg/l		*30.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*35.7*		µg/l		*30.0*		*119*	*70-130*		
LCS Dup (6091623-BSD1)										
Prepared & Analyzed: 25-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	15.1		µg/l		20.0		75.5	70-130	6.41	25
Acetone	14.8		µg/l		20.0		74.0	28.5-162	1.34	50
Acrylonitrile	17.3		µg/l		20.0		86.5	70-130	19.0	25
Benzene	16.5		µg/l		20.0		82.5	70-130	2.99	25
Bromobenzene	17.0		µg/l		20.0		85.0	70-130	1.17	25
Bromochloromethane	22.4		µg/l		20.0		112	70-130	3.64	25
Bromodichloromethane	21.1		µg/l		20.0		106	70-130	3.85	25
Bromoform	19.3		µg/l		20.0		96.5	70-130	3.16	25
Bromomethane	17.1		µg/l		20.0		85.5	43.9-144	15.8	50
2-Butanone (MEK)	24.2		µg/l		20.0		121	46.8-144	21.0	50
n-Butylbenzene	15.2		µg/l		20.0		76.0	70-130	15.2	25
sec-Butylbenzene	14.4		µg/l		20.0		72.0	70-130	10.5	25
tert-Butylbenzene	15.4		µg/l		20.0		77.0	70-130	9.29	25
Carbon disulfide	16.6		µg/l		20.0		83.0	70-130	1.20	25
Carbon tetrachloride	20.2		µg/l		20.0		101	70-130	8.53	25
Chlorobenzene	16.9		µg/l		20.0		84.5	70-130	2.34	25
Chloroethane	14.1		µg/l		20.0		70.5	55.2-136	7.51	50
Chloroform	21.5		µg/l		20.0		108	70-130	0.00	25
Chloromethane	13.3	QC-2	µg/l		20.0		66.5	70-130	2.28	25
2-Chlorotoluene	15.5		µg/l		20.0		77.5	70-130	5.64	25
4-Chlorotoluene	15.9		µg/l		20.0		79.5	70-130	1.87	25
1,2-Dibromo-3-chloropropane	17.6		µg/l		20.0		88.0	70-130	0.567	25
Dibromochloromethane	20.9		µg/l		20.0		104	67.9-128	4.93	50
1,2-Dibromoethane (EDB)	19.6		µg/l		20.0		98.0	70-130	9.07	25
Dibromomethane	20.6		µg/l		20.0		103	70-130	8.61	25
1,2-Dichlorobenzene	18.9		µg/l		20.0		94.5	70-130	2.61	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091623 - SW846 5030 Water MS										
LCS Dup (6091623-BSD1)										
Prepared & Analyzed: 25-Sep-06										
1,3-Dichlorobenzene	16.2		µg/l		20.0		81.0	70-130	0.00	25
1,4-Dichlorobenzene	17.6		µg/l		20.0		88.0	70-130	5.52	25
Dichlorodifluoromethane (Freon12)	14.7		µg/l		20.0		73.5	40.8-172	23.4	50
1,1-Dichloroethane	17.0		µg/l		20.0		85.0	70-130	5.16	25
1,2-Dichloroethane	22.0		µg/l		20.0		110	70-130	7.55	25
1,1-Dichloroethene	15.2		µg/l		20.0		76.0	70-130	0.656	25
cis-1,2-Dichloroethene	20.3		µg/l		20.0		102	70-130	1.98	25
trans-1,2-Dichloroethene	17.9		µg/l		20.0		89.5	70-130	4.90	25
1,2-Dichloropropane	15.9		µg/l		20.0		79.5	70-130	1.90	25
1,3-Dichloropropane	18.3		µg/l		20.0		91.5	70-130	10.3	25
2,2-Dichloropropane	17.3		µg/l		20.0		86.5	70-130	7.24	25
1,1-Dichloropropene	17.2		µg/l		20.0		86.0	70-130	8.89	25
cis-1,3-Dichloropropene	18.6		µg/l		20.0		93.0	70-130	5.52	25
trans-1,3-Dichloropropene	19.4		µg/l		20.0		97.0	70-130	10.9	25
Ethylbenzene	15.4		µg/l		20.0		77.0	70-130	8.70	25
Hexachlorobutadiene	17.9		µg/l		20.0		89.5	66.3-135	15.0	50
2-Hexanone (MBK)	9.3	QC-2	µg/l		20.0		46.5	70-130	16.3	25
Isopropylbenzene	14.8		µg/l		20.0		74.0	70-130	9.65	25
4-Isopropyltoluene	17.2		µg/l		20.0		86.0	70-130	15.1	25
Methyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130	7.61	25
4-Methyl-2-pentanone (MIBK)	11.7		µg/l		20.0		58.5	48.6-137	2.60	50
Methylene chloride	14.6		µg/l		20.0		73.0	70-130	1.36	25
Naphthalene	19.2		µg/l		20.0		96.0	70-130	0.522	25
n-Propylbenzene	14.7		µg/l		20.0		73.5	70-130	6.58	25
Styrene	16.7		µg/l		20.0		83.5	70-130	1.78	25
1,1,1,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130	4.83	25
1,1,2,2-Tetrachloroethane	13.7	QC-1	µg/l		20.0		68.5	70-130	2.17	25
Tetrachloroethene	16.2		µg/l		20.0		81.0	70-130	9.97	25
Toluene	14.8		µg/l		20.0		74.0	70-130	5.90	25
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97.0	70-130	2.08	25
1,2,4-Trichlorobenzene	17.8		µg/l		20.0		89.0	70-130	0.563	25
1,1,1-Trichloroethane	20.4		µg/l		20.0		102	70-130	3.85	25
1,1,2-Trichloroethane	19.0		µg/l		20.0		95.0	70-130	9.37	25
Trichloroethene	19.9		µg/l		20.0		99.5	70-130	2.54	25
Trichlorofluoromethane (Freon 11)	16.3		µg/l		20.0		81.5	57.3-141	17.4	50
1,2,3-Trichloropropane	16.5		µg/l		20.0		82.5	70-130	5.61	25
1,2,4-Trimethylbenzene	15.4		µg/l		20.0		77.0	70-130	4.44	25
1,3,5-Trimethylbenzene	15.3		µg/l		20.0		76.5	70-130	6.33	25
Vinyl chloride	14.6		µg/l		20.0		73.0	70-130	19.2	25
m,p-Xylene	29.2		µg/l		40.0		73.0	70-130	6.62	25
o-Xylene	16.0		µg/l		20.0		80.0	70-130	3.68	25
Tetrahydrofuran	17.4		µg/l		20.0		87.0	70-130	10.3	25
Ethyl ether	15.3		µg/l		20.0		76.5	61.2-127	8.16	50
Tert-amyl methyl ether	15.5		µg/l		20.0		77.5	70-130	3.95	25
Ethyl tert-butyl ether	16.7		µg/l		20.0		83.5	70-130	5.54	25
Di-isopropyl ether	14.2		µg/l		20.0		71.0	70-130	5.80	25
Tert-Butanol / butyl alcohol	142		µg/l		200		71.0	70-130	4.81	25
1,4-Dioxane	155		µg/l		200		77.5	43.3-143	5.30	25
Surrogate: 4-Bromofluorobenzene	*27.1*		µg/l		*30.0*		*90.3*	*70-130*		
Surrogate: Toluene-d8	*28.3*		µg/l		*30.0*		*94.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*38.9*		µg/l		*30.0*		*130*	*70-130*		
Surrogate: Dibromofluoromethane	*38.4*		µg/l		*30.0*		*128*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091623 - SW846 5030 Water MS										
Matrix Spike (6091623-MS1)	**Source: SA51110-03**									
Prepared & Analyzed: 25-Sep-06										
Benzene	29.8		µg/l		20.0	BRL	149	70-130		
Chlorobenzene	29.6		µg/l		20.0	BRL	148	70-130		
1,1-Dichloroethene	28.5		µg/l		20.0	BRL	142	70-130		
Toluene	26.4		µg/l		20.0	BRL	132	70-130		
Trichloroethene	34.1		µg/l		20.0	BRL	170	70-130		
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/l		*30.0*		*86.7*	*70-130*		
Surrogate: Toluene-d8	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.9*		µg/l		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*35.4*		µg/l		*30.0*		*118*	*70-130*		
Matrix Spike Dup (6091623-MSD1)	**Source: SA51110-03**									
Prepared & Analyzed: 25-Sep-06										
Benzene	31.0		µg/l		20.0	BRL	155	70-130	3.95	30
Chlorobenzene	30.7		µg/l		20.0	BRL	154	70-130	3.97	30
1,1-Dichloroethene	28.9		µg/l		20.0	BRL	144	70-130	1.40	30
Toluene	28.1		µg/l		20.0	BRL	140	70-130	5.88	30
Trichloroethene	34.5		µg/l		20.0	BRL	172	70-130	1.17	30
Surrogate: 4-Bromofluorobenzene	*26.6*		µg/l		*30.0*		*88.7*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.9*		µg/l		*30.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*36.4*		µg/l		*30.0*		*121*	*70-130*		

Organic Compounds by Modified SW846 8015 - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091255 - SW846 8015 Mod.										
Blank (6091255-BLK1)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
n-Butyl alcohol	BRL	U	mg/l	1.00						
Methanol	BRL	U	mg/l	1.00						
Isopropyl alcohol	BRL	U	mg/l	1.00						
Ethanol	BRL	U	mg/l	1.00						
Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00						
n-Propanol	BRL	U	mg/l	1.00						
Isobutanol	BRL	U	mg/l	1.00						
LCS (6091255-BS1)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
n-Butyl alcohol	65.9		mg/l	1.00	100		65.9	40-140		
Methanol	81.7		mg/l	1.00	100		81.7	40-140		
Isopropyl alcohol	83.3		mg/l	1.00	100		83.3	40-140		
Ethanol	76.5		mg/l	1.00	100		76.5	40-140		
Tert-Butanol / butyl alcohol	71.7		mg/l	1.00	100		71.7	40-140		
n-Propanol	83.2		mg/l	1.00	100		83.2	40-140		
Isobutanol	81.2		mg/l	1.00	100		81.2	40-140		
Duplicate (6091255-DUP1)	**Source: SA50883-02**									
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Ethanol	BRL	U	mg/l	1.00		BRL				200

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091167 - SW846 3510C										
Blank (6091167-BLK1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Naphthalene	BRL	U	µg/l	2.91						
2-Methylnaphthalene	BRL	U	µg/l	2.91						
Acenaphthylene	BRL	U	µg/l	2.91						
Acenaphthene	BRL	U	µg/l	2.91						
Fluorene	BRL	U	µg/l	2.91						
Phenanthrene	BRL	U	µg/l	2.91						
Anthracene	BRL	U	µg/l	2.91						
Fluoranthene	BRL	U	µg/l	2.91						
Pyrene	BRL	U	µg/l	2.91						
Benzo (a) anthracene	BRL	U	µg/l	2.91						
Chrysene	BRL	U	µg/l	2.91						
Benzo (b) fluoranthene	BRL	U	µg/l	2.91						
Benzo (k) fluoranthene	BRL	U	µg/l	2.91						
Benzo (a) pyrene	BRL	U	µg/l	2.91						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	2.91						
Dibenzo (a,h) anthracene	BRL	U	µg/l	2.91						
Benzo (g,h,i) perylene	BRL	U	µg/l	2.91						
n-Hexadecane	0.00	U	µg/l							
n-Tetradecane	0.00	U	µg/l							
n-Eicosane	0.00	U	µg/l							
n-Nonadecane	0.00	U	µg/l							
n-Octacosane	0.00	U	µg/l							
Naphthalene (aliphatic fraction)	0.00	U	µg/l							
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l							
Surrogate: 1-Chlorooctadecane	*45.5*		µg/l		*58.1*		*78.3*	*40-140*		
Surrogate: Ortho-Terphenyl	*36.9*		µg/l		*58.1*		*63.5*	*40-140*		
Surrogate: 2-Bromonaphthalene	*16.6*	S-GC	µg/l		*46.5*		*35.7*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.6*		µg/l		*46.5*		*68.0*	*40-140*		
LCS (6091167-BS1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.455		mg/l	0.2	0.789		57.7	40-140		
C19-C36 Aliphatic Hydrocarbons	0.651		mg/l	0.2	1.05		62.0	40-140		
C11-C22 Aromatic Hydrocarbons	1.78		mg/l	0.2	2.24		79.5	40-140		
Naphthalene	54.9		µg/l	3.29	132		41.6	40-140		
2-Methylnaphthalene	59.5		µg/l	3.29	132		45.1	40-140		
Acenaphthylene	69.4		µg/l	3.29	132		52.6	40-140		
Acenaphthene	71.2		µg/l	3.29	132		53.9	40-140		
Fluorene	81.0		µg/l	3.29	132		61.4	40-140		
Phenanthrene	95.0		µg/l	3.29	132		72.0	40-140		
Anthracene	97.5		µg/l	3.29	132		73.9	40-140		
Fluoranthene	113		µg/l	3.29	132		85.6	40-140		
Pyrene	113		µg/l	3.29	132		85.6	40-140		
Benzo (a) anthracene	114		µg/l	3.29	132		86.4	40-140		
Chrysene	116		µg/l	3.29	132		87.9	40-140		
Benzo (b) fluoranthene	111		µg/l	3.29	132		84.1	40-140		
Benzo (k) fluoranthene	116		µg/l	3.29	132		87.9	40-140		
Benzo (a) pyrene	115		µg/l	3.29	132		87.1	40-140		
Indeno (1,2,3-cd) pyrene	119		µg/l	3.29	132		90.2	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091167 - SW846 3510C										
LCS (6091167-BS1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Dibenzo (a,h) anthracene	112		µg/l	3.29	132		84.8	40-140		
Benzo (g,h,i) perylene	122		µg/l	3.29	132		92.4	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		132			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		132			0-200		
Surrogate: 1-Chlorooctadecane	*54.4*		µg/l		*65.8*		*82.7*	*40-140*		
Surrogate: Ortho-Terphenyl	*54.6*		µg/l		*65.8*		*83.0*	*40-140*		
Surrogate: 2-Bromonaphthalene	*33.8*		µg/l		*52.6*		*64.3*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*37.3*		µg/l		*52.6*		*70.9*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Fractionation Check Standard (6091167-BS2)										
Prepared: 19-Sep-06 Analyzed: 20-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.420		mg/l	0.2	0.600		70.0	40-140		
C19-C36 Aliphatic Hydrocarbons	0.512		mg/l	0.2	0.800		64.0	40-140		
C11-C22 Aromatic Hydrocarbons	1.51		mg/l	0.2	1.70		88.8	40-140		
Naphthalene	70.4		µg/l	2.50	100		70.4	40-140		
2-Methylnaphthalene	76.1		µg/l	2.50	100		76.1	40-140		
Acenaphthylene	80.4		µg/l	2.50	100		80.4	40-140		
Acenaphthene	81.4		µg/l	2.50	100		81.4	40-140		
Fluorene	84.4		µg/l	2.50	100		84.4	40-140		
Phenanthrene	85.6		µg/l	2.50	100		85.6	40-140		
Anthracene	80.6		µg/l	2.50	100		80.6	40-140		
Fluoranthene	89.2		µg/l	2.50	100		89.2	40-140		
Pyrene	89.2		µg/l	2.50	100		89.2	40-140		
Benzo (a) anthracene	92.5		µg/l	2.50	100		92.5	40-140		
Chrysene	86.4		µg/l	2.50	100		86.4	40-140		
Benzo (b) fluoranthene	98.3		µg/l	2.50	100		98.3	40-140		
Benzo (k) fluoranthene	85.7		µg/l	2.50	100		85.7	40-140		
Benzo (a) pyrene	88.8		µg/l	2.50	100		88.8	40-140		
Indeno (1,2,3-cd) pyrene	86.6		µg/l	2.50	100		86.6	40-140		
Dibenzo (a,h) anthracene	83.6		µg/l	2.50	100		83.6	40-140		
Benzo (g,h,i) perylene	85.7		µg/l	2.50	100		85.7	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*37.7*		µg/l		*50.0*		*75.4*	*40-140*		
Surrogate: Ortho-Terphenyl	*43.3*		µg/l		*50.0*		*86.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*17.8*		µg/l		*40.0*		*44.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*36.3*		µg/l		*40.0*		*90.8*	*40-140*		
LCS Dup (6091167-BSD1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.431		mg/l	0.2	0.750		57.5	40-140	0.347	25
C19-C36 Aliphatic Hydrocarbons	0.672		mg/l	0.2	1.00		67.2	40-140	8.05	25
C11-C22 Aromatic Hydrocarbons	1.66		mg/l	0.2	2.12		78.3	40-140	1.52	25
Naphthalene	66.9	QR-02	µg/l	3.12	125		53.5	40-140	25.0	20
2-Methylnaphthalene	71.4	QR-02	µg/l	3.12	125		57.1	40-140	23.5	20
Acenaphthylene	79.4		µg/l	3.12	125		63.5	40-140	18.8	20
Acenaphthene	80.3		µg/l	3.12	125		64.2	40-140	17.4	20
Fluorene	83.9		µg/l	3.12	125		67.1	40-140	8.87	20
Phenanthrene	90.2		µg/l	3.12	125		72.2	40-140	0.277	20
Anthracene	90.8		µg/l	3.12	125		72.6	40-140	1.77	20
Fluoranthene	101		µg/l	3.12	125		80.8	40-140	5.77	20
Pyrene	101		µg/l	3.12	125		80.8	40-140	5.77	20
Benzo (a) anthracene	106		µg/l	3.12	125		84.8	40-140	1.87	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091167 - SW846 3510C										
LCS Dup (6091167-BSD1)										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Chrysene	103		µg/l	3.12	125		82.4	40-140	6.46	20
Benzo (b) fluoranthene	96.7		µg/l	3.12	125		77.4	40-140	8.30	20
Benzo (k) fluoranthene	104		µg/l	3.12	125		83.2	40-140	5.49	20
Benzo (a) pyrene	102		µg/l	3.12	125		81.6	40-140	6.52	20
Indeno (1,2,3-cd) pyrene	98.5		µg/l	3.12	125		78.8	40-140	13.5	20
Dibenzo (a,h) anthracene	92.9		µg/l	3.12	125		74.3	40-140	13.2	20
Benzo (g,h,i) perylene	99.3		µg/l	3.12	125		79.4	40-140	15.1	20
Naphthalene (aliphatic fraction)	0.00	U	µg/l		125			0-200		200
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		125			0-200		200
Surrogate: 1-Chlorooctadecane	*53.6*		µg/l		*62.5*		*85.8*	*40-140*		
Surrogate: Ortho-Terphenyl	*51.3*		µg/l		*62.5*		*82.1*	*40-140*		
Surrogate: 2-Bromonaphthalene	*31.7*		µg/l		*50.0*		*63.4*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*43.8*		µg/l		*50.0*		*87.6*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Matrix Spike (6091167-MS1) **Source: SA51110-02**										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Naphthalene	52.5		µg/l	2.50	100	BRL	52.5	40-140		
Acenaphthene	66.3		µg/l	2.50	100	BRL	66.3	40-140		
Anthracene	69.1		µg/l	2.50	100	BRL	69.1	40-140		
Pyrene	78.5		µg/l	2.50	100	BRL	78.5	40-140		
Chrysene	78.3		µg/l	2.50	100	BRL	78.3	40-140		
n-Hexadecane	62.6		µg/l		100	0.00	62.6	40-140		
n-Tetradecane	52.2		µg/l		100	0.00	52.2	40-140		
n-Eicosane	72.6		µg/l		100	0.00	72.6	40-140		
n-Nonadecane	70.1		µg/l		100	0.00	70.1	40-140		
n-Octacosane	81.8		µg/l		100	0.00	81.8	40-140		
Surrogate: 1-Chlorooctadecane	*28.4*		µg/l		*50.0*		*56.8*	*40-140*		
Surrogate: Ortho-Terphenyl	*36.0*		µg/l		*50.0*		*72.0*	*40-140*		
Surrogate: 2-Bromonaphthalene	*24.2*		µg/l		*40.0*		*60.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.5*		µg/l		*40.0*		*78.8*	*40-140*		
Matrix Spike Dup (6091167-MSD1) **Source: SA51110-02**										
Prepared: 19-Sep-06 Analyzed: 21-Sep-06										
Naphthalene	57.6		µg/l	2.50	100	BRL	57.6	40-140	9.26	50
Acenaphthene	70.6		µg/l	2.50	100	BRL	70.6	40-140	6.28	50
Anthracene	72.5		µg/l	2.50	100	BRL	72.5	40-140	4.80	50
Pyrene	79.8		µg/l	2.50	100	BRL	79.8	40-140	1.64	50
Chrysene	80.1		µg/l	2.50	100	BRL	80.1	40-140	2.27	50
n-Hexadecane	57.5		µg/l		100	0.00	57.5	40-140	8.49	50
n-Tetradecane	48.3		µg/l		100	0.00	48.3	40-140	7.76	50
n-Eicosane	66.7		µg/l		100	0.00	66.7	40-140	8.47	50
n-Nonadecane	64.8		µg/l		100	0.00	64.8	40-140	7.86	50
n-Octacosane	75.3		µg/l		100	0.00	75.3	40-140	8.27	50
Surrogate: 1-Chlorooctadecane	*26.4*		µg/l		*50.0*		*52.8*	*40-140*		
Surrogate: Ortho-Terphenyl	*38.6*		µg/l		*50.0*		*77.2*	*40-140*		
Surrogate: 2-Bromonaphthalene	*28.0*		µg/l		*40.0*		*70.0*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*34.7*		µg/l		*40.0*		*86.8*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091250 - SW846 3510C										
Blank (6091250-BLK1)										
Prepared & Analyzed: 20-Sep-06										
PCB 1016	BRL	U	µg/l	0.200						
PCB 1221	BRL	U	µg/l	0.200						
PCB 1232	BRL	U	µg/l	0.200						
PCB 1242	BRL	U	µg/l	0.200						
PCB 1248	BRL	U	µg/l	0.200						
PCB 1254	BRL	U	µg/l	0.200						
PCB 1260	BRL	U	µg/l	0.200						
PCB 1262	BRL	U	µg/l	0.200						
PCB 1268	BRL	U	µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.110*		µg/l		*0.200*		*55.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.250*		µg/l		*0.200*		*125*	*30-150*		
LCS (6091250-BS1)										
Prepared & Analyzed: 20-Sep-06										
PCB 1016	2.33		µg/l	0.200	2.50		93.2	40-140		
PCB 1260	2.54		µg/l	0.200	2.50		102	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0800*		µg/l		*0.200*		*40.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70.0*	*30-150*		
LCS Dup (6091250-BSD1)										
Prepared & Analyzed: 20-Sep-06										
PCB 1016	2.26		µg/l	0.200	2.50		90.4	40-140	3.05	20
PCB 1260	2.64		µg/l	0.200	2.50		106	40-140	3.85	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0700*		µg/l		*0.200*		*35.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75.0*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091145 - SW846 3005A										
Blank (6091145-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Iron	0.0143	J	mg/l	0.130						
Nickel	BRL	U	mg/l	0.0050						
Selenium	BRL	U	mg/l	0.0150						
Zinc	0.0054	J	mg/l	0.0200						
Manganese	BRL	U	mg/l	0.0040						
Antimony	0.0018	J	mg/l	0.0060						
Lead	BRL	U	mg/l	0.0075						
Boron	BRL	U	mg/l	0.0100						
Beryllium	BRL	U	mg/l	0.0040						
Arsenic	BRL	U	mg/l	0.0040						
Cadmium	BRL	U	mg/l	0.0050						
Copper	BRL	U	mg/l	0.0050						
Silver	0.0003	J	mg/l	0.0070						
Barium	0.0007	J	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0050						
LCS (6091145-BS1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Nickel	1.08		mg/l	0.0050	1.00		108	85-115		
Zinc	1.06		mg/l	0.0200	1.00		106	85-115		
Manganese	1.07		mg/l	0.0040	1.00		107	85-115		
Selenium	1.12		mg/l	0.0150	1.00		112	85-115		
Iron	1.10		mg/l	0.130	1.00		110	85-115		
Antimony	1.06		mg/l	0.0060	1.00		106	85-115		
Lead	1.05		mg/l	0.0075	1.00		105	85-115		
Boron	1.03		mg/l	0.0100	1.00		103	85-115		
Silver	1.20	QC-3	mg/l	0.0070	1.00		120	85-115		
Beryllium	1.12		mg/l	0.0040	1.00		112	85-115		
Arsenic	1.06		mg/l	0.0040	1.00		106	85-115		
Chromium	1.10		mg/l	0.0050	1.00		110	85-115		
Barium	1.14		mg/l	0.0050	1.00		114	85-115		
Cadmium	1.07		mg/l	0.0050	1.00		107	85-115		
Copper	1.12		mg/l	0.0050	1.00		112	85-115		
LCS Dup (6091145-BSD1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Selenium	1.04		mg/l	0.0150	1.00		104	85-115	7.41	20
Zinc	1.00		mg/l	0.0200	1.00		100	85-115	5.83	20
Antimony	1.00		mg/l	0.0060	1.00		100	85-115	5.83	20
Iron	1.06		mg/l	0.130	1.00		106	85-115	3.70	20
Manganese	1.03		mg/l	0.0040	1.00		103	85-115	3.81	20
Lead	1.00		mg/l	0.0075	1.00		100	85-115	4.88	20
Nickel	1.04		mg/l	0.0050	1.00		104	85-115	3.77	20
Silver	1.02		mg/l	0.0070	1.00		102	85-115	16.2	20
Cadmium	1.02		mg/l	0.0050	1.00		102	85-115	4.78	20
Barium	1.10		mg/l	0.0050	1.00		110	85-115	3.57	20
Copper	1.08		mg/l	0.0050	1.00		108	85-115	3.64	20
Chromium	1.06		mg/l	0.0050	1.00		106	85-115	3.70	20
Arsenic	0.992		mg/l	0.0040	1.00		99.2	85-115	6.63	20
Beryllium	1.07		mg/l	0.0040	1.00		107	85-115	4.57	20
Boron	0.961		mg/l	0.0100	1.00		96.1	85-115	6.93	20
Duplicate (6091145-DUP1)	**Source: SA51110-08**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091145 - SW846 3005A										
Duplicate (6091145-DUP1)	**Source: SA51110-08**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Selenium	BRL	U	mg/l	0.0150		BRL				20
Manganese	0.339		mg/l	0.0040		0.340			0.295	20
Antimony	0.0010	QR-01, J	mg/l	0.0060		0.0014			33.3	20
Zinc	0.0058	QR-01, J	mg/l	0.0200		0.0072			21.5	20
Lead	0.0009	J	mg/l	0.0075		BRL				20
Nickel	BRL	U	mg/l	0.0050		BRL				20
Iron	6.59		mg/l	0.130		6.62			0.454	20
Boron	0.0078	J	mg/l	0.0100		0.0066			16.7	20
Cadmium	0.0003	QR-01, J	mg/l	0.0050		0.0002			40.0	20
Barium	0.0190		mg/l	0.0050		0.0192			1.05	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Silver	BRL	U	mg/l	0.0070		0.0167				20
Chromium	0.0014	J	mg/l	0.0050		BRL				20
Copper	0.0006	QR-01, J	mg/l	0.0050		0.0008			28.6	20
Beryllium	0.0002	J	mg/l	0.0040		BRL				20
Matrix Spike (6091145-MS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Antimony	0.947		mg/l	0.0060	1.00	0.0017	94.5	75-125		
Lead	0.947		mg/l	0.0075	1.00	BRL	94.7	75-125		
Nickel	0.986		mg/l	0.0050	1.00	BRL	98.6	75-125		
Manganese	1.33		mg/l	0.0040	1.00	0.327	100	75-125		
Iron	5.99		mg/l	0.130	1.00	4.76	123	75-125		
Selenium	0.982		mg/l	0.0150	1.00	BRL	98.2	75-125		
Zinc	0.948		mg/l	0.0200	1.00	0.0066	94.1	75-125		
Cadmium	0.966		mg/l	0.0050	1.00	0.0001	96.6	75-125		
Silver	1.14		mg/l	0.0070	1.00	0.0055	113	75-125		
Beryllium	1.05		mg/l	0.0040	1.00	BRL	105	75-125		
Copper	1.05		mg/l	0.0050	1.00	0.0010	105	75-125		
Arsenic	0.937		mg/l	0.0040	1.00	BRL	93.7	75-125		
Boron	0.911		mg/l	0.0100	1.00	0.0057	90.5	75-125		
Chromium	1.01		mg/l	0.0050	1.00	BRL	101	75-125		
Barium	1.08		mg/l	0.0050	1.00	0.0173	106	75-125		
Matrix Spike Dup (6091145-MSD1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Selenium	0.956		mg/l	0.0150	1.00	BRL	95.6	75-125	2.68	20
Antimony	0.918		mg/l	0.0060	1.00	0.0017	91.6	75-125	3.11	20
Zinc	0.929		mg/l	0.0200	1.00	0.0066	92.2	75-125	2.02	20
Manganese	1.30		mg/l	0.0040	1.00	0.327	97.3	75-125	2.28	20
Lead	0.937		mg/l	0.0075	1.00	BRL	93.7	75-125	1.06	20
Nickel	0.966		mg/l	0.0050	1.00	BRL	96.6	75-125	2.05	20
Iron	5.76		mg/l	0.130	1.00	4.76	100	75-125	3.91	20
Cadmium	0.950		mg/l	0.0050	1.00	0.0001	95.0	75-125	1.67	20
Boron	0.862		mg/l	0.0100	1.00	0.0057	85.6	75-125	5.53	20
Silver	0.959		mg/l	0.0070	1.00	0.0055	95.4	75-125	17.2	20
Barium	1.04		mg/l	0.0050	1.00	0.0173	102	75-125	3.77	20
Arsenic	0.924		mg/l	0.0040	1.00	BRL	92.4	75-125	1.40	20
Copper	1.01		mg/l	0.0050	1.00	0.0010	101	75-125	3.88	20
Beryllium	1.01		mg/l	0.0040	1.00	BRL	101	75-125	3.88	20
Chromium	0.980		mg/l	0.0050	1.00	BRL	98.0	75-125	3.02	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091145 - SW846 3005A										
Post Spike (6091145-PS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Antimony	1.09		mg/l	0.0060	1.00	0.0017	109	80-120		
Selenium	1.15		mg/l	0.0150	1.00	BRL	115	80-120		
Nickel	1.14		mg/l	0.0050	1.00	BRL	114	80-120		
Lead	1.11		mg/l	0.0075	1.00	BRL	111	80-120		
Iron	5.92		mg/l	0.130	1.00	4.76	116	80-120		
Zinc	1.11		mg/l	0.0200	1.00	0.0066	110	80-120		
Manganese	1.47		mg/l	0.0040	1.00	0.327	114	80-120		
Barium	1.24	QC-1	mg/l	0.0050	1.00	0.0173	122	80-120		
Copper	1.21	QC-1	mg/l	0.0050	1.00	0.0010	121	80-120		
Beryllium	1.20		mg/l	0.0040	1.00	BRL	120	80-120		
Chromium	1.18		mg/l	0.0050	1.00	BRL	118	80-120		
Cadmium	1.13		mg/l	0.0050	1.00	0.0001	113	80-120		
Boron	1.06		mg/l	0.0100	1.00	0.0057	105	80-120		
Silver	1.26	QC-1	mg/l	0.0070	1.00	0.0055	125	80-120		
Arsenic	1.10		mg/l	0.0040	1.00	BRL	110	80-120		
Batch 6091146 - SW846 3005A										
Blank (6091146-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Thallium	0.000003	J	mg/l	0.0020						
Lead	0.00005	J	mg/l	0.0025						
Selenium	0.0001	J	mg/l	0.0050						
Cadmium	0.000009	J	mg/l	0.0002						
Silver	0.00001	J	mg/l	0.0001						
LCS (6091146-BS1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Thallium	0.190		mg/l	0.0010	0.200		95.0	85-115		
Lead	0.198		mg/l	0.0010	0.200		99.0	85-115		
Silver	0.191		mg/l	0.0010	0.200		95.5	85-115		
Cadmium	0.207		mg/l	0.0010	0.200		104	85-115		
Selenium	0.209		mg/l	0.0010	0.200		104	85-115		
LCS Dup (6091146-BSD1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Lead	0.205		mg/l	0.0010	0.200		102	85-115	3.47	20
Thallium	0.197		mg/l	0.0010	0.200		98.5	85-115	3.62	20
Cadmium	0.214		mg/l	0.0010	0.200		107	85-115	3.33	20
Silver	0.191		mg/l	0.0010	0.200		95.5	85-115	0.00	20
Selenium	0.216		mg/l	0.0010	0.200		108	85-115	3.29	20
Duplicate (6091146-DUP1)	**Source: SA51110-05**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Lead	0.0002	QR-01, J	mg/l	0.0025		0.0010			133	20
Thallium	0.000007	QR-01, J	mg/l	0.0020		0.00003			124	20
Cadmium	0.00001	QR-01, J	mg/l	0.0002		0.00003			100	20
Selenium	0.0001	QR-01, J	mg/l	0.0050		0.0002			66.7	20
Silver	0.00003	QR-01, J	mg/l	0.0001		0.0013			191	20
Matrix Spike (6091146-MS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Thallium	0.205		mg/l	0.0200	0.200	0.00004	102	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091146 - SW846 3005A										
Matrix Spike (6091146-MS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Lead	0.214		mg/l	0.0250	0.200	0.0007	107	70-130		
Cadmium	0.218		mg/l	0.0025	0.200	0.00003	109	70-130		
Silver	0.187		mg/l	0.0012	0.200	0.0013	92.8	70-130		
Selenium	0.222		mg/l	0.0500	0.200	0.0001	111	70-130		
Matrix Spike Dup (6091146-MSD1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Thallium	0.213		mg/l	0.0200	0.200	0.00004	106	75-125	3.83	20
Lead	0.216		mg/l	0.0250	0.200	0.0007	108	70-130	0.930	20
Silver	0.192		mg/l	0.0012	0.200	0.0013	95.4	70-130	2.64	20
Cadmium	0.219		mg/l	0.0025	0.200	0.00003	109	70-130	0.458	20
Selenium	0.226		mg/l	0.0500	0.200	0.0001	113	70-130	1.79	20
Post Spike (6091146-PS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Lead	0.265	QC-1	mg/l	0.0250	0.200	0.0007	132	75-125		
Thallium	0.263	QC-1	mg/l	0.0200	0.200	0.00004	131	75-125		
Silver	0.210		mg/l	0.0012	0.200	0.0013	104	75-125		
Selenium	0.275	QC-1	mg/l	0.0500	0.200	0.0001	137	75-125		
Cadmium	0.276	QC-1	mg/l	0.0025	0.200	0.00003	138	75-125		
Batch 6091756 - SW846 3005A										
Blank (6091756-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Arsenic	BRL	U	mg/l	0.0100						
LCS (6091756-BS1)										
Prepared & Analyzed: 28-Sep-06										
Arsenic	0.514		mg/l	0.0100	0.500		103	85-115		
LCS Dup (6091756-BSD1)										
Prepared & Analyzed: 28-Sep-06										
Arsenic	0.509		mg/l	0.0100	0.500		102	85-115	0.978	20
Duplicate (6091756-DUP1)	**Source: SA51591-01**									
Prepared & Analyzed: 28-Sep-06										
Arsenic	BRL	U	mg/l	0.0100		BRL				20
Matrix Spike (6091756-MS1)	**Source: SA51591-02**									
Prepared & Analyzed: 28-Sep-06										
Arsenic	0.510		mg/l	0.0100	0.500	BRL	102	75-125		
Matrix Spike Dup (6091756-MSD1)	**Source: SA51591-02**									
Prepared & Analyzed: 28-Sep-06										
Arsenic	0.516		mg/l	0.0100	0.500	BRL	103	75-125	1.17	20
Post Spike (6091756-PS1)	**Source: SA51591-02**									
Prepared & Analyzed: 28-Sep-06										
Arsenic	0.530		mg/l	0.0100	0.500	BRL	106	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091147 - EPA200/SW7000 Series										
Blank (6091147-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00007	J	mg/l	0.00020						
LCS (6091147-BS1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00232		mg/l	0.00020	0.00250		92.8	80-120		
Duplicate (6091147-DUP1)	**Source: SA51110-01**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00029		mg/l	0.00020		0.00032			9.84	20
Matrix Spike (6091147-MS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00256		mg/l	0.00020	0.00250	0.00032	89.6	75-125		
Matrix Spike Dup (6091147-MSD1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00259		mg/l	0.00020	0.00250	0.00032	90.8	75-125	1.17	20
Post Spike (6091147-PS1)	**Source: SA51110-09**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Mercury	0.00227		mg/l	0.00020	0.00250	0.00032	78.0	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091092 - General Preparation										
Blank (6091092-BLK1)										
Prepared & Analyzed: 15-Sep-06										
Chloride	0.280	J	mg/l	1.00						
Sulfate as SO4	0.140	J	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
Blank (6091092-BLK2)										
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	0.160	J	mg/l	1.00						
Chloride	0.350	J	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
LCS (6091092-BS1)										
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	19.6		mg/l	1.00	20.0		98.0	90-110		
Chloride	19.9		mg/l	1.00	20.0		99.5	90-110		
Nitrate as N	2.03		mg/l	0.100	2.00		102	90-110		
LCS (6091092-BS2)										
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	4.03		mg/l	1.00	4.00		101	90-110		
Chloride	3.85		mg/l	1.00	4.00		96.2	90-110		
Nitrate as N	0.390		mg/l	0.100	0.400		97.5	90-110		
LCS (6091092-BS3)										
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	19.7		mg/l	1.00	20.0		98.5	90-110		
Chloride	20.0		mg/l	1.00	20.0		100	90-110		
Nitrate as N	1.97		mg/l	0.100	2.00		98.5	90-110		
LCS (6091092-BS4)										
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Chloride	3.88		mg/l	1.00	4.00		97.0	90-110		
Sulfate as SO4	3.99		mg/l	1.00	4.00		99.8	90-110		
Nitrate as N	0.330	QL-01	mg/l	0.100	0.400		82.5	90-110		
Duplicate (6091092-DUP1)	**Source: SA51033-01**									
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	21.7		mg/l	1.00		21.8			0.460	20
Nitrate as N	1.72		mg/l	0.100		1.73			0.580	20
Duplicate (6091092-DUP2)	**Source: SA51029-02**									
Prepared & Analyzed: 15-Sep-06										
Nitrate as N	0.0400	QR-04, J	mg/l	0.100		0.0500			22.2	20
Duplicate (6091092-DUP3)	**Source: SA51073-04**									
Prepared & Analyzed: 15-Sep-06										
Chloride	62.2		mg/l	1.00		62.6			0.641	20
Nitrate as N	1.38		mg/l	0.100		1.39			0.722	20
Duplicate (6091092-DUP4)	**Source: SA51110-09**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Chloride	1.04		mg/l	1.00		1.07			2.84	20
Sulfate as SO4	5.24		mg/l	1.00		5.28			0.760	20
Nitrate as N	0.0300	J	mg/l	0.100		0.0300			0.00	20
Duplicate (6091092-DUP5)	**Source: SA51131-01**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	24.8		mg/l	1.00		24.9			0.402	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091092 - General Preparation										
Duplicate (6091092-DUP5)	**Source: SA51131-01**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Nitrate as N	1.52		mg/l	0.100		1.53			0.656	20
Matrix Spike (6091092-MS1)	**Source: SA51033-01**									
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	25.7		mg/l	1.00	4.00	21.8	97.5	90-110		
Nitrate as N	2.13		mg/l	0.100	0.400	1.73	100	90-110		
Matrix Spike (6091092-MS2)	**Source: SA51029-02**									
Prepared & Analyzed: 15-Sep-06										
Nitrate as N	0.440		mg/l	0.100	0.400	0.0500	97.5	90-110		
Matrix Spike (6091092-MS3)	**Source: SA51073-04**									
Prepared & Analyzed: 15-Sep-06										
Chloride	63.7	QM-4X	mg/l	1.00	4.00	62.6	27.5	90-110		
Nitrate as N	1.76		mg/l	0.100	0.400	1.39	92.5	90-110		
Matrix Spike (6091092-MS4)	**Source: SA51110-09**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Chloride	4.88		mg/l	1.00	4.00	1.07	95.2	90-110		
Sulfate as SO4	9.73	QM-05	mg/l	1.00	4.00	5.28	111	90-110		
Nitrate as N	0.440		mg/l	0.100	0.400	0.0300	102	90-110		
Matrix Spike (6091092-MS5)	**Source: SA51131-01**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	28.9		mg/l	1.00	4.00	24.9	100	90-110		
Nitrate as N	1.95		mg/l	0.100	0.400	1.53	105	90-110		
Matrix Spike Dup (6091092-MSD1)	**Source: SA51033-01**									
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	25.8		mg/l	1.00	4.00	21.8	100	90-110	0.388	20
Nitrate as N	2.15		mg/l	0.100	0.400	1.73	105	90-110	0.935	20
Matrix Spike Dup (6091092-MSD2)	**Source: SA51029-02**									
Prepared & Analyzed: 15-Sep-06										
Nitrate as N	0.440		mg/l	0.100	0.400	0.0500	97.5	90-110	0.00	20
Matrix Spike Dup (6091092-MSD3)	**Source: SA51073-04**									
Prepared & Analyzed: 15-Sep-06										
Chloride	63.7	QM-4X	mg/l	1.00	4.00	62.6	27.5	90-110	0.00	20
Nitrate as N	1.72	QM-05	mg/l	0.100	0.400	1.39	82.5	90-110	2.30	20
Matrix Spike Dup (6091092-MSD4)	**Source: SA51110-09**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Chloride	4.88		mg/l	1.00	4.00	1.07	95.2	90-110	0.00	20
Sulfate as SO4	9.72	QM-05	mg/l	1.00	4.00	5.28	111	90-110	0.103	20
Nitrate as N	0.440		mg/l	0.100	0.400	0.0300	102	90-110	0.00	20
Matrix Spike Dup (6091092-MSD5)	**Source: SA51131-01**									
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	28.8		mg/l	1.00	4.00	24.9	97.5	90-110	0.347	20
Nitrate as N	1.97		mg/l	0.100	0.400	1.53	110	90-110	1.02	20
Reference (6091092-SRM1)										
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	23.6		mg/l	1.00	25.0		94.4	90-110		
Chloride	24.4		mg/l	1.00	25.0		97.6	90-110		
Nitrate as N	2.43		mg/l	0.100	2.50		97.2	90-110		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091092 - General Preparation										
Reference (6091092-SRM2)										
Prepared & Analyzed: 15-Sep-06										
Sulfate as SO4	4.84		mg/l	1.00	5.00		96.8	90-110		
Chloride	4.63		mg/l	1.00	5.00		92.6	90-110		
Nitrate as N	0.490		mg/l	0.100	0.500		98.0	90-110		
Reference (6091092-SRM3)										
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Sulfate as SO4	23.8		mg/l	1.00	25.0		95.2	90-110		
Chloride	24.3		mg/l	1.00	25.0		97.2	90-110		
Nitrate as N	2.42		mg/l	0.100	2.50		96.8	90-110		
Reference (6091092-SRM4)										
Prepared: 15-Sep-06 Analyzed: 16-Sep-06										
Chloride	4.65		mg/l	1.00	5.00		93.0	90-110		
Sulfate as SO4	4.76		mg/l	1.00	5.00		95.2	90-110		
Nitrate as N	0.450		mg/l	0.100	0.500		90.0	90-110		
Batch 6091245 - General Preparation										
Blank (6091245-BLK1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
Blank (6091245-BLK2)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
LCS (6091245-BS1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.288		mg/l	0.0100	0.300		96.0	90-110		
LCS (6091245-BS2)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.286		mg/l	0.0100	0.300		95.3	90-110		
Matrix Spike (6091245-MS1) **Source: SA51047-04**										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.302		mg/l	0.0100	0.300	BRL	101	75-125		
Matrix Spike Dup (6091245-MSD1) **Source: SA51047-04**										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.292		mg/l	0.0100	0.300	BRL	97.3	75-125	3.37	20
Reference (6091245-SRM1)										
Prepared & Analyzed: 19-Sep-06										
Cyanide (total)	0.362		mg/l	0.0100	0.429		84.4	75.1-124.9		
Batch 6091522 - General Preparation										
Blank (6091522-BLK1)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	BRL	U	mg/L CaCO3	1.00						
Blank (6091522-BLK2)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	BRL	U	mg/L CaCO3	1.00						
LCS (6091522-BS1)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	29.0		mg/L CaCO3	1.00	30.0		96.7	90-110		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091522 - General Preparation										
LCS (6091522-BS2)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	30.0		mg/L CaCO3	1.00	30.0		100	90-110		
Duplicate (6091522-DUP1)	**Source: SA50971-05**									
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	186		mg/L CaCO3	1.00		184			1.08	20
Duplicate (6091522-DUP2)	**Source: SA50980-08**									
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	57.0		mg/L CaCO3	1.00		59.0			3.45	20
Matrix Spike (6091522-MS1)	**Source: SA50971-10**									
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	62.0		mg/L CaCO3	1.00	30.0	34.0	93.3	80-120		
Matrix Spike (6091522-MS2)	**Source: SA50980-09**									
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	90.0		mg/L CaCO3	1.00	30.0	61.0	96.7	80-120		
Reference (6091522-SRM1)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	120		mg/L CaCO3	4.00	121		99.2	89.6-110.2		
Reference (6091522-SRM2)										
Prepared & Analyzed: 22-Sep-06										
Total Alkalinity	124		mg/L CaCO3	4.00	121		102	89.6-110.2		
Batch 6091524 - General Preparation										
Blank (6091524-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Chemical Oxygen Demand	BRL	U	mg/l	5.00						
LCS (6091524-BS1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Chemical Oxygen Demand	50.0		mg/l	5.00	50.0		100	90-110		
Duplicate (6091524-DUP1)	**Source: SA51110-10**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Chemical Oxygen Demand	BRL	U	mg/l	5.00		BRL				20
Matrix Spike (6091524-MS1)	**Source: SA51110-10**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Chemical Oxygen Demand	43.5		mg/l	5.00	50.0	BRL	87.0	80-120		
Reference (6091524-SRM1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Chemical Oxygen Demand	36.1		mg/l	5.00	43.0		84.0	78.6-116		
Batch 6091530 - General Preparation										
Blank (6091530-BLK1)										
Prepared & Analyzed: 22-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
LCS (6091530-BS1)										
Prepared & Analyzed: 22-Sep-06										
Cyanide (total)	0.304		mg/l	0.0100	0.300		101	90-110		
Matrix Spike (6091530-MS1)	**Source: SA51110-09**									
Prepared & Analyzed: 22-Sep-06										

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091530 - General Preparation										
Matrix Spike (6091530-MS1)	**Source: SA51110-09**									
Prepared & Analyzed: 22-Sep-06										
Cyanide (total)	0.299		mg/l	0.0100	0.300	BRL	99.7	75-125		
Matrix Spike Dup (6091530-MSD1)	**Source: SA51110-09**									
Prepared & Analyzed: 22-Sep-06										
Cyanide (total)	0.297		mg/l	0.0100	0.300	BRL	99.0	75-125	0.671	20
Batch 6091532 - General Preparation										
Blank (6091532-BLK1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Total Dissolved Solids	BRL	U	mg/l	5.00						
Duplicate (6091532-DUP1)	**Source: SA51110-08**									
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Total Dissolved Solids	25.0		mg/l	5.00		24.0			4.08	20
Reference (6091532-SRM1)										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Total Dissolved Solids	500		mg/l	10.0	500		100	90-110		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0609207				
Calibration Check (0609207-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.20407E+08	10.7	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.82278E+08	-6.62	25.00
C11-C22 Aromatic Hydrocarbons	15.2099	13.9607	2.35	25.00
Naphthalene	6.04283	6.08079	0.628	20.00
2-Methylnaphthalene	3.80723	3.66782	-3.66	20.00
Acenaphthylene	6.12041	5.80215	-5.20	20.00
Acenaphthene	3.76406	3.51364	-6.65	20.00
Fluorene	4.20151	3.91481	-6.82	20.00
Phenanthrene	5.59188	5.26745	-5.80	20.00
Anthracene	5.73523	4.98419	-13.1	20.00
Fluoranthene	5.78483	5.89732	1.94	20.00
Pyrene	6.00161	6.04747	0.764	20.00
Benzo (a) anthracene	5.00688	5.17473	3.35	20.00
Chrysene	5.44473	5.35893	-1.58	20.00
Benzo (b) fluoranthene	5.0411	4.73818	-6.01	20.00
Benzo (k) fluoranthene	5.77132	5.7261	-0.784	20.00
Benzo (a) pyrene	4.54736	4.88478	7.42	20.00
Indeno (1,2,3-cd) pyrene	5.39689	6.22571	15.4	20.00
Dibenzo (a,h) anthracene	4.59126	5.04165	9.81	20.00
Benzo (g,h,i) perylene	4.70426	5.47924	16.5	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0609216				
Calibration Check (0609216-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.10386E+08	5.33	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.79073E+08	-8.88	25.00
C11-C22 Aromatic Hydrocarbons	15.2099	14.0862	3.53	25.00
Naphthalene	6.04283	6.08658	0.724	20.00
2-Methylnaphthalene	3.80723	3.62211	-4.86	20.00
Acenaphthylene	6.12041	5.85501	-4.34	20.00
Acenaphthene	3.76406	3.5343	-6.10	20.00
Fluorene	4.20151	3.95081	-5.97	20.00
Phenanthrene	5.59188	5.39555	-3.51	20.00
Anthracene	5.73523	5.07348	-11.5	20.00
Fluoranthene	5.78483	6.04119	4.43	20.00
Pyrene	6.00161	6.13955	2.30	20.00
Benzo (a) anthracene	5.00688	5.30665	5.99	20.00
Chrysene	5.44473	5.61495	3.13	20.00
Benzo (b) fluoranthene	5.0411	4.66151	-7.53	20.00
Benzo (k) fluoranthene	5.77132	6.10844	5.84	20.00
Benzo (a) pyrene	4.54736	4.97193	9.34	20.00
Indeno (1,2,3-cd) pyrene	5.39689	6.02624	11.7	20.00
Dibenzo (a,h) anthracene	4.59126	4.89685	6.66	20.00
Benzo (g,h,i) perylene	4.70426	5.42414	15.3	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit

Volatile Organic Compounds - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0609210				
Calibration Check (0609210-CCV1)				
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.235398	0.230518	-2.07	
Acetone	0.0445368	0.0484924	8.88	
Acrylonitrile	0.17069	0.185648	8.76	
Benzene	1.06355	1.15316	8.43	
Bromobenzene	0.780689	0.780494	-0.0250	
Bromochloromethane	0.129956	0.132663	2.08	
Bromodichloromethane	0.28329	0.32284	14.0	
Bromoform	0.250497	0.294783	-1.50	
Bromomethane	0.178871	0.156997	-12.2	
2-Butanone (MEK)	0.176515	0.186064	5.41	
n-Butylbenzene	2.36406	2.58695	9.43	
sec-Butylbenzene	3.10354	3.32579	7.16	
tert-Butylbenzene	2.04633	2.20307	7.66	
Carbon disulfide	0.766473	0.752728	-1.79	
Carbon tetrachloride	0.186475	0.214461	15.0	
Chlorobenzene	1.79945	1.8476	2.68	
Chloroethane	0.223546	0.222687	-0.384	
Chloroform	0.446124	0.483442	8.36	20.00
Chloromethane	0.470113	0.456503	-2.90	
2-Chlorotoluene	1.93026	2.02039	4.67	
4-Chlorotoluene	2.13735	2.23564	4.60	
1,2-Dibromo-3-chloropropane	0.0826478	0.113433	6.00	
Dibromochloromethane	0.163194	0.200627	22.9	
1,2-Dibromoethane (EDB)	0.228886	0.23668	3.41	
Dibromomethane	0.149755	0.159336	6.40	
1,2-Dichlorobenzene	1.40705	1.41751	0.743	
1,3-Dichlorobenzene	1.45152	1.48331	2.19	
1,4-Dichlorobenzene	1.53261	1.51511	-1.14	
Dichlorodifluoromethane (Freon12)	0.206197	0.217046	5.26	
1,1-Dichloroethane	0.564142	0.584149	3.55	
1,2-Dichloroethane	0.418166	0.429396	2.69	
1,1-Dichloroethene	0.225554	0.23041	2.15	20.00
cis-1,2-Dichloroethene	0.279061	0.297736	6.69	
trans-1,2-Dichloroethene	0.253297	0.262833	3.76	
1,2-Dichloropropane	0.327118	0.343485	5.00	20.00
1,3-Dichloropropane	0.408723	0.424763	3.92	
2,2-Dichloropropane	0.196811	0.219627	11.6	
1,1-Dichloropropene	0.348375	0.361449	3.75	
cis-1,3-Dichloropropene	0.329863	0.365242	10.7	
trans-1,3-Dichloropropene	0.227425	0.273515	20.3	
Ethylbenzene	3.0273	3.18365	5.16	20.00
Hexachlorobutadiene	0.394937	0.435034	10.2	
2-Hexanone (MBK)	0.23778	0.263815	10.9	
Isopropylbenzene	2.67067	2.7423	2.68	
4-Isopropyltoluene	2.59113	2.8346	9.40	
Methyl tert-butyl ether	0.627761	0.665106	5.95	
4-Methyl-2-pentanone (MIBK)	0.349395	0.391582	12.1	

Analyte	Average RF	CCRF	% D	Limit
Batch 0609210				
Calibration Check (0609210-CCV1)				
Methylene chloride	0.273472	0.289585	5.89	
Naphthalene	2.07443	2.3704	14.3	
n-Propylbenzene	3.42468	3.60131	5.16	
Styrene	1.86613	1.98958	6.62	
1,1,1,2-Tetrachloroethane	0.413881	0.43054	4.03	
1,1,2,2-Tetrachloroethane	0.66928	0.719956	7.57	
Tetrachloroethene	0.224539	0.238565	6.25	
Toluene	0.714754	0.731425	2.33	20.00
1,2,3-Trichlorobenzene	0.795906	0.868262	9.09	
1,2,4-Trichlorobenzene	0.880012	0.916854	4.19	
1,1,1-Trichloroethane	0.305104	0.324089	6.22	
1,1,2-Trichloroethane	0.186191	0.204602	9.89	
Trichloroethene	0.261023	0.28528	9.29	
Trichlorofluoromethane (Freon 11)	0.372186	0.372232	0.0124	
1,2,3-Trichloropropane	0.525925	0.637731	21.3	
1,2,4-Trimethylbenzene	2.43895	2.5964	6.46	
1,3,5-Trimethylbenzene	2.40987	2.5463	5.66	
Vinyl chloride	0.31838	0.293174	-7.92	20.00
m,p-Xylene	1.17625	1.27002	7.97	
o-Xylene	1.13391	1.22959	8.44	
Tetrahydrofuran	0.115008	0.129278	12.4	
Ethyl ether	0.172537	0.176738	2.43	
Tert-amyl methyl ether	0.389416	0.36508	-6.25	
Ethyl tert-butyl ether	0.865685	0.911781	5.32	
Di-isopropyl ether	1.23104	1.27976	3.96	
Tert-Butanol / butyl alcohol	0.0176812	0.022026	24.6	
1,4-Dioxane	3.43145E-03	3.94251E-03	14.9	
4-Bromofluorobenzene	0.918414	0.944861	2.88	
Toluene-d8	0.99255	0.991104	-0.146	
1,2-Dichloroethane-d4	0.329037	0.326591	-0.743	
Dibromofluoromethane	0.237642	0.2394	0.740	

Notes and Definitions

__RE	Reanalysis for data confirmation.
FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC-3	The spike recovery is outside acceptable limits for the LCS. The batch was accepted based upon the MS and/or MSD meeting the LCS limits criteria.
QL-01	Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
Z-2	Repeated analysis displays inconsistent results due to matrix interference.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51110					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 10/3/2006

SA51110 mf

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

per client use our methods See phone log

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
SA51110-											
01	16	9/14/2006	11:00 MW-101A	1							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
02	17	9/14/2006	12:41 MW-101B	1							
				1	1	Liter	Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T
03	18	9/14/2006	15:40 MW-101C	6							
				2	40	mL	Glass Vials	4 Deg C	GW	Alcohol - 8015M	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
04	38	9/14/2006	11:26 MW-107D	1							
				1	1	Liter	Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
05	99	9/14/2006	17:45 SW-1	7							
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T

SA51110

SA51110

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
06	100	9/14/2006	17:30 SW-2	7							
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
07	101	9/14/2006	17:15 SW-3	7							
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
08	102	9/14/2006	17:00 SW-4	7							
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T

SA51110

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
A51110 09	103	9/14/2006	16:40 SW-5	7							
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
10	104	9/14/2006	16:40 FD002	7							
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
09	105	9/14/2006	16:40 MS002-SW-5	7							
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T

SA51110

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
SA51110-09 106	9/14/2006	16:40	MSD002-SW-5	6							
				1	500	mL	Plastic	4 Deg C	SW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	40	mL	Glass Vials	HCL, 4 Deg C	SW	VOCs - 8260B	T
				1	500	mL	Plastic	HNO3, 4 Deg C	SW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1	Liter	Plastic	4 Deg C	SW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	SW	COD -EPA 5220C	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	SW	Cyanide -EPA 9010	T
11 154	9/14/2006	18:45	TB-402	2							
				1	40	mL	Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T
				1	40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
12 171	9/14/2006	15:40	FD004	6							
				2	40	mL	Glass Vials	4 Deg C	GW	Alcohol - 8015M	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
CB 172	9/14/2006	15:40	MS004-MW-101C	6							
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				2	40	mL	Glass Vials	4 Deg C	GW	Alcohol - 8015M	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
CB 173	9/14/2006	15:40	MSD004-MW-101C	6							
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				2	40	mL	Glass Vials	4 Deg C	GW	Alcohol - 8015M	T
13 174	9/14/2006	12:41	FD005	1							
				1	1	Liter	Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T

SA51110

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
SA51110-02 175	9/14/2006	12:41	MS005-MW-101B	1	1	Liter Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T
SA51110-02 176	9/14/2006	12:41	MSD005-MW-101B	1	1	Liter Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T

SDG Number: S011 **Start Date:** 09/15/06 **End Date:** __/__/__

* Extra Metals = Barium, Iron and Manganese

Relinquished: [redacted] **Date:** 09/15/06 **Time:** 1200

Received: [redacted] **Date:** 9/15/06 **Time:** 1420

COC seals intact

Relinquished received: Mary Ledgerwood 9/15/06 1420

Iced 5.6°C

Report Date:
27-Sep-06 12:29

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51268-01	MW-107F	Ground Water	18-Sep-06 13:16	19-Sep-06 16:45
SA51268-02	CFW-1	Ground Water	18-Sep-06 14:25	19-Sep-06 16:45
SA51268-03	TB-403	Blank Water	19-Sep-06 08:22	19-Sep-06 16:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 19 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
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Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

CASE NARRATIVE:

The data set for work order SA51268 complies with internal QC criteria for the methods performed. The samples were received @ 8.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107F SA51268-01	[none]	Ground Water	18-Sep-06 13:16	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	1.0		µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107F SA51268-01	[none]	Ground Water	18-Sep-06 13:16	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	23-Sep-06	25-Sep-06	6091475	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	BRL	R-01, U	mg/l	0.0500	0.0158	5	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0011	J	mg/l	0.0060	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00004	J	mg/l	0.0002	0.000005	1	SW846 6020	22-Sep-06	26-Sep-06	6091476	"
7440-66-6	Zinc	0.0510		mg/l	0.0200	0.0039	1	SW846 6010B	23-Sep-06	25-Sep-06	6091475	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00016	J	mg/l	0.00028	0.00004	1	EPA 245.1/7470A	23-Sep-06	26-Sep-06	6091477	RE

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-1 SA51268-02	[none]	Ground Water	18-Sep-06 14:25	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-1 SA51268-02	[none]	Ground Water	18-Sep-06 14:25	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
General Chemistry Parameters												
	Total Alkalinity	5.00		mg/L CaCO3	1.00	0.760	1	SM2320B	26-Sep-06	26-Sep-06	6091760	BD
16887-00-6	Chloride	0.750	J	mg/l	1.00	0.0500	1	EPA 300.0	26-Sep-06	26-Sep-06	6091773	AW
	Chemical Oxygen Demand	14.4		mg/l	5.00	4.10	1	410.4/HACH8000	26-Sep-06	26-Sep-06	6091791	RLT
14808-79-8	Sulfate as SO4	3.70		mg/l	1.00	0.0600	1	EPA 300.0	26-Sep-06	26-Sep-06	6091773	AW

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-403 SA51268-03	[none]	Blank Water	19-Sep-06 08:22	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-403 SA51268-03	[none]	Blank Water	19-Sep-06 08:22	19-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96.4*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.7		µg/l		20.0		98.5	70-130		
Acetone	21.7		µg/l		20.0		108	70-130		
Acrylonitrile	19.8		µg/l		20.0		99.0	70-130		
Benzene	19.4		µg/l		20.0		97.0	70-130		
Bromobenzene	20.5		µg/l		20.0		102	70-130		
Bromochloromethane	20.5		µg/l		20.0		102	70-130		
Bromodichloromethane	19.4		µg/l		20.0		97.0	70-130		
Bromoform	13.9	QC-2	µg/l		20.0		69.5	70-130		
Bromomethane	21.4		µg/l		20.0		107	70-130		
2-Butanone (MEK)	14.3		µg/l		20.0		71.5	70-130		
n-Butylbenzene	20.8		µg/l		20.0		104	70-130		
sec-Butylbenzene	19.7		µg/l		20.0		98.5	70-130		
tert-Butylbenzene	19.9		µg/l		20.0		99.5	70-130		
Carbon disulfide	17.7		µg/l		20.0		88.5	70-130		
Carbon tetrachloride	18.7		µg/l		20.0		93.5	70-130		
Chlorobenzene	19.4		µg/l		20.0		97.0	70-130		
Chloroethane	19.4		µg/l		20.0		97.0	70-130		
Chloroform	21.0		µg/l		20.0		105	70-130		
Chloromethane	18.7		µg/l		20.0		93.5	70-130		
2-Chlorotoluene	19.4		µg/l		20.0		97.0	70-130		
4-Chlorotoluene	19.3		µg/l		20.0		96.5	70-130		
1,2-Dibromo-3-chloropropane	16.2		µg/l		20.0		81.0	70-130		
Dibromochloromethane	17.0		µg/l		20.0		85.0	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
Dibromomethane	19.3		µg/l		20.0		96.5	70-130		
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	20.5		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	20.3		µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	20.9		µg/l		20.0		104	70-130		
1,1-Dichloroethane	19.2		µg/l		20.0		96.0	70-130		
1,2-Dichloroethane	19.8		µg/l		20.0		99.0	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	19.6		µg/l		20.0		98.0	70-130		
1,2-Dichloropropane	19.6		µg/l		20.0		98.0	70-130		
1,3-Dichloropropane	19.4		µg/l		20.0		97.0	70-130		
2,2-Dichloropropane	20.5		µg/l		20.0		102	70-130		
1,1-Dichloropropene	20.7		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	19.1		µg/l		20.0		95.5	70-130		
trans-1,3-Dichloropropene	18.8		µg/l		20.0		94.0	70-130		
Ethylbenzene	19.3		µg/l		20.0		96.5	70-130		
Hexachlorobutadiene	18.2		µg/l		20.0		91.0	70-130		
2-Hexanone (MBK)	14.2		µg/l		20.0		71.0	70-130		
Isopropylbenzene	19.0		µg/l		20.0		95.0	70-130		
4-Isopropyltoluene	21.1		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
4-Methyl-2-pentanone (MIBK)	15.9		µg/l		20.0		79.5	70-130		
Methylene chloride	19.2		µg/l		20.0		96.0	70-130		
Naphthalene	18.1		µg/l		20.0		90.5	70-130		
n-Propylbenzene	19.7		µg/l		20.0		98.5	70-130		
Styrene	19.9		µg/l		20.0		99.5	70-130		
1,1,1,2-Tetrachloroethane	19.1		µg/l		20.0		95.5	70-130		
1,1,2,2-Tetrachloroethane	18.1		µg/l		20.0		90.5	70-130		
Tetrachloroethene	21.7		µg/l		20.0		108	70-130		
Toluene	18.8		µg/l		20.0		94.0	70-130		
1,2,3-Trichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
1,2,4-Trichlorobenzene	20.3		µg/l		20.0		102	70-130		
1,1,1-Trichloroethane	19.4		µg/l		20.0		97.0	70-130		
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130		
Trichloroethene	19.8		µg/l		20.0		99.0	70-130		
Trichlorofluoromethane (Freon 11)	21.2		µg/l		20.0		106	70-130		
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.9		µg/l		20.0		99.5	70-130		
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130		
Vinyl chloride	20.5		µg/l		20.0		102	70-130		
m,p-Xylene	38.7		µg/l		40.0		96.8	70-130		
o-Xylene	19.6		µg/l		20.0		98.0	70-130		
Tetrahydrofuran	16.1		µg/l		20.0		80.5	70-130		
Ethyl ether	20.5		µg/l		20.0		102	70-130		
Tert-amyl methyl ether	19.5		µg/l		20.0		97.5	70-130		
Ethyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130		
Di-isopropyl ether	17.1		µg/l		20.0		85.5	70-130		
Tert-Butanol / butyl alcohol	166		µg/l		200		83.0	70-130		
1,4-Dioxane	195		µg/l		200		97.5	70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/l		20.0		93.5	70-130	5.21	25
Acetone	20.6		µg/l		20.0		103	70-130	4.74	50
Acrylonitrile	20.2		µg/l		20.0		101	70-130	2.00	25
Benzene	18.5		µg/l		20.0		92.5	70-130	4.75	25
Bromobenzene	19.7		µg/l		20.0		98.5	70-130	3.49	25
Bromochloromethane	19.6		µg/l		20.0		98.0	70-130	4.00	25
Bromodichloromethane	19.0		µg/l		20.0		95.0	70-130	2.08	25
Bromoform	13.6	QC-2	µg/l		20.0		68.0	70-130	2.18	25
Bromomethane	20.4		µg/l		20.0		102	70-130	4.78	50
2-Butanone (MEK)	17.7		µg/l		20.0		88.5	70-130	21.2	50
n-Butylbenzene	19.6		µg/l		20.0		98.0	70-130	5.94	25
sec-Butylbenzene	18.7		µg/l		20.0		93.5	70-130	5.21	25
tert-Butylbenzene	18.9		µg/l		20.0		94.5	70-130	5.15	25
Carbon disulfide	16.4		µg/l		20.0		82.0	70-130	7.62	25
Carbon tetrachloride	17.7		µg/l		20.0		88.5	70-130	5.49	25
Chlorobenzene	18.6		µg/l		20.0		93.0	70-130	4.21	25
Chloroethane	19.3		µg/l		20.0		96.5	70-130	0.517	50
Chloroform	20.1		µg/l		20.0		100	70-130	4.88	25
Chloromethane	18.0		µg/l		20.0		90.0	70-130	3.81	25
2-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	5.29	25
4-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	4.77	25
1,2-Dibromo-3-chloropropane	16.1		µg/l		20.0		80.5	70-130	0.619	25
Dibromochloromethane	16.7		µg/l		20.0		83.5	70-130	1.78	50
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130	0.985	25
Dibromomethane	19.3		µg/l		20.0		96.5	70-130	0.00	25
1,2-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130	2.51	25
1,3-Dichlorobenzene	19.6		µg/l		20.0		98.0	70-130	4.00	25
1,4-Dichlorobenzene	19.4		µg/l		20.0		97.0	70-130	5.03	25
Dichlorodifluoromethane (Freon12)	20.2		µg/l		20.0		101	70-130	2.93	50
1,1-Dichloroethane	18.6		µg/l		20.0		93.0	70-130	3.17	25
1,2-Dichloroethane	19.6		µg/l		20.0		98.0	70-130	1.02	25
1,1-Dichloroethene	19.5		µg/l		20.0		97.5	70-130	3.53	25
cis-1,2-Dichloroethene	19.4		µg/l		20.0		97.0	70-130	4.04	25
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	70-130	6.32	25
1,2-Dichloropropane	18.6		µg/l		20.0		93.0	70-130	5.24	25
1,3-Dichloropropane	19.3		µg/l		20.0		96.5	70-130	0.517	25
2,2-Dichloropropane	19.4		µg/l		20.0		97.0	70-130	5.03	25
1,1-Dichloropropene	19.3		µg/l		20.0		96.5	70-130	7.48	25
cis-1,3-Dichloropropene	18.2		µg/l		20.0		91.0	70-130	4.83	25
trans-1,3-Dichloropropene	18.6		µg/l		20.0		93.0	70-130	1.07	25
Ethylbenzene	18.3		µg/l		20.0		91.5	70-130	5.32	25
Hexachlorobutadiene	18.4		µg/l		20.0		92.0	70-130	1.09	50
2-Hexanone (MBK)	14.8		µg/l		20.0		74.0	70-130	4.14	25
Isopropylbenzene	17.9		µg/l		20.0		89.5	70-130	5.96	25
4-Isopropyltoluene	20.1		µg/l		20.0		100	70-130	5.83	25
Methyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130	0.525	25
4-Methyl-2-pentanone (MIBK)	16.0		µg/l		20.0		80.0	70-130	0.627	50
Methylene chloride	18.4		µg/l		20.0		92.0	70-130	4.26	25
Naphthalene	18.4		µg/l		20.0		92.0	70-130	1.64	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
n-Propylbenzene	18.6		µg/l		20.0		93.0	70-130	5.74	25
Styrene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,1,1,2-Tetrachloroethane	18.4		µg/l		20.0		92.0	70-130	3.73	25
1,1,2,2-Tetrachloroethane	18.0		µg/l		20.0		90.0	70-130	0.554	25
Tetrachloroethene	20.8		µg/l		20.0		104	70-130	3.77	25
Toluene	17.9		µg/l		20.0		89.5	70-130	4.90	25
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97.0	70-130	1.53	25
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130	2.99	25
1,1,1-Trichloroethane	18.4		µg/l		20.0		92.0	70-130	5.29	25
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
Trichloroethene	18.5		µg/l		20.0		92.5	70-130	6.79	25
Trichlorofluoromethane (Freon 11)	20.5		µg/l		20.0		102	70-130	3.85	50
1,2,3-Trichloropropane	21.1		µg/l		20.0		106	70-130	1.87	25
1,2,4-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,3,5-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.60	25
Vinyl chloride	24.9		µg/l		20.0		124	70-130	19.5	25
m,p-Xylene	36.8		µg/l		40.0		92.0	70-130	5.08	25
o-Xylene	18.9		µg/l		20.0		94.5	70-130	3.64	25
Tetrahydrofuran	14.6		µg/l		20.0		73.0	70-130	9.77	25
Ethyl ether	20.3		µg/l		20.0		102	70-130	0.00	50
Tert-amyl methyl ether	19.3		µg/l		20.0		96.5	70-130	1.03	25
Ethyl tert-butyl ether	18.9		µg/l		20.0		94.5	70-130	1.05	25
Di-isopropyl ether	16.8		µg/l		20.0		84.0	70-130	1.77	25
Tert-Butanol / butyl alcohol	167		µg/l		200		83.5	70-130	0.601	25
1,4-Dioxane	183		µg/l		200		91.5	70-130	6.35	25
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike (6091446-MS1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	20.6		µg/l		20.0	BRL	103	70-130		
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130		
1,1-Dichloroethene	18.2		µg/l		20.0	BRL	91.0	70-130		
Toluene	20.5		µg/l		20.0	BRL	102	70-130		
Trichloroethene	20.5		µg/l		20.0	BRL	102	70-130		
Surrogate: 4-Bromofluorobenzene	*47.9*		µg/l		*50.0*		*95.8*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Matrix Spike Dup (6091446-MSD1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	19.0		µg/l		20.0	BRL	95.0	70-130	8.08	30
Chlorobenzene	19.9		µg/l		20.0	BRL	99.5	70-130	8.19	30
1,1-Dichloroethene	16.2		µg/l		20.0	BRL	81.0	70-130	11.6	30
Toluene	19.0		µg/l		20.0	BRL	95.0	70-130	7.11	30
Trichloroethene	18.9		µg/l		20.0	BRL	94.5	70-130	7.63	30
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/l		*50.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091475 - SW846 3005A										
Blank (6091475-BLK1)										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Nickel	BRL	U	mg/l	0.0050						
Lead	BRL	U	mg/l	0.0075						
Antimony	0.0010	J	mg/l	0.0060						
Selenium	BRL	U	mg/l	0.0150						
Zinc	0.0144	J	mg/l	0.0200						
Cadmium	BRL	U	mg/l	0.0025						
Beryllium	BRL	U	mg/l	0.0020						
Boron	0.0124	J	mg/l	0.0125						
Copper	BRL	U	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0040						
Silver	0.0016	J	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0050						
LCS (6091475-BS1)										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Zinc	1.47	QC-3	mg/l	0.0200	1.25		118	85-115		
Antimony	1.17		mg/l	0.0060	1.25		93.6	85-115		
Lead	1.22		mg/l	0.0075	1.25		97.6	85-115		
Nickel	1.21		mg/l	0.0050	1.25		96.8	85-115		
Selenium	1.22		mg/l	0.0150	1.25		97.6	85-115		
Boron	1.03	QC-3	mg/l	0.0125	1.25		82.4	85-115		
Beryllium	1.24		mg/l	0.0020	1.25		99.2	85-115		
Cadmium	1.27		mg/l	0.0025	1.25		102	85-115		
Chromium	1.22		mg/l	0.0050	1.25		97.6	85-115		
Copper	1.27		mg/l	0.0050	1.25		102	85-115		
Arsenic	1.22		mg/l	0.0040	1.25		97.6	85-115		
Silver	0.890	QC-1	mg/l	0.0050	1.25		71.2	85-115		
LCS Dup (6091475-BSD1)										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Nickel	1.26		mg/l	0.0050	1.25		101	85-115	4.05	20
Lead	1.26		mg/l	0.0075	1.25		101	85-115	3.23	20
Antimony	1.22		mg/l	0.0060	1.25		97.6	85-115	4.18	20
Zinc	1.27		mg/l	0.0200	1.25		102	85-115	14.6	20
Selenium	1.27		mg/l	0.0150	1.25		102	85-115	4.02	20
Cadmium	1.32		mg/l	0.0025	1.25		106	85-115	3.86	20
Boron	1.08		mg/l	0.0125	1.25		86.4	85-115	4.74	20
Beryllium	1.28		mg/l	0.0020	1.25		102	85-115	3.17	20
Copper	1.32		mg/l	0.0050	1.25		106	85-115	3.86	20
Silver	1.11	QR-05	mg/l	0.0050	1.25		88.8	85-115	22.0	20
Chromium	1.27		mg/l	0.0050	1.25		102	85-115	4.02	20
Arsenic	1.26		mg/l	0.0040	1.25		101	85-115	3.23	20
Matrix Spike (6091475-MS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Antimony	1.22		mg/l	0.0060	1.25	0.0011	97.5	75-125		
Zinc	1.26		mg/l	0.0200	1.25	0.0510	96.7	75-125		
Selenium	1.27		mg/l	0.0150	1.25	BRL	102	75-125		
Nickel	1.23		mg/l	0.0050	1.25	BRL	98.4	75-125		
Lead	1.23		mg/l	0.0075	1.25	BRL	98.4	75-125		
Copper	1.28		mg/l	0.0050	1.25	BRL	102	75-125		
Chromium	1.25		mg/l	0.0050	1.25	BRL	100	75-125		
Cadmium	1.30		mg/l	0.0025	1.25	BRL	104	75-125		
Beryllium	1.25		mg/l	0.0020	1.25	BRL	100	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091475 - SW846 3005A										
Matrix Spike (6091475-MS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Boron	1.03		mg/l	0.0125	1.25	BRL	82.4	75-125		
Silver	0.0056	QM-08	mg/l	0.0050	1.25	BRL	0.448	75-125		
Arsenic	1.26		mg/l	0.0040	1.25	BRL	101	75-125		
Matrix Spike Dup (6091475-MSD1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Antimony	1.15		mg/l	0.0060	1.25	0.0011	91.9	75-125	5.91	20
Zinc	1.19		mg/l	0.0200	1.25	0.0510	91.1	75-125	5.71	20
Lead	1.17		mg/l	0.0075	1.25	BRL	93.6	75-125	5.00	20
Nickel	1.16		mg/l	0.0050	1.25	BRL	92.8	75-125	5.86	20
Selenium	1.20		mg/l	0.0150	1.25	BRL	96.0	75-125	5.67	20
Arsenic	1.19		mg/l	0.0040	1.25	BRL	95.2	75-125	5.71	20
Silver	0.0083	QM-08, QR-05	mg/l	0.0050	1.25	BRL	0.664	75-125	38.8	20
Boron	0.952		mg/l	0.0125	1.25	BRL	76.2	75-125	7.87	20
Cadmium	1.22		mg/l	0.0025	1.25	BRL	97.6	75-125	6.35	20
Beryllium	1.22		mg/l	0.0020	1.25	BRL	97.6	75-125	2.43	20
Copper	1.24		mg/l	0.0050	1.25	BRL	99.2	75-125	3.17	20
Chromium	1.18		mg/l	0.0050	1.25	BRL	94.4	75-125	5.76	20
Post Spike (6091475-PS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 25-Sep-06										
Selenium	1.23		mg/l	0.0150	1.25	BRL	98.4	80-120		
Nickel	1.18		mg/l	0.0050	1.25	BRL	94.4	80-120		
Antimony	1.18		mg/l	0.0060	1.25	0.0011	94.3	80-120		
Zinc	1.26		mg/l	0.0200	1.25	0.0510	96.7	80-120		
Lead	1.19		mg/l	0.0075	1.25	BRL	95.2	80-120		
Silver	1.00		mg/l	0.0050	1.25	BRL	80.0	80-120		
Copper	1.28		mg/l	0.0050	1.25	BRL	102	80-120		
Cadmium	1.25		mg/l	0.0025	1.25	BRL	100	80-120		
Chromium	1.22		mg/l	0.0050	1.25	BRL	97.6	80-120		
Arsenic	1.22		mg/l	0.0040	1.25	BRL	97.6	80-120		
Boron	0.984	QC-1	mg/l	0.0125	1.25	BRL	78.7	80-120		
Beryllium	1.26		mg/l	0.0020	1.25	BRL	101	80-120		
Batch 6091476 - SW846 3005A										
Blank (6091476-BLK1)										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Thallium	0.00002	J	mg/l	0.0002						
LCS (6091476-BS1)										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Thallium	2.40	QC-3	mg/l	0.0050	1.25		192	85-115		
LCS Dup (6091476-BSD1)										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Thallium	2.37	QC-3	mg/l	0.0050	1.25		190	85-115	1.26	20
Matrix Spike (6091476-MS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Thallium	1.22		mg/l	0.0050	1.25	0.00004	97.6	75-125		
Matrix Spike Dup (6091476-MSD1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Thallium	1.16		mg/l	0.0050	1.25	0.00004	92.8	75-125	5.04	20

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091477 - EPA200/SW7000 Series										
Blank (6091477-BLK1)										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00025	J	mg/l	0.00028						
LCS (6091477-BS1)										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00236		mg/l	0.00028	0.00250		94.4	80-120		
Duplicate (6091477-DUP1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00015	J	mg/l	0.00028		0.00016			6.45	20
Matrix Spike (6091477-MS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00207		mg/l	0.00028	0.00250	0.00016	76.4	75-125		
Matrix Spike Dup (6091477-MSD1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00219		mg/l	0.00028	0.00250	0.00016	81.2	75-125	5.63	20
Post Spike (6091477-PS1) **Source: SA51268-01**										
Prepared: 23-Sep-06 Analyzed: 26-Sep-06										
Mercury	0.00178	QC-1	mg/l	0.00028	0.00250	0.00016	64.8	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091760 - General Preparation										
Blank (6091760-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	BRL	U	mg/L CaCO3	1.00						
LCS (6091760-BS1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	29.0		mg/L CaCO3	1.00	30.0		96.7	90-110		
Duplicate (6091760-DUP1)	**Source: SA51033-05**									
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	50.0		mg/L CaCO3	1.00		49.0			2.02	20
Matrix Spike (6091760-MS1)	**Source: SA51033-05**									
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	79.0		mg/L CaCO3	1.00	30.0	49.0	100	80-120		
Reference (6091760-SRM1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	30.0		mg/L CaCO3	1.00	30.2		99.3	89.6-110.2		
Batch 6091773 - General Preparation										
Blank (6091773-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Sulfate as SO4	BRL	U	mg/l	1.00						
Chloride	0.270	J	mg/l	1.00						
Blank (6091773-BLK2)										
Prepared & Analyzed: 26-Sep-06										
Chloride	0.440	J	mg/l	1.00						
Sulfate as SO4	0.130	J	mg/l	1.00						
LCS (6091773-BS1)										
Prepared & Analyzed: 26-Sep-06										
Sulfate as SO4	20.0		mg/l	1.00	20.0		100	90-110		
Chloride	20.4		mg/l	1.00	20.0		102	90-110		
LCS (6091773-BS2)										
Prepared & Analyzed: 26-Sep-06										
Chloride	3.71		mg/l	1.00	4.00		92.8	90-110		
Sulfate as SO4	3.76		mg/l	1.00	4.00		94.0	90-110		
LCS (6091773-BS3)										
Prepared & Analyzed: 26-Sep-06										
Chloride	20.4		mg/l	1.00	20.0		102	90-110		
Sulfate as SO4	19.9		mg/l	1.00	20.0		99.5	90-110		
LCS (6091773-BS4)										
Prepared & Analyzed: 26-Sep-06										
Chloride	3.68		mg/l	1.00	4.00		92.0	90-110		
Sulfate as SO4	3.76		mg/l	1.00	4.00		94.0	90-110		
Duplicate (6091773-DUP1)	**Source: SA51268-02**									
Prepared & Analyzed: 26-Sep-06										
Chloride	0.690	J	mg/l	1.00		0.750			8.33	20
Sulfate as SO4	3.70		mg/l	1.00		3.70			0.00	20
Matrix Spike (6091773-MS1)	**Source: SA51268-02**									
Prepared & Analyzed: 26-Sep-06										
Chloride	4.36		mg/l	1.00	4.00	0.750	90.2	90-110		
Sulfate as SO4	7.81		mg/l	1.00	4.00	3.70	103	90-110		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091773 - General Preparation										
Matrix Spike (6091773-MS1) **Source: SA51268-02**										
Prepared & Analyzed: 26-Sep-06										
Matrix Spike Dup (6091773-MSD1) **Source: SA51268-02**										
Prepared & Analyzed: 26-Sep-06										
Sulfate as SO4	7.92		mg/l	1.00	4.00	3.70	106	90-110	1.40	20
Chloride	4.44		mg/l	1.00	4.00	0.750	92.2	90-110	1.82	20
Reference (6091773-SRM1)										
Prepared & Analyzed: 26-Sep-06										
Sulfate as SO4	24.5		mg/l	1.00	25.0		98.0	90-110		
Chloride	25.6		mg/l	1.00	25.0		102	90-110		
Reference (6091773-SRM2)										
Prepared & Analyzed: 26-Sep-06										
Chloride	5.02		mg/l	1.00	5.00		100	90-110		
Sulfate as SO4	5.07		mg/l	1.00	5.00		101	90-110		
Batch 6091791 - General Preparation										
Blank (6091791-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Chemical Oxygen Demand	BRL	U	mg/l	5.00						
LCS (6091791-BS1)										
Prepared & Analyzed: 26-Sep-06										
Chemical Oxygen Demand	53.9		mg/l	5.00	50.0		108	90-110		
Duplicate (6091791-DUP1) **Source: SA51220-11**										
Prepared & Analyzed: 26-Sep-06										
Chemical Oxygen Demand	41.4		mg/l	5.00		49.5			17.8	20
Matrix Spike (6091791-MS1) **Source: SA51220-11**										
Prepared & Analyzed: 26-Sep-06										
Chemical Oxygen Demand	91.0		mg/l	5.00	50.0	49.5	83.0	80-120		
Reference (6091791-SRM1)										
Prepared & Analyzed: 26-Sep-06										
Chemical Oxygen Demand	36.0		mg/l	5.00	43.0		83.7	78.6-116		

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC-3	The spike recovery is outside acceptable limits for the LCS. The batch was accepted based upon the MS and/or MSD meeting the LCS limits criteria.
QM-08	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR-05	RPD out of acceptance range.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51268					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/27/2006

SAS1268 mg

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
SAS1268-01	39	9/18/2006	13:16 MW-107F	3							
				1	500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
02	96	9/18/2006	14:25 CFW-1	4							
				1	500	mL	Plastic	4 Deg C	GW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	GW	COD -EPA 5220C	T
03	155	9/19/2006	8:22 TB-403	2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
				2							T
				2	40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T

SDG Number: S011 **Start Date:** 09/12/06 **End Date:** __/__/____

Relinquished: _____ **Date:** 09/19/06 **Time:** 1230

Received: _____ **Date:** 9/19/06 **Time:** 1230

* Extra Metals = Barium, Iron and Manganese

*Temp Blank * 100 ml / poly. 9/19/06 1645

8°

09/19/06

Gurdy

Tuesday, September 19, 2006

Report Date:
29-Sep-06 14:12

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51332-01	MW-109C	Ground Water	19-Sep-06 15:00	20-Sep-06 11:45
SA51332-02	MW-110A	Ground Water	19-Sep-06 15:57	20-Sep-06 11:45
SA51332-03	MW-111B	Ground Water	19-Sep-06 13:36	20-Sep-06 11:45
SA51332-04	CFW-1	Ground Water	19-Sep-06 09:45	20-Sep-06 11:45
SA51332-05	TB-404	Blank Water	20-Sep-06 07:00	20-Sep-06 11:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 28 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

CASE NARRATIVE:

The data set for work order SA51332 complies with internal QC criteria for the methods performed. The samples were received @ 1.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109C SA51332-01	[none]	Ground Water	19-Sep-06 15:00	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
62-53-3	Aniline	BRL	U	µg/l	5.26	0.400	1	SW846 8270C	21-Sep-06	21-Sep-06	6091370	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.26	0.589	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.26	1.00	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.26	0.600	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.26	0.505	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.26	0.232	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.26	0.379	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.26	0.147	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.26	0.326	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.26	0.253	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.26	0.389	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.26	0.537	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.26	0.316	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.5	0.253	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.26	0.179	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	21.1	0.200	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	21.1	0.274	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.26	0.632	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109C SA51332-01	[none]	Ground Water	19-Sep-06 15:00	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.26	0.105	1	SW846 8270C	21-Sep-06	21-Sep-06	6091370	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*67.7*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*78.5*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*85.4*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*106*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*65.0*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*50.8*		*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	21-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*143*	S-GC	*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*66.5*		*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-110A SA51332-02	[none]	Ground Water	19-Sep-06 15:57	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	PCB 1016	BRL	U	µg/l	0.0211	0.00684	1	SW846 8082	22-Sep-06	25-Sep-06	6091480	TG
11104-28-2	PCB 1221	BRL	U	µg/l	0.0211	0.00663	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/l	0.0211	0.0160	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/l	0.0211	0.0138	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/l	0.0211	0.0163	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/l	0.0211	0.00488	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/l	0.0211	0.00565	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL	U	µg/l	0.0211	0.00253	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL	U	µg/l	0.0211	0.0122	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*		*30-150 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-111B SA51332-03	[none]	Ground Water	19-Sep-06 13:36	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-111B SA51332-03	[none]	Ground Water	19-Sep-06 13:36	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	5.0	J	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CFW-1 SA51332-04	[none]	Ground Water	19-Sep-06 09:45	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0044	J	mg/l	0.0050	0.0008	1	SW846 6010B	28-Sep-06	28-Sep-06	6091844	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	26-Sep-06	26-Sep-06	6091638	TGP
7440-39-3	Barium	0.0451		mg/l	0.0050	0.0012	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	0.0005	J	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0036	J	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0091		mg/l	0.0050	0.0010	1	"	"	"	"	"
7439-89-6	Iron	10.7		mg/l	0.0050	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.305		mg/l	0.0010	0.0008	1	"	"	"	"	"
7440-02-0	Nickel	0.0073		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	0.0056	J	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0012	J	mg/l	0.0060	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.0001	J	mg/l	0.0002	0.000005	1	SW846 6020	"	26-Sep-06	6091639	LR
7440-66-6	Zinc	0.0318		mg/l	0.0200	0.0039	1	SW846 6010B	"	26-Sep-06	6091638	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00010	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	26-Sep-06	26-Sep-06	6091640	LR
General Chemistry Parameters												
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	27-Sep-06	27-Sep-06	6091885	JAK
14797-55-8	Nitrate as N	0.0800	J	mg/l	0.100	0.0300	1	EPA 300.0	20-Sep-06 15:30	20-Sep-06	6091407	AI
	Total Dissolved Solids	29.0		mg/l	5.00	5.00	1	SM2540 C	26-Sep-06	27-Sep-06	6091877	RLT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-404 SA51332-05	[none]	Blank Water	20-Sep-06 07:00	20-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-404 SA51332-05	[none]	Blank Water	20-Sep-06 07:00	20-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	21-Sep-06	22-Sep-06	6091446	mar
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99.6*		*70-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
Blank (6091446-BLK1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.7		µg/l		20.0		98.5	70-130		
Acetone	21.7		µg/l		20.0		108	70-130		
Acrylonitrile	19.8		µg/l		20.0		99.0	70-130		
Benzene	19.4		µg/l		20.0		97.0	70-130		
Bromobenzene	20.5		µg/l		20.0		102	70-130		
Bromochloromethane	20.5		µg/l		20.0		102	70-130		
Bromodichloromethane	19.4		µg/l		20.0		97.0	70-130		
Bromoform	13.9	QC-2	µg/l		20.0		69.5	70-130		
Bromomethane	21.4		µg/l		20.0		107	70-130		
2-Butanone (MEK)	14.3		µg/l		20.0		71.5	70-130		
n-Butylbenzene	20.8		µg/l		20.0		104	70-130		
sec-Butylbenzene	19.7		µg/l		20.0		98.5	70-130		
tert-Butylbenzene	19.9		µg/l		20.0		99.5	70-130		
Carbon disulfide	17.7		µg/l		20.0		88.5	70-130		
Carbon tetrachloride	18.7		µg/l		20.0		93.5	70-130		
Chlorobenzene	19.4		µg/l		20.0		97.0	70-130		
Chloroethane	19.4		µg/l		20.0		97.0	70-130		
Chloroform	21.0		µg/l		20.0		105	70-130		
Chloromethane	18.7		µg/l		20.0		93.5	70-130		
2-Chlorotoluene	19.4		µg/l		20.0		97.0	70-130		
4-Chlorotoluene	19.3		µg/l		20.0		96.5	70-130		
1,2-Dibromo-3-chloropropane	16.2		µg/l		20.0		81.0	70-130		
Dibromochloromethane	17.0		µg/l		20.0		85.0	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
Dibromomethane	19.3		µg/l		20.0		96.5	70-130		
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	20.5		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	20.3		µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	20.9		µg/l		20.0		104	70-130		
1,1-Dichloroethane	19.2		µg/l		20.0		96.0	70-130		
1,2-Dichloroethane	19.8		µg/l		20.0		99.0	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	19.6		µg/l		20.0		98.0	70-130		
1,2-Dichloropropane	19.6		µg/l		20.0		98.0	70-130		
1,3-Dichloropropane	19.4		µg/l		20.0		97.0	70-130		
2,2-Dichloropropane	20.5		µg/l		20.0		102	70-130		
1,1-Dichloropropene	20.7		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	19.1		µg/l		20.0		95.5	70-130		
trans-1,3-Dichloropropene	18.8		µg/l		20.0		94.0	70-130		
Ethylbenzene	19.3		µg/l		20.0		96.5	70-130		
Hexachlorobutadiene	18.2		µg/l		20.0		91.0	70-130		
2-Hexanone (MBK)	14.2		µg/l		20.0		71.0	70-130		
Isopropylbenzene	19.0		µg/l		20.0		95.0	70-130		
4-Isopropyltoluene	21.1		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
4-Methyl-2-pentanone (MIBK)	15.9		µg/l		20.0		79.5	70-130		
Methylene chloride	19.2		µg/l		20.0		96.0	70-130		
Naphthalene	18.1		µg/l		20.0		90.5	70-130		
n-Propylbenzene	19.7		µg/l		20.0		98.5	70-130		
Styrene	19.9		µg/l		20.0		99.5	70-130		
1,1,1,2-Tetrachloroethane	19.1		µg/l		20.0		95.5	70-130		
1,1,2,2-Tetrachloroethane	18.1		µg/l		20.0		90.5	70-130		
Tetrachloroethene	21.7		µg/l		20.0		108	70-130		
Toluene	18.8		µg/l		20.0		94.0	70-130		
1,2,3-Trichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
1,2,4-Trichlorobenzene	20.3		µg/l		20.0		102	70-130		
1,1,1-Trichloroethane	19.4		µg/l		20.0		97.0	70-130		
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130		
Trichloroethene	19.8		µg/l		20.0		99.0	70-130		
Trichlorofluoromethane (Freon 11)	21.2		µg/l		20.0		106	70-130		
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.9		µg/l		20.0		99.5	70-130		
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130		
Vinyl chloride	20.5		µg/l		20.0		102	70-130		
m,p-Xylene	38.7		µg/l		40.0		96.8	70-130		
o-Xylene	19.6		µg/l		20.0		98.0	70-130		
Tetrahydrofuran	16.1		µg/l		20.0		80.5	70-130		
Ethyl ether	20.5		µg/l		20.0		102	70-130		
Tert-amyl methyl ether	19.5		µg/l		20.0		97.5	70-130		
Ethyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130		
Di-isopropyl ether	17.1		µg/l		20.0		85.5	70-130		
Tert-Butanol / butyl alcohol	166		µg/l		200		83.0	70-130		
1,4-Dioxane	195		µg/l		200		97.5	70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS (6091446-BS1)										
Prepared & Analyzed: 21-Sep-06										
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/l		20.0		93.5	70-130	5.21	25
Acetone	20.6		µg/l		20.0		103	70-130	4.74	50
Acrylonitrile	20.2		µg/l		20.0		101	70-130	2.00	25
Benzene	18.5		µg/l		20.0		92.5	70-130	4.75	25
Bromobenzene	19.7		µg/l		20.0		98.5	70-130	3.49	25
Bromochloromethane	19.6		µg/l		20.0		98.0	70-130	4.00	25
Bromodichloromethane	19.0		µg/l		20.0		95.0	70-130	2.08	25
Bromoform	13.6	QC-2	µg/l		20.0		68.0	70-130	2.18	25
Bromomethane	20.4		µg/l		20.0		102	70-130	4.78	50
2-Butanone (MEK)	17.7		µg/l		20.0		88.5	70-130	21.2	50
n-Butylbenzene	19.6		µg/l		20.0		98.0	70-130	5.94	25
sec-Butylbenzene	18.7		µg/l		20.0		93.5	70-130	5.21	25
tert-Butylbenzene	18.9		µg/l		20.0		94.5	70-130	5.15	25
Carbon disulfide	16.4		µg/l		20.0		82.0	70-130	7.62	25
Carbon tetrachloride	17.7		µg/l		20.0		88.5	70-130	5.49	25
Chlorobenzene	18.6		µg/l		20.0		93.0	70-130	4.21	25
Chloroethane	19.3		µg/l		20.0		96.5	70-130	0.517	50
Chloroform	20.1		µg/l		20.0		100	70-130	4.88	25
Chloromethane	18.0		µg/l		20.0		90.0	70-130	3.81	25
2-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	5.29	25
4-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	4.77	25
1,2-Dibromo-3-chloropropane	16.1		µg/l		20.0		80.5	70-130	0.619	25
Dibromochloromethane	16.7		µg/l		20.0		83.5	70-130	1.78	50
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130	0.985	25
Dibromomethane	19.3		µg/l		20.0		96.5	70-130	0.00	25
1,2-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130	2.51	25
1,3-Dichlorobenzene	19.6		µg/l		20.0		98.0	70-130	4.00	25
1,4-Dichlorobenzene	19.4		µg/l		20.0		97.0	70-130	5.03	25
Dichlorodifluoromethane (Freon12)	20.2		µg/l		20.0		101	70-130	2.93	50
1,1-Dichloroethane	18.6		µg/l		20.0		93.0	70-130	3.17	25
1,2-Dichloroethane	19.6		µg/l		20.0		98.0	70-130	1.02	25
1,1-Dichloroethene	19.5		µg/l		20.0		97.5	70-130	3.53	25
cis-1,2-Dichloroethene	19.4		µg/l		20.0		97.0	70-130	4.04	25
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	70-130	6.32	25
1,2-Dichloropropane	18.6		µg/l		20.0		93.0	70-130	5.24	25
1,3-Dichloropropane	19.3		µg/l		20.0		96.5	70-130	0.517	25
2,2-Dichloropropane	19.4		µg/l		20.0		97.0	70-130	5.03	25
1,1-Dichloropropene	19.3		µg/l		20.0		96.5	70-130	7.48	25
cis-1,3-Dichloropropene	18.2		µg/l		20.0		91.0	70-130	4.83	25
trans-1,3-Dichloropropene	18.6		µg/l		20.0		93.0	70-130	1.07	25
Ethylbenzene	18.3		µg/l		20.0		91.5	70-130	5.32	25
Hexachlorobutadiene	18.4		µg/l		20.0		92.0	70-130	1.09	50
2-Hexanone (MBK)	14.8		µg/l		20.0		74.0	70-130	4.14	25
Isopropylbenzene	17.9		µg/l		20.0		89.5	70-130	5.96	25
4-Isopropyltoluene	20.1		µg/l		20.0		100	70-130	5.83	25
Methyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130	0.525	25
4-Methyl-2-pentanone (MIBK)	16.0		µg/l		20.0		80.0	70-130	0.627	50
Methylene chloride	18.4		µg/l		20.0		92.0	70-130	4.26	25
Naphthalene	18.4		µg/l		20.0		92.0	70-130	1.64	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091446 - SW846 5030 Water MS										
LCS Dup (6091446-BSD1)										
Prepared & Analyzed: 21-Sep-06										
n-Propylbenzene	18.6		µg/l		20.0		93.0	70-130	5.74	25
Styrene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,1,1,2-Tetrachloroethane	18.4		µg/l		20.0		92.0	70-130	3.73	25
1,1,2,2-Tetrachloroethane	18.0		µg/l		20.0		90.0	70-130	0.554	25
Tetrachloroethene	20.8		µg/l		20.0		104	70-130	3.77	25
Toluene	17.9		µg/l		20.0		89.5	70-130	4.90	25
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97.0	70-130	1.53	25
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130	2.99	25
1,1,1-Trichloroethane	18.4		µg/l		20.0		92.0	70-130	5.29	25
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
Trichloroethene	18.5		µg/l		20.0		92.5	70-130	6.79	25
Trichlorofluoromethane (Freon 11)	20.5		µg/l		20.0		102	70-130	3.85	50
1,2,3-Trichloropropane	21.1		µg/l		20.0		106	70-130	1.87	25
1,2,4-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.10	25
1,3,5-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	4.60	25
Vinyl chloride	24.9		µg/l		20.0		124	70-130	19.5	25
m,p-Xylene	36.8		µg/l		40.0		92.0	70-130	5.08	25
o-Xylene	18.9		µg/l		20.0		94.5	70-130	3.64	25
Tetrahydrofuran	14.6		µg/l		20.0		73.0	70-130	9.77	25
Ethyl ether	20.3		µg/l		20.0		102	70-130	0.00	50
Tert-amyl methyl ether	19.3		µg/l		20.0		96.5	70-130	1.03	25
Ethyl tert-butyl ether	18.9		µg/l		20.0		94.5	70-130	1.05	25
Di-isopropyl ether	16.8		µg/l		20.0		84.0	70-130	1.77	25
Tert-Butanol / butyl alcohol	167		µg/l		200		83.5	70-130	0.601	25
1,4-Dioxane	183		µg/l		200		91.5	70-130	6.35	25
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike (6091446-MS1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	20.6		µg/l		20.0	BRL	103	70-130		
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130		
1,1-Dichloroethene	18.2		µg/l		20.0	BRL	91.0	70-130		
Toluene	20.5		µg/l		20.0	BRL	102	70-130		
Trichloroethene	20.5		µg/l		20.0	BRL	102	70-130		
Surrogate: 4-Bromofluorobenzene	*47.9*		µg/l		*50.0*		*95.8*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Matrix Spike Dup (6091446-MSD1) **Source: SA51110-03RE1**										
Prepared: 21-Sep-06 Analyzed: 22-Sep-06										
Benzene	19.0		µg/l		20.0	BRL	95.0	70-130	8.08	30
Chlorobenzene	19.9		µg/l		20.0	BRL	99.5	70-130	8.19	30
1,1-Dichloroethene	16.2		µg/l		20.0	BRL	81.0	70-130	11.6	30
Toluene	19.0		µg/l		20.0	BRL	95.0	70-130	7.11	30
Trichloroethene	18.9		µg/l		20.0	BRL	94.5	70-130	7.63	30
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/l		*50.0*		*101*	*70-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091480 - SW846 3510C										
Blank (6091480-BLK1)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
PCB 1016	BRL	U	µg/l	0.0200						
PCB 1221	BRL	U	µg/l	0.0200						
PCB 1232	BRL	U	µg/l	0.0200						
PCB 1242	BRL	U	µg/l	0.0200						
PCB 1248	BRL	U	µg/l	0.0200						
PCB 1254	BRL	U	µg/l	0.0200						
PCB 1260	BRL	U	µg/l	0.0200						
PCB 1262	BRL	U	µg/l	0.0200						
PCB 1268	BRL	U	µg/l	0.0200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0145*		µg/l		*0.0200*		*72.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0286*		µg/l		*0.0200*		*143*	*30-150*		
LCS (6091480-BS1)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
PCB 1016	0.260		µg/l	0.0200	0.250		104	40-140		
PCB 1260	0.277		µg/l	0.0200	0.250		111	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0787*		µg/l		*0.200*		*39.4*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.161*		µg/l		*0.200*		*80.5*	*30-150*		
LCS Dup (6091480-BSD1)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
PCB 1016	0.255		µg/l	0.0200	0.250		102	40-140	1.94	20
PCB 1260	0.267		µg/l	0.0200	0.250		107	40-140	3.67	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0771*		µg/l		*0.200*		*38.6*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.157*		µg/l		*0.200*		*78.5*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091370 - SW846 3510C										
Blank (6091370-BLK1)										
Prepared & Analyzed: 21-Sep-06										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthene	BRL	U	µg/l	0.050						
Acenaphthylene	BRL	U	µg/l	0.050						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	0.050						
Anthracene	BRL	U	µg/l	5.00						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	0.050						
Benzo (a) pyrene	BRL	U	µg/l	0.050						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	0.050						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	0.050						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	0.050						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	0.050						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.050						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091370 - SW846 3510C										
Blank (6091370-BLK1)										
Prepared & Analyzed: 21-Sep-06										
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	0.050						
Fluorene	BRL	U	µg/l	0.050						
Fluorene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.050						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenanthrene	BRL	U	µg/l	0.050						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	0.050						
Pyridine	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	1.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	1.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	0.500						
Surrogate: 2-Fluorobiphenyl	*87.9*		µg/l		*100*		*87.9*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*87.9*		µg/l		*100*		*87.9*	*30-130*		
Surrogate: 2-Fluorophenol	*92.4*		µg/l		*100*		*92.4*	*15-110*		
Surrogate: Nitrobenzene-d5	*99.1*		µg/l		*100*		*99.1*	*30-130*		
Surrogate: Phenol-d5	*105*		µg/l		*100*		*105*	*15-110*		
Surrogate: Terphenyl-dl4	*85.1*		µg/l		*100*		*85.1*	*30-130*		
Surrogate: Terphenyl-dl4	*85.1*		µg/l		*100*		*85.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*81.6*		µg/l		*100*		*81.6*	*15-110*		
LCS (6091370-BS1)										
Prepared & Analyzed: 21-Sep-06										
Acenaphthene	85.0		µg/l	5.00	100		85.0	40-130		
Acenaphthene	85.0		µg/l	0.050	100		85.0	40-140		
Acenaphthylene	77.1		µg/l	0.050	100		77.1	40-140		
Acenaphthylene	77.1		µg/l	5.00	100		77.1	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091370 - SW846 3510C										
LCS (6091370-BS1)										
Prepared & Analyzed: 21-Sep-06										
Aniline	64.6		µg/l	5.00	100		64.6	40-130		
Anthracene	75.2		µg/l	0.050	100		75.2	40-140		
Anthracene	75.2		µg/l	5.00	100		75.2	40-130		
Atrazine	83.3		µg/l	5.00	100		83.3	0-200		
Azobenzene/Diphenyldiazine	83.3		µg/l	5.00	100		83.3	40-130		
Benzidine	40.3		µg/l	5.00	100		40.3	40-130		
Benzo (a) anthracene	73.8		µg/l	5.00	100		73.8	40-130		
Benzo (a) anthracene	73.8		µg/l	0.050	100		73.8	40-140		
Benzo (a) pyrene	79.4		µg/l	5.00	100		79.4	40-130		
Benzo (a) pyrene	79.4		µg/l	0.050	100		79.4	40-140		
Benzo (b) fluoranthene	88.5		µg/l	0.050	100		88.5	40-140		
Benzo (b) fluoranthene	88.5		µg/l	5.00	100		88.5	40-130		
Benzo (g,h,i) perylene	78.0		µg/l	5.00	100		78.0	40-130		
Benzo (g,h,i) perylene	78.0		µg/l	0.050	100		78.0	40-140		
Benzo (k) fluoranthene	68.7		µg/l	0.050	100		68.7	40-140		
Benzo (k) fluoranthene	68.7		µg/l	5.00	100		68.7	40-130		
Benzoic acid	93.9		µg/l	5.00	100		93.9	40-130		
Benzyl alcohol	108		µg/l	5.00	100		108	40-130		
Bis(2-chloroethoxy)methane	69.9		µg/l	5.00	100		69.9	40-130		
Bis(2-chloroethyl)ether	87.6		µg/l	5.00	100		87.6	40-130		
Bis(2-chloroisopropyl)ether	57.1		µg/l	5.00	100		57.1	40-130		
Bis(2-ethylhexyl)phthalate	59.6		µg/l	5.00	100		59.6	40-130		
4-Bromophenyl phenyl ether	84.2		µg/l	5.00	100		84.2	40-130		
Butyl benzyl phthalate	58.4		µg/l	5.00	100		58.4	40-130		
Carbazole	78.3		µg/l	5.00	100		78.3	40-130		
4-Chloro-3-methylphenol	75.4		µg/l	5.00	100		75.4	40-130		
4-Chloroaniline	49.9		µg/l	5.00	100		49.9	40-130		
2-Chloronaphthalene	69.2		µg/l	5.00	100		69.2	40-130		
2-Chlorophenol	78.0		µg/l	5.00	100		78.0	40-130		
4-Chlorophenyl phenyl ether	104		µg/l	5.00	100		104	40-130		
Chrysene	69.2		µg/l	0.050	100		69.2	40-140		
Chrysene	69.2		µg/l	5.00	100		69.2	40-130		
Dibenzo (a,h) anthracene	89.6		µg/l	0.050	100		89.6	40-140		
Dibenzo (a,h) anthracene	89.6		µg/l	5.00	100		89.6	40-130		
Dibenzofuran	79.3		µg/l	5.00	100		79.3	40-130		
1,2-Dichlorobenzene	64.8		µg/l	5.00	100		64.8	40-130		
1,3-Dichlorobenzene	62.1		µg/l	5.00	100		62.1	40-130		
1,4-Dichlorobenzene	65.8		µg/l	5.00	100		65.8	40-130		
3,3´-Dichlorobenzidine	85.0		µg/l	5.00	100		85.0	40-130		
2,4-Dichlorophenol	64.6		µg/l	5.00	100		64.6	40-130		
Diethyl phthalate	74.3		µg/l	5.00	100		74.3	40-130		
Dimethyl phthalate	72.5		µg/l	5.00	100		72.5	40-130		
2,4-Dimethylphenol	63.6		µg/l	5.00	100		63.6	40-130		
Di-n-butyl phthalate	74.6		µg/l	5.00	100		74.6	40-130		
4,6-Dinitro-2-methylphenol	79.4		µg/l	5.00	100		79.4	40-130		
2,4-Dinitrophenol	60.8		µg/l	5.00	100		60.8	40-130		
2,4-Dinitrotoluene	71.4		µg/l	5.00	100		71.4	40-130		
2,6-Dinitrotoluene	72.4		µg/l	5.00	100		72.4	40-130		
Di-n-octyl phthalate	61.8		µg/l	5.00	100		61.8	40-130		
Fluoranthene	93.4		µg/l	0.050	100		93.4	40-140		
Fluoranthene	93.4		µg/l	5.00	100		93.4	40-130		
Fluorene	91.8		µg/l	0.050	100		91.8	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091370 - SW846 3510C										
LCS (6091370-BS1)										
Prepared & Analyzed: 21-Sep-06										
Fluorene	91.8		µg/l	5.00	100		91.8	40-130		
Hexachlorobenzene	78.0		µg/l	5.00	100		78.0	40-130		
Hexachlorobutadiene	70.9		µg/l	5.00	100		70.9	40-130		
Hexachlorocyclopentadiene	81.2		µg/l	5.00	100		81.2	40-130		
Hexachloroethane	83.9		µg/l	5.00	100		83.9	40-130		
Indeno (1,2,3-cd) pyrene	81.4		µg/l	0.050	100		81.4	40-140		
Indeno (1,2,3-cd) pyrene	81.4		µg/l	5.00	100		81.4	40-130		
Isophorone	68.9		µg/l	5.00	100		68.9	40-130		
2-Methylnaphthalene	67.9		µg/l	5.00	100		67.9	40-130		
2-Methylphenol	90.2		µg/l	5.00	100		90.2	40-130		
3,4-Methylphenol	106		µg/l	10.0	100		106	40-130		
Naphthalene	72.2		µg/l	5.00	100		72.2	40-130		
2-Nitroaniline	68.0		µg/l	5.00	100		68.0	40-130		
3-Nitroaniline	66.8		µg/l	5.00	100		66.8	40-130		
4-Nitroaniline	70.4		µg/l	20.0	100		70.4	40-130		
Nitrobenzene	70.0		µg/l	5.00	100		70.0	40-130		
2-Nitrophenol	53.2		µg/l	5.00	100		53.2	40-130		
4-Nitrophenol	46.2		µg/l	20.0	100		46.2	40-130		
N-Nitrosodimethylamine	49.8		µg/l	5.00	100		49.8	40-130		
N-Nitrosodi-n-propylamine	109		µg/l	5.00	100		109	40-130		
N-Nitrosodiphenylamine	71.4		µg/l	5.00	100		71.4	40-130		
Pentachlorophenol	103		µg/l	20.0	100		103	40-130		
Phenanthrene	82.3		µg/l	0.050	100		82.3	40-140		
Phenanthrene	82.3		µg/l	5.00	100		82.3	40-130		
Phenol	96.9		µg/l	5.00	100		96.9	40-130		
Pyrene	68.8		µg/l	0.050	100		68.8	40-140		
Pyrene	68.8		µg/l	5.00	100		68.8	40-130		
Pyridine	50.2		µg/l	5.00	100		50.2	40-130		
Hexachlorobenzene	78.0		µg/l	1.00	100		78.0	40-140		
1-Methylnaphthalene	75.4		µg/l	5.00	100		75.4	40-140		
1,2,4-Trichlorobenzene	62.2		µg/l	5.00	100		62.2	40-130		
2,4,5-Trichlorophenol	64.4		µg/l	5.00	100		64.4	40-130		
Pentachlorophenol	103		µg/l	1.00	100		103	30-130		
2,4,6-Trichlorophenol	96.8		µg/l	5.00	100		96.8	40-130		
Hexachlorobutadiene	70.9		µg/l	0.500	100		70.9	40-140		
Surrogate: 2-Fluorobiphenyl	*88.6*		µg/l		*100*		*88.6*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*88.6*		µg/l		*100*		*88.6*	*30-130*		
Surrogate: 2-Fluorophenol	*73.4*		µg/l		*100*		*73.4*	*15-110*		
Surrogate: Nitrobenzene-d5	*79.5*		µg/l		*100*		*79.5*	*30-130*		
Surrogate: Phenol-d5	*98.7*		µg/l		*100*		*98.7*	*15-110*		
Surrogate: Terphenyl-dl4	*77.6*		µg/l		*100*		*77.6*	*30-130*		
Surrogate: Terphenyl-dl4	*77.6*		µg/l		*100*		*77.6*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*87.8*		µg/l		*100*		*87.8*	*15-110*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091638 - SW846 3005A										
Blank (6091638-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Selenium	BRL	U	mg/l	0.0150						
Antimony	BRL	U	mg/l	0.0060						
Manganese	BRL	U	mg/l	0.0010						
Nickel	BRL	U	mg/l	0.0050						
Lead	BRL	U	mg/l	0.0075						
Zinc	0.0077	J	mg/l	0.0200						
Iron	0.0296	QB-01	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0040						
Cadmium	BRL	U	mg/l	0.0025						
Beryllium	BRL	U	mg/l	0.0020						
Barium	BRL	U	mg/l	0.0050						
Copper	BRL	U	mg/l	0.0050						
LCS (6091638-BS1)										
Prepared & Analyzed: 26-Sep-06										
Iron	1.25		mg/l	0.0050	1.25		100	85-115		
Nickel	1.23		mg/l	0.0050	1.25		98.4	85-115		
Antimony	1.15		mg/l	0.0060	1.25		92.0	85-115		
Manganese	1.26		mg/l	0.0010	1.25		101	85-115		
Selenium	1.23		mg/l	0.0150	1.25		98.4	85-115		
Zinc	1.21		mg/l	0.0200	1.25		96.8	85-115		
Lead	1.20		mg/l	0.0075	1.25		96.0	85-115		
Cadmium	1.26		mg/l	0.0025	1.25		101	85-115		
Arsenic	1.20		mg/l	0.0040	1.25		96.0	85-115		
Barium	1.29		mg/l	0.0050	1.25		103	85-115		
Beryllium	1.22		mg/l	0.0020	1.25		97.6	85-115		
Copper	1.28		mg/l	0.0050	1.25		102	85-115		
Chromium	1.23		mg/l	0.0050	1.25		98.4	85-115		
LCS Dup (6091638-BSD1)										
Prepared & Analyzed: 26-Sep-06										
Antimony	1.18		mg/l	0.0060	1.25		94.4	85-115	2.58	20
Zinc	1.24		mg/l	0.0200	1.25		99.2	85-115	2.45	20
Nickel	1.25		mg/l	0.0050	1.25		100	85-115	1.61	20
Manganese	1.28		mg/l	0.0010	1.25		102	85-115	1.57	20
Selenium	1.25		mg/l	0.0150	1.25		100	85-115	1.61	20
Iron	1.32		mg/l	0.0050	1.25		106	85-115	5.45	20
Lead	1.22		mg/l	0.0075	1.25		97.6	85-115	1.65	20
Copper	1.30		mg/l	0.0050	1.25		104	85-115	1.55	20
Chromium	1.24		mg/l	0.0050	1.25		99.2	85-115	0.810	20
Beryllium	1.24		mg/l	0.0020	1.25		99.2	85-115	1.63	20
Barium	1.31		mg/l	0.0050	1.25		105	85-115	1.54	20
Arsenic	1.23		mg/l	0.0040	1.25		98.4	85-115	2.47	20
Cadmium	1.28		mg/l	0.0025	1.25		102	85-115	1.57	20
Duplicate (6091638-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Antimony	0.0010	J	mg/l	0.0060		0.0012			18.2	20
Zinc	0.0276		mg/l	0.0200		0.0318			14.1	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Nickel	0.0068		mg/l	0.0050		0.0073			7.09	20
Iron	10.3		mg/l	0.0050		10.7			3.81	20
Manganese	0.295		mg/l	0.0010		0.305			3.33	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091638 - SW846 3005A										
Duplicate (6091638-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Lead	0.0041	QR-01, J	mg/l	0.0075		0.0056			30.9	20
Chromium	0.0038	J	mg/l	0.0050		0.0036			5.41	20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Barium	0.0436		mg/l	0.0050		0.0451			3.38	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Cadmium	0.0003	QR-01, J	mg/l	0.0025		0.0005			50.0	20
Copper	0.0104		mg/l	0.0050		0.0091			13.3	20
Matrix Spike (6091638-MS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Lead	1.22		mg/l	0.0075	1.25	0.0056	97.2	75-125		
Zinc	1.26		mg/l	0.0200	1.25	0.0318	98.3	75-125		
Nickel	1.28		mg/l	0.0050	1.25	0.0073	102	75-125		
Manganese	1.60		mg/l	0.0010	1.25	0.305	104	75-125		
Iron	13.0	QM-4X	mg/l	0.0050	1.25	10.7	184	75-125		
Selenium	1.24		mg/l	0.0150	1.25	BRL	99.2	75-125		
Antimony	1.18		mg/l	0.0060	1.25	0.0012	94.3	75-125		
Arsenic	1.22		mg/l	0.0040	1.25	BRL	97.6	75-125		
Cadmium	1.29		mg/l	0.0025	1.25	0.0005	103	75-125		
Barium	1.36		mg/l	0.0050	1.25	0.0451	105	75-125		
Chromium	1.26		mg/l	0.0050	1.25	0.0036	101	75-125		
Copper	1.31		mg/l	0.0050	1.25	0.0091	104	75-125		
Beryllium	1.23		mg/l	0.0020	1.25	BRL	98.4	75-125		
Matrix Spike Dup (6091638-MSD1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Zinc	1.26		mg/l	0.0200	1.25	0.0318	98.3	75-125	0.00	20
Lead	1.21		mg/l	0.0075	1.25	0.0056	96.4	75-125	0.823	20
Nickel	1.27		mg/l	0.0050	1.25	0.0073	101	75-125	0.784	20
Manganese	1.60		mg/l	0.0010	1.25	0.305	104	75-125	0.00	20
Iron	13.9	QM-4X	mg/l	0.0050	1.25	10.7	256	75-125	6.69	20
Selenium	1.23		mg/l	0.0150	1.25	BRL	98.4	75-125	0.810	20
Antimony	1.17		mg/l	0.0060	1.25	0.0012	93.5	75-125	0.851	20
Beryllium	1.21		mg/l	0.0020	1.25	BRL	96.8	75-125	1.64	20
Barium	1.34		mg/l	0.0050	1.25	0.0451	104	75-125	1.48	20
Copper	1.31		mg/l	0.0050	1.25	0.0091	104	75-125	0.00	20
Arsenic	1.21		mg/l	0.0040	1.25	BRL	96.8	75-125	0.823	20
Cadmium	1.29		mg/l	0.0025	1.25	0.0005	103	75-125	0.00	20
Chromium	1.25		mg/l	0.0050	1.25	0.0036	99.7	75-125	0.797	20
Post Spike (6091638-PS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Nickel	1.24		mg/l	0.0050	1.25	0.0073	98.6	80-120		
Iron	10.6	QM-4X	mg/l	0.0050	1.25	10.7	NR	80-120		
Manganese	1.52		mg/l	0.0010	1.25	0.305	97.2	80-120		
Selenium	1.20		mg/l	0.0150	1.25	BRL	96.0	80-120		
Antimony	1.13		mg/l	0.0060	1.25	0.0012	90.3	80-120		
Zinc	1.22		mg/l	0.0200	1.25	0.0318	95.1	80-120		
Lead	1.18		mg/l	0.0075	1.25	0.0056	94.0	80-120		
Beryllium	1.17		mg/l	0.0020	1.25	BRL	93.6	80-120		
Chromium	1.22		mg/l	0.0050	1.25	0.0036	97.3	80-120		
Cadmium	1.25		mg/l	0.0025	1.25	0.0005	100	80-120		
Copper	1.27		mg/l	0.0050	1.25	0.0091	101	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091638 - SW846 3005A										
Post Spike (6091638-PS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Arsenic	1.18		mg/l	0.0040	1.25	BRL	94.4	80-120		
Barium	1.29		mg/l	0.0050	1.25	0.0451	99.6	80-120		
Batch 6091639 - SW846 3005A										
Blank (6091639-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Thallium	0.00004	J	mg/l	0.0002						
LCS (6091639-BS1)										
Prepared & Analyzed: 26-Sep-06										
Thallium	1.23		mg/l	0.0050	1.25		98.4	85-115		
LCS Dup (6091639-BSD1)										
Prepared & Analyzed: 26-Sep-06										
Thallium	1.21		mg/l	0.0050	1.25		96.8	85-115	1.64	20
Duplicate (6091639-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Thallium	0.0001	J	mg/l	0.0002		0.0001			0.00	20
Matrix Spike (6091639-MS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Thallium	1.25		mg/l	0.0050	1.25	0.0001	100	75-125		
Matrix Spike Dup (6091639-MSD1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Thallium	1.20		mg/l	0.0050	1.25	0.0001	96.0	75-125	4.08	20
Post Spike (6091639-PS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Thallium	1.26		mg/l	0.0025	1.25	0.0001	101	75-125		
Batch 6091844 - SW846 3005A										
Blank (6091844-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Silver	0.0027	J	mg/l	0.0050						
LCS (6091844-BS1)										
Prepared & Analyzed: 28-Sep-06										
Silver	0.390	QC-1	mg/l	0.0050	0.500		78.0	85-115		
LCS Dup (6091844-BSD1)										
Prepared & Analyzed: 28-Sep-06										
Silver	0.439		mg/l	0.0050	0.500		87.8	85-115	11.8	20
Duplicate (6091844-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Silver	0.0014	QR-01, J	mg/l	0.0050		0.0044			103	20
Matrix Spike (6091844-MS1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Silver	0.369	QM-07	mg/l	0.0050	0.500	0.0044	72.9	75-125		
Matrix Spike Dup (6091844-MSD1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Silver	0.387		mg/l	0.0050	0.500	0.0044	76.5	75-125	4.76	20

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091640 - EPA200/SW7000 Series										
Blank (6091640-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00010	J	mg/l	0.00020						
LCS (6091640-BS1)										
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00245		mg/l	0.00020	0.00250		98.0	80-120		
Duplicate (6091640-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00010	J	mg/l	0.00020		0.00010			0.00	20
Matrix Spike (6091640-MS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00211		mg/l	0.00020	0.00250	0.00010	80.4	75-125		
Matrix Spike Dup (6091640-MSD1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00221		mg/l	0.00020	0.00250	0.00010	84.4	75-125	4.63	20
Post Spike (6091640-PS1)	**Source: SA51332-04**									
Prepared & Analyzed: 26-Sep-06										
Mercury	0.00165	QC-1	mg/l	0.00020	0.00250	0.00010	62.0	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091407 - General Preparation										
Blank (6091407-BLK1)										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	BRL	U	mg/l	0.100						
Blank (6091407-BLK2)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	BRL	U	mg/l	0.100						
LCS (6091407-BS1)										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	2.01		mg/l	0.100	2.00		100	90-110		
LCS (6091407-BS2)										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	0.380		mg/l	0.100	0.400		95.0	90-110		
LCS (6091407-BS3)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	2.01		mg/l	0.100	2.00		100	90-110		
LCS (6091407-BS4)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	0.360		mg/l	0.100	0.400		90.0	90-110		
Duplicate (6091407-DUP1) **Source: SA51270-11**										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	0.0600	J	mg/l	0.100		0.0600			0.00	20
Duplicate (6091407-DUP2) **Source: SA51270-04**										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	7.53		mg/l	0.100		7.54			0.133	20
Matrix Spike (6091407-MS1) **Source: SA51270-11**										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	0.460		mg/l	0.100	0.400	0.0600	100	90-110		
Matrix Spike (6091407-MS2) **Source: SA51270-04**										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	8.03	QM-4X	mg/l	0.100	0.400	7.54	122	90-110		
Matrix Spike Dup (6091407-MSD1) **Source: SA51270-11**										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	0.460		mg/l	0.100	0.400	0.0600	100	90-110	0.00	20
Matrix Spike Dup (6091407-MSD2) **Source: SA51270-04**										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	8.01	QM-4X	mg/l	0.100	0.400	7.54	118	90-110	0.249	20
Reference (6091407-SRM1)										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	2.45		mg/l	0.100	2.50		98.0	90-110		
Reference (6091407-SRM2)										
Prepared & Analyzed: 20-Sep-06										
Nitrate as N	0.480		mg/l	0.100	0.500		96.0	90-110		
Reference (6091407-SRM3)										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	2.44		mg/l	0.100	2.50		97.6	90-110		
Reference (6091407-SRM4)										

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091407 - General Preparation										
Prepared: 20-Sep-06 Analyzed: 21-Sep-06										
Nitrate as N	0.470		mg/l	0.100	0.500		94.0	90-110		
Batch 6091877 - General Preparation										
Blank (6091877-BLK1)										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	BRL	U	mg/l	5.00						
Duplicate (6091877-DUP1) **Source: SA51332-04**										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	30.0		mg/l	5.00		29.0			3.39	20
Reference (6091877-SRM1)										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	484		mg/l	10.0	500		96.8	90-110		
Batch 6091885 - General Preparation										
Blank (6091885-BLK1)										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
LCS (6091885-BS1)										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.280		mg/l	0.0100	0.300		93.3	90-110		
Matrix Spike (6091885-MS1) **Source: SA51332-04**										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.284		mg/l	0.0100	0.300	BRL	94.7	75-125		
Matrix Spike Dup (6091885-MSD1) **Source: SA51332-04**										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.284		mg/l	0.0100	0.300	BRL	94.7	75-125	0.00	20

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51332					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/29/2006

SA51332-02

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
SA51332-01 44	9/19/2006	15:00	MW-109C	1							
				1	1 ✓	Liter	Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
02 49	9/19/2006	15:57	MW-110A	1							
				1	1 ✓	Liter	Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
03 54	9/19/2006	13:36	MW-111B	2							
				2	✓ 40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
04 96	9/18/2006	14:25	CFW-1	3							
				1	✓ 500	mL	Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1 ✓	Liter	Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	1 ✓	Liter	Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
05 156	9/20/2006	7:00	TB-404	2							
				2	✓ 40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T

SDG Number: S011 **Start Date:** 09/12/06 **End Date:** 1/1

* Extra Metals = Barium, Iron and Manganese

Relinquished: _____ **Date:** 09/20/06 **Time:** ~~1230~~ 1145

Received: _____ **Date:** 9/20/06 **Time:** 11:45 AM 9/20/06

Wednesday, September 20, 2006

DEC

1.0C cooler

SA51332-J

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
SA51332-01	44	9/19/2006	15:00 MW-109C	1						
				1	1 ✓	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
02	49	9/19/2006	15:57 MW-110A	1						
				1	1 ✓	Liter Amber Glass	4 Deg C	GW	PCBs (Total) - 8082	T
03	54	9/19/2006	13:36 MW-111B	2						
				2	✓ 40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
04	96	19 9/18/2006	945 ~~14:25~~ CFW-1	3						
				1	✓ 500	mL Plastic	HNO3, 4 Deg C	GW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	1 ✓	Liter Plastic	NaOH, 4 Deg C	GW	Cyanide -EPA 9010	T
				1	1 ✓	Liter Plastic	4 Deg C	GW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
05	156	9/20/2006	7:00 TB-404	2						
				2	✓ 40	mL Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T

SDG Number: S011 **Start Date:** 09/12/06 **End Date:** 1/1

* Extra Metals = Barium, Iron and Manganese

Relinquished: _____ **Date:** 09/20/06 **Time:** ~~1230~~ 1145

Received: _____ **Date:** 9/20/06 **Time:** 11:45 am 9/20/06 14:00

Wednesday, September 20, 2006

DEC

1.0C cooler

Report Date:
28-Sep-06 17:01

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51427-01	MW-105B	Ground Water	20-Sep-06 12:31	21-Sep-06 16:45
SA51427-02	MW-105C	Ground Water	20-Sep-06 14:06	21-Sep-06 16:45
SA51427-03	MW-109B	Ground Water	20-Sep-06 12:30	21-Sep-06 16:45
SA51427-04	MW-109D	Ground Water	20-Sep-06 14:20	21-Sep-06 16:45
SA51427-05	TB-405	Blank Water	21-Sep-06 07:00	21-Sep-06 16:45
SA51427-06	FD003	Ground Water	20-Sep-06 12:30	21-Sep-06 16:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 31 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

CASE NARRATIVE:

The data set for work order SA51427 complies with internal QC criteria for the methods performed. The samples were received @ 4.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-105B SA51427-01	[none]	Ground Water	20-Sep-06 12:31	21-Sep-06

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C

Prepared by method SW846 3510C

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	SW846 8270C	22-Sep-06	27-Sep-06	6091482	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.56	0.244	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.56	0.567	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	22.2	0.211	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.56	0.667	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-105B SA51427-01	[none]	Ground Water	20-Sep-06 12:31	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.56	0.111	1	SW846 8270C	22-Sep-06	27-Sep-06	6091482	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*95.0*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*95.5*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*75.4*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*93.7*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*108*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*111*	S-GC	*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	26-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*89.2*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*136*	S-GC	*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-105C SA51427-02	[none]	Ground Water	20-Sep-06 14:06	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	27-Sep-06	28-Sep-06	6091926	TR
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	2.2		µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	0.8	J	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	3.0		µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-105C SA51427-02	[none]	Ground Water	20-Sep-06 14:06	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	27-Sep-06	28-Sep-06	6091926	TR
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	62.6		µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96.2*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98.0*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	0.00816	J	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	27-Sep-06	28-Sep-06	6091859	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	0.0104	J	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	2.2	J	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*106*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*76.6*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109B SA51427-03	[none]	Ground Water	20-Sep-06 12:30	21-Sep-06

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C

Prepared by method SW846 3510C

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
62-53-3	Aniline	BRL	U	µg/l	5.26	0.400	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.26	0.589	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.26	1.00	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.26	0.600	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.26	0.505	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.26	0.232	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.26	0.379	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.26	0.147	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.26	0.326	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.26	0.253	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.26	0.389	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.26	0.537	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.26	0.316	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.5	0.253	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.26	0.179	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	21.1	0.200	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	21.1	0.274	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.26	0.632	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109B SA51427-03	[none]	Ground Water	20-Sep-06 12:30	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.26	0.105	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*79.5*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*31.0*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*54.8*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*43.3*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*110*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*106*		*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	26-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	0.042	J	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68.6*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*119*		*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109D SA51427-04	[none]	Ground Water	20-Sep-06 14:20	21-Sep-06

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C

Prepared by method SW846 3510C

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.56	0.244	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.56	0.567	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	22.2	0.211	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.56	0.667	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-109D SA51427-04	[none]	Ground Water	20-Sep-06 14:20	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.56	0.111	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*89.4*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*89.6*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71.2*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*91.0*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*117*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*110*		*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	26-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	0.033	J	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76.8*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*136*	S-GC	*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-405 SA51427-05	[none]	Blank Water	21-Sep-06 07:00	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	27-Sep-06	28-Sep-06	6091926	MM
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-405 SA51427-05	[none]	Blank Water	21-Sep-06 07:00	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	27-Sep-06	28-Sep-06	6091926	MM
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95.6*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97.8*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	27-Sep-06	28-Sep-06	6091859	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*108*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*78.8*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD003 SA51427-06	[none]	Ground Water	20-Sep-06 12:30	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.56	0.244	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.56	0.567	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	22.2	0.211	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.56	0.667	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD003 SA51427-06	[none]	Ground Water	20-Sep-06 12:30	21-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.56	0.111	1	SW846 8270C	22-Sep-06	26-Sep-06	6091482	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*89.6*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*93.9*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71.9*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*91.9*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*111*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*98.9*		*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	26-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68.7*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*112*		*30-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091859 - VPH										
Blank (6091859-BLK1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*55.8*		µg/l		*50.0*		*112*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*40.5*		µg/l		*50.0*		*81.0*	*70-130*		
LCS (6091859-BS1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	144		mg/l		140		103	70-130		
C9-C12 Aliphatic Hydrocarbons	62.6		mg/l		55.2		113	70-130		
C9-C10 Aromatic Hydrocarbons	29.0		mg/l		40.0		72.5	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	256		mg/l		280		91.4	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	91.7		mg/l		84.8		108	70-130		
Benzene	15.9		µg/l		20.0		79.5	70-130		
Ethylbenzene	16.0		µg/l		20.0		80.0	70-130		
Methyl tert-butyl ether	16.0		µg/l		20.0		80.0	70-130		
Naphthalene	17.7		µg/l		20.0		88.5	70-130		
Toluene	15.8		µg/l		20.0		79.0	70-130		
m,p-Xylene	31.8		µg/l		40.0		79.5	70-130		
o-Xylene	16.3		µg/l		20.0		81.5	70-130		
2-Methylpentane	20.7		µg/l		20.0		104	70-130		
n-Nonane	20.1		µg/l		20.0		100	70-130		
n-Pentane	21.9		µg/l		20.0		110	70-130		
1,2,4-Trimethylbenzene	16.6		µg/l		20.0		83.0	70-130		
2,2,4-Trimethylpentane	21.9		µg/l		20.0		110	70-130		
n-Butylcyclohexane	20.3		µg/l		20.0		102	70-130		
n-Decane	16.5		µg/l		20.0		82.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*56.5*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*36.5*		µg/l		*50.0*		*73.0*	*70-130*		
LCS Dup (6091859-BSD1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	139		mg/l		140		99.3	70-130	3.66	25
C9-C12 Aliphatic Hydrocarbons	67.5		mg/l		55.2		122	70-130	7.66	25
C9-C10 Aromatic Hydrocarbons	30.3		mg/l		40.0		75.8	70-130	4.45	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	252		mg/l		280		90.0	70-130	1.54	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	97.8		mg/l		84.8		115	70-130	6.28	25
Benzene	16.2		µg/l		20.0		81.0	70-130	1.87	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091859 - VPH										
LCS Dup (6091859-BSD1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
Ethylbenzene	16.1		µg/l		20.0		80.5	70-130	0.623	25
Methyl tert-butyl ether	16.5		µg/l		20.0		82.5	70-130	3.08	25
Naphthalene	18.2		µg/l		20.0		91.0	70-130	2.79	25
Toluene	16.1		µg/l		20.0		80.5	70-130	1.88	25
m,p-Xylene	31.9		µg/l		40.0		79.8	70-130	0.377	25
o-Xylene	16.2		µg/l		20.0		81.0	70-130	0.615	25
2-Methylpentane	22.0		µg/l		20.0		110	70-130	5.61	25
n-Nonane	22.2		µg/l		20.0		111	70-130	10.4	25
n-Pentane	21.7		µg/l		20.0		108	70-130	1.83	25
1,2,4-Trimethylbenzene	16.6		µg/l		20.0		83.0	70-130	0.00	25
2,2,4-Trimethylpentane	21.1		µg/l		20.0		106	70-130	3.70	25
n-Butylcyclohexane	22.4		µg/l		20.0		112	70-130	9.35	25
n-Decane	21.9	QR-02	µg/l		20.0		110	70-130	28.6	25
Surrogate: 2,5-Dibromotoluene (FID)	*60.2*		µg/l		*50.0*		*120*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*38.9*		µg/l		*50.0*		*77.8*	*70-130*		
Duplicate (6091859-DUP1) **Source: SA51270-01**										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*36.8*		µg/l		*50.0*		*73.6*	*70-130*		
Matrix Spike (6091859-MS1) **Source: SA51270-01**										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
Benzene	15.1		µg/l		20.0	BRL	75.5	70-130		
Ethylbenzene	14.8		µg/l		20.0	BRL	74.0	70-130		
Methyl tert-butyl ether	15.7		µg/l		20.0	BRL	78.5	70-130		
Naphthalene	16.4		µg/l		20.0	0.850	77.8	70-130		
Toluene	14.7		µg/l		20.0	BRL	73.5	70-130		
m,p-Xylene	29.0		µg/l		40.0	BRL	72.5	70-130		
o-Xylene	15.0		µg/l		20.0	BRL	75.0	70-130		
2-Methylpentane	20.1		µg/l		20.0	BRL	100	70-130		
n-Nonane	21.2		µg/l		20.0	0.632	103	70-130		
n-Pentane	19.9		µg/l		20.0	BRL	99.5	70-130		
1,2,4-Trimethylbenzene	15.2		µg/l		20.0	BRL	76.0	70-130		
2,2,4-Trimethylpentane	20.0		µg/l		20.0	BRL	100	70-130		
n-Butylcyclohexane	20.6		µg/l		20.0	1.12	97.4	70-130		
n-Decane	20.5		µg/l		20.0	0.991	97.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*55.7*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*35.7*		µg/l		*50.0*		*71.4*	*70-130*		
Batch 6091926 - SW846 5030 Water MS										
Blank (6091926-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091926 - SW846 5030 Water MS										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091926 - SW846 5030 Water MS										
Blank (6091926-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*46.5*		µg/l		*50.0*		*93.0*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
LCS (6091926-BS1)										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.6		µg/l		20.0		113	70-130		
Acetone	19.1		µg/l		20.0		95.5	28.5-162		
Acrylonitrile	20.3		µg/l		20.0		102	70-130		
Benzene	22.3		µg/l		20.0		112	70-130		
Bromobenzene	20.6		µg/l		20.0		103	70-130		
Bromochloromethane	20.0		µg/l		20.0		100	70-130		
Bromodichloromethane	22.2		µg/l		20.0		111	70-130		
Bromoform	17.0		µg/l		20.0		85.0	70-130		
Bromomethane	21.8		µg/l		20.0		109	43.9-144		
2-Butanone (MEK)	18.3		µg/l		20.0		91.5	46.8-144		
n-Butylbenzene	23.3		µg/l		20.0		116	70-130		
sec-Butylbenzene	21.7		µg/l		20.0		108	70-130		
tert-Butylbenzene	21.6		µg/l		20.0		108	70-130		
Carbon disulfide	22.2		µg/l		20.0		111	70-130		
Carbon tetrachloride	20.0		µg/l		20.0		100	70-130		
Chlorobenzene	21.1		µg/l		20.0		106	70-130		
Chloroethane	23.7		µg/l		20.0		118	55.2-136		
Chloroform	22.4		µg/l		20.0		112	70-130		
Chloromethane	25.5		µg/l		20.0		128	70-130		
2-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
4-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	18.2		µg/l		20.0		91.0	70-130		
Dibromochloromethane	19.3		µg/l		20.0		96.5	67.9-128		
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0		98.5	70-130		
Dibromomethane	20.0		µg/l		20.0		100	70-130		
1,2-Dichlorobenzene	21.8		µg/l		20.0		109	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091926 - SW846 5030 Water MS										
LCS (6091926-BS1)										
Prepared & Analyzed: 28-Sep-06										
1,3-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	29.6		µg/l		20.0		148	40.8-172		
1,1-Dichloroethane	22.6		µg/l		20.0		113	70-130		
1,2-Dichloroethane	20.3		µg/l		20.0		102	70-130		
1,1-Dichloroethene	23.2		µg/l		20.0		116	70-130		
cis-1,2-Dichloroethene	22.3		µg/l		20.0		112	70-130		
trans-1,2-Dichloroethene	21.5		µg/l		20.0		108	70-130		
1,2-Dichloropropane	22.4		µg/l		20.0		112	70-130		
1,3-Dichloropropane	20.6		µg/l		20.0		103	70-130		
2,2-Dichloropropane	21.6		µg/l		20.0		108	70-130		
1,1-Dichloropropene	23.2		µg/l		20.0		116	70-130		
cis-1,3-Dichloropropene	21.6		µg/l		20.0		108	70-130		
trans-1,3-Dichloropropene	20.7		µg/l		20.0		104	70-130		
Ethylbenzene	22.3		µg/l		20.0		112	70-130		
Hexachlorobutadiene	21.0		µg/l		20.0		105	66.3-135		
2-Hexanone (MBK)	19.6		µg/l		20.0		98.0	70-130		
Isopropylbenzene	20.2		µg/l		20.0		101	70-130		
4-Isopropyltoluene	23.6		µg/l		20.0		118	70-130		
Methyl tert-butyl ether	19.9		µg/l		20.0		99.5	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/l		20.0		93.0	48.6-137		
Methylene chloride	22.1		µg/l		20.0		110	70-130		
Naphthalene	19.0		µg/l		20.0		95.0	70-130		
n-Propylbenzene	21.6		µg/l		20.0		108	70-130		
Styrene	21.1		µg/l		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	20.0		µg/l		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	19.3		µg/l		20.0		96.5	70-130		
Tetrachloroethene	20.0		µg/l		20.0		100	70-130		
Toluene	21.8		µg/l		20.0		109	70-130		
1,2,3-Trichlorobenzene	18.9		µg/l		20.0		94.5	70-130		
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130		
1,1,1-Trichloroethane	21.1		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	22.1		µg/l		20.0		110	70-130		
Trichloroethene	22.0		µg/l		20.0		110	70-130		
Trichlorofluoromethane (Freon 11)	24.0		µg/l		20.0		120	57.3-141		
1,2,3-Trichloropropane	21.9		µg/l		20.0		110	70-130		
1,2,4-Trimethylbenzene	21.7		µg/l		20.0		108	70-130		
1,3,5-Trimethylbenzene	21.4		µg/l		20.0		107	70-130		
Vinyl chloride	26.2	QC-1	µg/l		20.0		131	70-130		
m,p-Xylene	44.4		µg/l		40.0		111	70-130		
o-Xylene	22.2		µg/l		20.0		111	70-130		
Tetrahydrofuran	18.2		µg/l		20.0		91.0	70-130		
Ethyl ether	20.6		µg/l		20.0		103	61.2-127		
Tert-amyl methyl ether	19.7		µg/l		20.0		98.5	70-130		
Ethyl tert-butyl ether	20.9		µg/l		20.0		104	70-130		
Di-isopropyl ether	21.6		µg/l		20.0		108	70-130		
Tert-Butanol / butyl alcohol	154		µg/l		200		77.0	70-130		
1,4-Dioxane	149		µg/l		200		74.5	43.3-143		
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.6*		µg/l		*50.0*		*95.2*	*70-130*		
Surrogate: Dibromofluoromethane	*46.9*		µg/l		*50.0*		*93.8*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091926 - SW846 5030 Water MS										
LCS Dup (6091926-BSD1)										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/l		20.0		105	70-130	7.34	25
Acetone	19.2		µg/l		20.0		96.0	28.5-162	0.522	50
Acrylonitrile	20.9		µg/l		20.0		104	70-130	1.94	25
Benzene	21.5		µg/l		20.0		108	70-130	3.64	25
Bromobenzene	19.6		µg/l		20.0		98.0	70-130	4.98	25
Bromochloromethane	19.8		µg/l		20.0		99.0	70-130	1.01	25
Bromodichloromethane	21.4		µg/l		20.0		107	70-130	3.67	25
Bromoform	16.5		µg/l		20.0		82.5	70-130	2.99	25
Bromomethane	20.4		µg/l		20.0		102	43.9-144	6.64	50
2-Butanone (MEK)	17.7		µg/l		20.0		88.5	46.8-144	3.33	50
n-Butylbenzene	21.3		µg/l		20.0		106	70-130	9.01	25
sec-Butylbenzene	19.8		µg/l		20.0		99.0	70-130	8.70	25
tert-Butylbenzene	20.0		µg/l		20.0		100	70-130	7.69	25
Carbon disulfide	20.9		µg/l		20.0		104	70-130	6.51	25
Carbon tetrachloride	18.2		µg/l		20.0		91.0	70-130	9.42	25
Chlorobenzene	19.9		µg/l		20.0		99.5	70-130	6.33	25
Chloroethane	22.9		µg/l		20.0		114	55.2-136	3.45	50
Chloroform	21.5		µg/l		20.0		108	70-130	3.64	25
Chloromethane	23.6		µg/l		20.0		118	70-130	8.13	25
2-Chlorotoluene	20.8		µg/l		20.0		104	70-130	6.51	25
4-Chlorotoluene	20.6		µg/l		20.0		103	70-130	7.48	25
1,2-Dibromo-3-chloropropane	18.5		µg/l		20.0		92.5	70-130	1.63	25
Dibromochloromethane	18.8		µg/l		20.0		94.0	67.9-128	2.62	50
1,2-Dibromoethane (EDB)	19.9		µg/l		20.0		99.5	70-130	1.01	25
Dibromomethane	19.6		µg/l		20.0		98.0	70-130	2.02	25
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	4.69	25
1,3-Dichlorobenzene	19.5		µg/l		20.0		97.5	70-130	8.35	25
1,4-Dichlorobenzene	19.6		µg/l		20.0		98.0	70-130	7.84	25
Dichlorodifluoromethane (Freon12)	27.6		µg/l		20.0		138	40.8-172	6.99	50
1,1-Dichloroethane	21.5		µg/l		20.0		108	70-130	4.52	25
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
1,1-Dichloroethene	22.0		µg/l		20.0		110	70-130	5.31	25
cis-1,2-Dichloroethene	21.4		µg/l		20.0		107	70-130	4.57	25
trans-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130	6.70	25
1,2-Dichloropropane	21.9		µg/l		20.0		110	70-130	1.80	25
1,3-Dichloropropane	20.6		µg/l		20.0		103	70-130	0.00	25
2,2-Dichloropropane	19.6		µg/l		20.0		98.0	70-130	9.71	25
1,1-Dichloropropene	21.3		µg/l		20.0		106	70-130	9.01	25
cis-1,3-Dichloropropene	20.6		µg/l		20.0		103	70-130	4.74	25
trans-1,3-Dichloropropene	20.0		µg/l		20.0		100	70-130	3.92	25
Ethylbenzene	20.7		µg/l		20.0		104	70-130	7.41	25
Hexachlorobutadiene	19.4		µg/l		20.0		97.0	66.3-135	7.92	50
2-Hexanone (MBK)	20.0		µg/l		20.0		100	70-130	2.02	25
Isopropylbenzene	18.7		µg/l		20.0		93.5	70-130	7.71	25
4-Isopropyltoluene	21.5		µg/l		20.0		108	70-130	8.85	25
Methyl tert-butyl ether	19.9		µg/l		20.0		99.5	70-130	0.00	25
4-Methyl-2-pentanone (MIBK)	19.1		µg/l		20.0		95.5	48.6-137	2.65	50
Methylene chloride	21.9		µg/l		20.0		110	70-130	0.00	25
Naphthalene	18.0		µg/l		20.0		90.0	70-130	5.41	25
n-Propylbenzene	19.8		µg/l		20.0		99.0	70-130	8.70	25
Styrene	19.9		µg/l		20.0		99.5	70-130	6.33	25
1,1,1,2-Tetrachloroethane	18.9		µg/l		20.0		94.5	70-130	5.66	25
1,1,2,2-Tetrachloroethane	18.8		µg/l		20.0		94.0	70-130	2.62	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091926 - SW846 5030 Water MS										
LCS Dup (6091926-BSD1)										
Prepared & Analyzed: 28-Sep-06										
Tetrachloroethene	18.6		µg/l		20.0		93.0	70-130	7.25	25
Toluene	20.5		µg/l		20.0		102	70-130	6.64	25
1,2,3-Trichlorobenzene	17.8		µg/l		20.0		89.0	70-130	5.99	25
1,2,4-Trichlorobenzene	18.4		µg/l		20.0		92.0	70-130	7.33	25
1,1,1-Trichloroethane	19.8		µg/l		20.0		99.0	70-130	6.83	25
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130	2.76	25
Trichloroethene	20.8		µg/l		20.0		104	70-130	5.61	25
Trichlorofluoromethane (Freon 11)	22.2		µg/l		20.0		111	57.3-141	7.79	50
1,2,3-Trichloropropane	21.4		µg/l		20.0		107	70-130	2.76	25
1,2,4-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130	8.70	25
1,3,5-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130	7.77	25
Vinyl chloride	24.6		µg/l		20.0		123	70-130	6.30	25
m,p-Xylene	41.4		µg/l		40.0		104	70-130	6.51	25
o-Xylene	20.7		µg/l		20.0		104	70-130	6.51	25
Tetrahydrofuran	18.6		µg/l		20.0		93.0	70-130	2.17	25
Ethyl ether	20.4		µg/l		20.0		102	61.2-127	0.976	50
Tert-amyl methyl ether	19.2		µg/l		20.0		96.0	70-130	2.57	25
Ethyl tert-butyl ether	20.8		µg/l		20.0		104	70-130	0.00	25
Di-isopropyl ether	21.2		µg/l		20.0		106	70-130	1.87	25
Tert-Butanol / butyl alcohol	164		µg/l		200		82.0	70-130	6.29	25
1,4-Dioxane	153		µg/l		200		76.5	43.3-143	2.65	25
Surrogate: 4-Bromofluorobenzene	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		
Surrogate: Dibromofluoromethane	*48.2*		µg/l		*50.0*		*96.4*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
Blank (6091482-BLK1)										
Prepared: 22-Sep-06 Analyzed: 24-Sep-06										
Acenaphthene	BRL	U	µg/l	0.050						
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	0.050						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	0.050						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	0.050						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	0.050						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	0.050						
Benzo (g,h,i) perylene	BRL	U	µg/l	0.050						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	0.050						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	0.050						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.050						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
Blank (6091482-BLK1)										
Prepared: 22-Sep-06 Analyzed: 24-Sep-06										
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	0.050						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	0.050						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.050						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenanthrene	BRL	U	µg/l	0.050						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	0.050						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	1.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	1.00						
Hexachlorobutadiene	BRL	U	µg/l	0.500						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*103*		µg/l		*100*		*103*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*103*		µg/l		*100*		*103*	*30-130*		
Surrogate: 2-Fluorophenol	*107*		µg/l		*100*		*107*	*15-110*		
Surrogate: Nitrobenzene-d5	*119*		µg/l		*100*		*119*	*30-130*		
Surrogate: Phenol-d5	*113*	S-GC	µg/l		*100*		*113*	*15-110*		
Surrogate: Terphenyl-dl4	*108*		µg/l		*100*		*108*	*30-130*		
Surrogate: Terphenyl-dl4	*108*		µg/l		*100*		*108*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*72.9*		µg/l		*100*		*72.9*	*15-110*		
Blank (6091482-BLK2)										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
Blank (6091482-BLK2)										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
Blank (6091482-BLK2)										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*67.5*		µg/l		*100*		*67.5*	*30-130*		
Surrogate: 2-Fluorophenol	*79.3*		µg/l		*100*		*79.3*	*15-110*		
Surrogate: Nitrobenzene-d5	*62.9*		µg/l		*100*		*62.9*	*30-130*		
Surrogate: Phenol-d5	*82.2*		µg/l		*100*		*82.2*	*15-110*		
Surrogate: Terphenyl-dl4	*72.8*		µg/l		*100*		*72.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*107*		µg/l		*100*		*107*	*15-110*		
LCS (6091482-BS1)										
Prepared: 22-Sep-06 Analyzed: 24-Sep-06										
Acenaphthene	91.4		µg/l	0.050	100		91.4	40-140		
Acenaphthene	91.4		µg/l	5.00	100		91.4	40-130		
Acenaphthylene	83.3		µg/l	0.050	100		83.3	40-140		
Acenaphthylene	83.3		µg/l	5.00	100		83.3	40-130		
Aniline	81.3		µg/l	5.00	100		81.3	40-130		
Anthracene	78.8		µg/l	0.050	100		78.8	40-140		
Anthracene	78.8		µg/l	5.00	100		78.8	40-130		
Atrazine	85.3		µg/l	5.00	100		85.3	0-200		
Azobenzene/Diphenyldiazine	80.2		µg/l	5.00	100		80.2	40-130		
Benzidine	21.6	QC-2	µg/l	5.00	100		21.6	40-130		
Benzo (a) anthracene	78.6		µg/l	0.050	100		78.6	40-140		
Benzo (a) anthracene	78.6		µg/l	5.00	100		78.6	40-130		
Benzo (a) pyrene	90.4		µg/l	0.050	100		90.4	40-140		
Benzo (a) pyrene	90.4		µg/l	5.00	100		90.4	40-130		
Benzo (b) fluoranthene	100		µg/l	0.050	100		100	40-140		
Benzo (b) fluoranthene	100		µg/l	5.00	100		100	40-130		
Benzo (g,h,i) perylene	86.3		µg/l	0.050	100		86.3	40-140		
Benzo (g,h,i) perylene	86.3		µg/l	5.00	100		86.3	40-130		
Benzo (k) fluoranthene	80.8		µg/l	0.050	100		80.8	40-140		
Benzo (k) fluoranthene	80.8		µg/l	5.00	100		80.8	40-130		
Benzoic acid	87.1		µg/l	5.00	100		87.1	40-130		
Benzyl alcohol	65.6		µg/l	5.00	100		65.6	40-130		
Bis(2-chloroethoxy)methane	78.0		µg/l	5.00	100		78.0	40-130		
Bis(2-chloroethyl)ether	111		µg/l	5.00	100		111	40-130		
Bis(2-chloroisopropyl)ether	86.1		µg/l	5.00	100		86.1	40-130		
Bis(2-ethylhexyl)phthalate	65.4		µg/l	5.00	100		65.4	40-130		
4-Bromophenyl phenyl ether	88.4		µg/l	5.00	100		88.4	40-130		
Butyl benzyl phthalate	64.0		µg/l	5.00	100		64.0	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
LCS (6091482-BS1)										
Prepared: 22-Sep-06 Analyzed: 24-Sep-06										
Carbazole	87.4		µg/l	5.00	100		87.4	40-130		
4-Chloro-3-methylphenol	81.3		µg/l	5.00	100		81.3	40-130		
4-Chloroaniline	53.8		µg/l	5.00	100		53.8	40-130		
2-Chloronaphthalene	72.5		µg/l	5.00	100		72.5	40-130		
2-Chlorophenol	86.4		µg/l	5.00	100		86.4	40-130		
4-Chlorophenyl phenyl ether	114		µg/l	5.00	100		114	40-130		
Chrysene	72.8		µg/l	0.050	100		72.8	40-140		
Chrysene	72.8		µg/l	5.00	100		72.8	40-130		
Dibenzo (a,h) anthracene	102		µg/l	0.050	100		102	40-140		
Dibenzo (a,h) anthracene	102		µg/l	5.00	100		102	40-130		
Dibenzofuran	84.4		µg/l	5.00	100		84.4	40-130		
1,2-Dichlorobenzene	70.9		µg/l	5.00	100		70.9	40-130		
1,3-Dichlorobenzene	67.5		µg/l	5.00	100		67.5	40-130		
1,4-Dichlorobenzene	71.4		µg/l	5.00	100		71.4	40-130		
3,3´-Dichlorobenzidine	91.7		µg/l	5.00	100		91.7	40-130		
2,4-Dichlorophenol	65.2		µg/l	5.00	100		65.2	40-130		
Diethyl phthalate	76.0		µg/l	5.00	100		76.0	40-130		
Dimethyl phthalate	70.0		µg/l	5.00	100		70.0	40-130		
2,4-Dimethylphenol	66.3		µg/l	5.00	100		66.3	40-130		
Di-n-butyl phthalate	82.9		µg/l	5.00	100		82.9	40-130		
4,6-Dinitro-2-methylphenol	90.5		µg/l	5.00	100		90.5	40-130		
2,4-Dinitrophenol	63.9		µg/l	5.00	100		63.9	40-130		
2,4-Dinitrotoluene	60.9		µg/l	5.00	100		60.9	40-130		
2,6-Dinitrotoluene	60.7		µg/l	5.00	100		60.7	40-130		
Di-n-octyl phthalate	73.7		µg/l	5.00	100		73.7	40-130		
Fluoranthene	104		µg/l	0.050	100		104	40-140		
Fluoranthene	104		µg/l	5.00	100		104	40-130		
Fluorene	104		µg/l	0.050	100		104	40-140		
Fluorene	104		µg/l	5.00	100		104	40-130		
Hexachlorobenzene	80.2		µg/l	5.00	100		80.2	40-130		
Hexachlorobutadiene	74.2		µg/l	5.00	100		74.2	40-130		
Hexachlorocyclopentadiene	87.8		µg/l	5.00	100		87.8	40-130		
Hexachloroethane	108		µg/l	5.00	100		108	40-130		
Indeno (1,2,3-cd) pyrene	87.1		µg/l	0.050	100		87.1	40-140		
Indeno (1,2,3-cd) pyrene	87.1		µg/l	5.00	100		87.1	40-130		
Isophorone	78.7		µg/l	5.00	100		78.7	40-130		
2-Methylnaphthalene	71.4		µg/l	5.00	100		71.4	40-130		
2-Methylphenol	106		µg/l	5.00	100		106	40-130		
3,4-Methylphenol	104		µg/l	10.0	100		104	40-130		
Naphthalene	78.8		µg/l	5.00	100		78.8	40-130		
2-Nitroaniline	72.3		µg/l	5.00	100		72.3	40-130		
3-Nitroaniline	65.2		µg/l	5.00	100		65.2	40-130		
4-Nitroaniline	75.1		µg/l	20.0	100		75.1	40-130		
Nitrobenzene	82.7		µg/l	5.00	100		82.7	40-130		
2-Nitrophenol	52.8		µg/l	5.00	100		52.8	40-130		
4-Nitrophenol	88.6		µg/l	20.0	100		88.6	40-130		
N-Nitrosodimethylamine	40.8		µg/l	5.00	100		40.8	40-130		
N-Nitrosodi-n-propylamine	72.3		µg/l	5.00	100		72.3	40-130		
N-Nitrosodiphenylamine	76.3		µg/l	5.00	100		76.3	40-130		
Pentachlorophenol	103		µg/l	20.0	100		103	40-130		
Phenanthrene	94.0		µg/l	5.00	100		94.0	40-130		
Phenanthrene	94.0		µg/l	0.050	100		94.0	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
LCS (6091482-BS1)										
Prepared: 22-Sep-06 Analyzed: 24-Sep-06										
Phenol	114		µg/l	5.00	100		114	40-130		
Pyrene	73.6		µg/l	0.050	100		73.6	40-140		
Pyrene	73.6		µg/l	5.00	100		73.6	40-130		
Pyridine	49.0		µg/l	5.00	100		49.0	40-130		
Hexachlorobenzene	80.2		µg/l	1.00	100		80.2	40-140		
1,2,4-Trichlorobenzene	63.0		µg/l	5.00	100		63.0	40-130		
1-Methylnaphthalene	80.6		µg/l	5.00	100		80.6	40-140		
2,4,5-Trichlorophenol	59.8		µg/l	5.00	100		59.8	40-130		
Pentachlorophenol	103		µg/l	1.00	100		103	30-130		
Hexachlorobutadiene	74.2		µg/l	0.500	100		74.2	40-140		
2,4,6-Trichlorophenol	93.8		µg/l	5.00	100		93.8	40-130		
Surrogate: 2-Fluorobiphenyl	*98.3*		µg/l		*100*		*98.3*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*98.3*		µg/l		*100*		*98.3*	*30-130*		
Surrogate: 2-Fluorophenol	*83.2*		µg/l		*100*		*83.2*	*15-110*		
Surrogate: Nitrobenzene-d5	*97.0*		µg/l		*100*		*97.0*	*30-130*		
Surrogate: Phenol-d5	*119*	S-GC	µg/l		*100*		*119*	*15-110*		
Surrogate: Terphenyl-dl4	*83.1*		µg/l		*100*		*83.1*	*30-130*		
Surrogate: Terphenyl-dl4	*83.1*		µg/l		*100*		*83.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*71.0*		µg/l		*100*		*71.0*	*15-110*		
LCS (6091482-BS2)										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	78.5		µg/l	5.00	100		78.5	40-130		
Acenaphthylene	78.8		µg/l	5.00	100		78.8	40-130		
Aniline	86.0		µg/l	5.00	100		86.0	40-130		
Anthracene	69.0		µg/l	5.00	100		69.0	40-130		
Atrazine	90.7		µg/l	5.00	100		90.7	0-200		
Azobenzene/Diphenyldiazine	59.0		µg/l	5.00	100		59.0	40-130		
Benzidine	24.0	QC-2	µg/l	5.00	100		24.0	40-130		
Benzo (a) anthracene	77.4		µg/l	5.00	100		77.4	40-130		
Benzo (a) pyrene	76.0		µg/l	5.00	100		76.0	40-130		
Benzo (b) fluoranthene	87.2		µg/l	5.00	100		87.2	40-130		
Benzo (g,h,i) perylene	57.2		µg/l	5.00	100		57.2	40-130		
Benzo (k) fluoranthene	88.9		µg/l	5.00	100		88.9	40-130		
Benzoic acid	84.4		µg/l	5.00	100		84.4	40-130		
Benzyl alcohol	75.0		µg/l	5.00	100		75.0	40-130		
Bis(2-chloroethoxy)methane	71.9		µg/l	5.00	100		71.9	40-130		
Bis(2-chloroethyl)ether	62.4		µg/l	5.00	100		62.4	40-130		
Bis(2-chloroisopropyl)ether	79.2		µg/l	5.00	100		79.2	40-130		
Bis(2-ethylhexyl)phthalate	71.0		µg/l	5.00	100		71.0	40-130		
4-Bromophenyl phenyl ether	93.0		µg/l	5.00	100		93.0	40-130		
Butyl benzyl phthalate	69.8		µg/l	5.00	100		69.8	40-130		
Carbazole	71.0		µg/l	5.00	100		71.0	40-130		
4-Chloro-3-methylphenol	73.2		µg/l	5.00	100		73.2	40-130		
4-Chloroaniline	62.0		µg/l	5.00	100		62.0	40-130		
2-Chloronaphthalene	70.4		µg/l	5.00	100		70.4	40-130		
2-Chlorophenol	74.8		µg/l	5.00	100		74.8	40-130		
4-Chlorophenyl phenyl ether	81.4		µg/l	5.00	100		81.4	40-130		
Chrysene	74.3		µg/l	5.00	100		74.3	40-130		
Dibenzo (a,h) anthracene	61.5		µg/l	5.00	100		61.5	40-130		
Dibenzofuran	70.4		µg/l	5.00	100		70.4	40-130		
1,2-Dichlorobenzene	70.7		µg/l	5.00	100		70.7	40-130		
1,3-Dichlorobenzene	78.5		µg/l	5.00	100		78.5	40-130		
1,4-Dichlorobenzene	64.3		µg/l	5.00	100		64.3	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
LCS (6091482-BS2)										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
3,3´-Dichlorobenzidine	66.6		µg/l	5.00	100		66.6	40-130		
2,4-Dichlorophenol	79.6		µg/l	5.00	100		79.6	40-130		
Diethyl phthalate	76.5		µg/l	5.00	100		76.5	40-130		
Dimethyl phthalate	78.9		µg/l	5.00	100		78.9	40-130		
2,4-Dimethylphenol	70.3		µg/l	5.00	100		70.3	40-130		
Di-n-butyl phthalate	68.0		µg/l	5.00	100		68.0	40-130		
4,6-Dinitro-2-methylphenol	86.1		µg/l	5.00	100		86.1	40-130		
2,4-Dinitrophenol	73.8		µg/l	5.00	100		73.8	40-130		
2,4-Dinitrotoluene	76.2		µg/l	5.00	100		76.2	40-130		
2,6-Dinitrotoluene	74.9		µg/l	5.00	100		74.9	40-130		
Di-n-octyl phthalate	88.3		µg/l	5.00	100		88.3	40-130		
Fluoranthene	76.8		µg/l	5.00	100		76.8	40-130		
Fluorene	75.0		µg/l	5.00	100		75.0	40-130		
Hexachlorobenzene	90.5		µg/l	5.00	100		90.5	40-130		
Hexachlorobutadiene	82.9		µg/l	5.00	100		82.9	40-130		
Hexachlorocyclopentadiene	90.8		µg/l	5.00	100		90.8	40-130		
Hexachloroethane	76.6		µg/l	5.00	100		76.6	40-130		
Indeno (1,2,3-cd) pyrene	59.6		µg/l	5.00	100		59.6	40-130		
Isophorone	65.5		µg/l	5.00	100		65.5	40-130		
2-Methylnaphthalene	66.0		µg/l	5.00	100		66.0	40-130		
2-Methylphenol	70.6		µg/l	5.00	100		70.6	40-130		
3,4-Methylphenol	83.1		µg/l	10.0	100		83.1	40-130		
Naphthalene	70.8		µg/l	5.00	100		70.8	40-130		
2-Nitroaniline	79.1		µg/l	5.00	100		79.1	40-130		
3-Nitroaniline	65.5		µg/l	5.00	100		65.5	40-130		
4-Nitroaniline	77.2		µg/l	20.0	100		77.2	40-130		
Nitrobenzene	56.6		µg/l	5.00	100		56.6	40-130		
2-Nitrophenol	76.6		µg/l	5.00	100		76.6	40-130		
4-Nitrophenol	75.6		µg/l	20.0	100		75.6	40-130		
N-Nitrosodimethylamine	83.6		µg/l	5.00	100		83.6	40-130		
N-Nitrosodi-n-propylamine	59.0		µg/l	5.00	100		59.0	40-130		
N-Nitrosodiphenylamine	76.1		µg/l	5.00	100		76.1	40-130		
Pentachlorophenol	109		µg/l	20.0	100		109	40-130		
Phenanthrene	79.8		µg/l	5.00	100		79.8	40-130		
Phenol	65.7		µg/l	5.00	100		65.7	40-130		
Pyrene	80.4		µg/l	5.00	100		80.4	40-130		
Pyridine	86.4		µg/l	5.00	100		86.4	40-130		
1-Methylnaphthalene	71.3		µg/l	5.00	100		71.3	40-140		
1,2,4-Trichlorobenzene	75.8		µg/l	5.00	100		75.8	40-130		
2,4,5-Trichlorophenol	77.4		µg/l	5.00	100		77.4	40-130		
2,4,6-Trichlorophenol	87.9		µg/l	5.00	100		87.9	40-130		
Surrogate: 2-Fluorobiphenyl	*68.9*		µg/l		*100*		*68.9*	*30-130*		
Surrogate: 2-Fluorophenol	*62.7*		µg/l		*100*		*62.7*	*15-110*		
Surrogate: Nitrobenzene-d5	*57.8*		µg/l		*100*		*57.8*	*30-130*		
Surrogate: Phenol-d5	*59.9*		µg/l		*100*		*59.9*	*15-110*		
Surrogate: Terphenyl-dl4	*77.5*		µg/l		*100*		*77.5*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*100*		µg/l		*100*		*100*	*15-110*		
Matrix Spike (6091482-MS1) **Source: SA51427-03**										
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	80.7		µg/l	5.41	108	BRL	74.7	40-140		
Benzo (b) fluoranthene	85.4		µg/l	5.41	108	BRL	79.1	40-140		
Benzo (k) fluoranthene	99.4		µg/l	5.41	108	BRL	92.0	40-140		
4-Chloro-3-methylphenol	77.8		µg/l	5.41	108	BRL	72.0	30-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091482 - SW846 3510C										
Matrix Spike (6091482-MS1)	**Source: SA51427-03**									
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
2-Chlorophenol	75.2		µg/l	5.41	108	BRL	69.6	30-130		
Chrysene	76.8		µg/l	5.41	108	BRL	71.1	40-140		
1,4-Dichlorobenzene	64.1		µg/l	5.41	108	BRL	59.4	40-140		
Indeno (1,2,3-cd) pyrene	56.8		µg/l	5.41	108	BRL	52.6	40-140		
Naphthalene	72.5		µg/l	5.41	108	BRL	67.1	40-140		
4-Nitrophenol	88.0		µg/l	21.6	108	BRL	81.5	30-130		
N-Nitrosodi-n-propylamine	50.8		µg/l	5.41	108	BRL	47.0	40-140		
Pentachlorophenol	116		µg/l	21.6	108	BRL	107	30-130		
Phenol	68.4		µg/l	5.41	108	BRL	63.3	30-130		
Pyrene	78.5		µg/l	5.41	108	BRL	72.7	40-140		
1,2,4-Trichlorobenzene	74.8		µg/l	5.41	108	BRL	69.3	40-140		
Surrogate: 2-Fluorobiphenyl	*49.5*		µg/l		*108*		*45.8*	*30-130*		
Surrogate: 2-Fluorophenol	*41.0*		µg/l		*108*		*38.0*	*15-110*		
Surrogate: Nitrobenzene-d5	*37.8*		µg/l		*108*		*35.0*	*30-130*		
Surrogate: Phenol-d5	*41.6*		µg/l		*108*		*38.5*	*15-110*		
Surrogate: Terphenyl-dl4	*54.1*		µg/l		*108*		*50.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*73.6*		µg/l		*108*		*68.1*	*15-110*		
Matrix Spike Dup (6091482-MSD1)	**Source: SA51427-03**									
Prepared: 22-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	72.8		µg/l	5.26	105	BRL	69.3	40-140	7.50	20
Benzo (b) fluoranthene	73.7		µg/l	5.26	105	BRL	70.2	40-140	11.9	20
Benzo (k) fluoranthene	82.3		µg/l	5.26	105	BRL	78.4	40-140	16.0	20
4-Chloro-3-methylphenol	69.4		µg/l	5.26	105	BRL	66.1	30-130	8.54	20
2-Chlorophenol	69.9		µg/l	5.26	105	BRL	66.6	30-130	4.41	20
Chrysene	69.5		µg/l	5.26	105	BRL	66.2	40-140	7.14	20
1,4-Dichlorobenzene	59.9		µg/l	5.26	105	BRL	57.0	40-140	4.12	20
Indeno (1,2,3-cd) pyrene	58.9		µg/l	5.26	105	BRL	56.1	40-140	6.44	20
Naphthalene	67.5		µg/l	5.26	105	BRL	64.3	40-140	4.26	20
4-Nitrophenol	83.2		µg/l	21.1	105	BRL	79.2	30-130	2.86	20
N-Nitrosodi-n-propylamine	45.4		µg/l	5.26	105	BRL	43.2	40-140	8.43	20
Pentachlorophenol	95.2		µg/l	21.1	105	BRL	90.7	30-130	16.5	20
Phenol	60.7		µg/l	5.26	105	BRL	57.8	30-130	9.08	20
Pyrene	75.0		µg/l	5.26	105	BRL	71.4	40-140	1.80	20
1,2,4-Trichlorobenzene	68.7		µg/l	5.26	105	BRL	65.4	40-140	5.79	20
Surrogate: 2-Fluorobiphenyl	*44.8*		µg/l		*105*		*42.7*	*30-130*		
Surrogate: 2-Fluorophenol	*37.7*		µg/l		*105*		*35.9*	*15-110*		
Surrogate: Nitrobenzene-d5	*34.3*		µg/l		*105*		*32.7*	*30-130*		
Surrogate: Phenol-d5	*37.7*		µg/l		*105*		*35.9*	*15-110*		
Surrogate: Terphenyl-dl4	*50.9*		µg/l		*105*		*48.5*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*63.6*		µg/l		*105*		*60.6*	*15-110*		

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51427					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/28/2006

SA51427

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
SA51427-01	29	9/20/2006	12:31 MW-105B	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
02	30	9/20/2006	14:06 MW-105C	6						
		SDG: Soil2		2	40	mL Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				2	40	mL Glass Vials	4 Deg C	GW	Alcohol - 8015M	T
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
03	43	9/20/2006	12:30 MW-109B	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
04	45	9/20/2006	14:20 MW-109D	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
05	157	9/21/2006	7:00 TB-405	#2						
		SDG : Soil		1/2	40	mL Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
				1/2	40	mL Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T
06	168	9/20/2006	12:30 FD003	1						
		SDG: Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
03	169	9/20/2006	12:30 MS003-MW-109B	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T

SAS.1427

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
SAS1427-03	170	9/20/2006	12:30 MSD003-MW-109B	1						
			SDG: Soil	1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T

SDG Number: S011 ; SOIL **Start Date:** 09/12/06 **End Date:** __/__/__

* Extra Metals = Barium, Iron and Manganese

Relinquished: _____ **Date:** 09/21/06 **Time:** 1035

Received: _____ **Date:** 09/21/06 **Time:** 445 4°C Custody seal intact

SA 51427 mr

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
SA51427-01	29	9/20/2006	12:31 MW-105B ✓	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
02	30	9/20/2006	14:06 MW-105C ✓	6						
		SDG: Soil2		2	40	mL Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				~~2~~	~~40~~	~~mL Glass Vials~~	~~4 Deg C~~	~~GW~~	~~Alcohol - 8015M~~	~~T~~
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
03	43	9/20/2006	12:30 MW-109B	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
04	45	9/20/2006	14:20 MW-109D	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
05 ✓	157	9/21/2006	7:00 TB-405	#2						
		SDG : Soil		1/2	40	mL Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
				1/2	40	mL Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T
06	168	9/20/2006	12:30 FD003	1						
		SDG: Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
03	169	9/20/2006	12:30 MS003-MW-109B	1						
		SDG : Soil		1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T

cancel percent ~~soil~~ email

Report Date:
02-Oct-06 10:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51461-01	CW-10	Ground Water	21-Sep-06 13:00	22-Sep-06 13:13
SA51461-02	MW-110C	Ground Water	21-Sep-06 11:30	22-Sep-06 13:13
SA51461-03	TB-406	Blank Water	22-Sep-06 07:00	22-Sep-06 13:13
SA51461-04	EB-401	Blank Water	21-Sep-06 18:15	22-Sep-06 13:13
SA51461-05	EB-402	Blank Water	21-Sep-06 18:20	22-Sep-06 13:13

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 48 pages of analytical data plus Chain of Custody document(s).
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Rhode Island # 98
USDA # S-51435
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Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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CASE NARRATIVE:

The data set for work order SA51461 complies with internal QC criteria for the methods performed. The samples were received @ 5.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CW-10 SA51461-01	[none]	Ground Water	21-Sep-06 13:00	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	SW846 8270C	25-Sep-06	26-Sep-06	6091624	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.56	0.244	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.56	0.567	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	22.2	0.211	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.56	0.667	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CW-10 SA51461-01	[none]	Ground Water	21-Sep-06 13:00	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
110-86-1	Pyridine	BRL	U	µg/l	5.56	0.111	1	SW846 8270C	25-Sep-06	26-Sep-06	6091624	M.B
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*74.5*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*77.5*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*59.7*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*78.4*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*88.1*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*106*		*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	26-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*65.8*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*95.5*		*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-110C SA51461-02	[none]	Ground Water	21-Sep-06 11:30	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	0.5	J	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-110C SA51461-02	[none]	Ground Water	21-Sep-06 11:30	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	56.6		µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*106*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-406 SA51461-03	[none]	Blank Water	22-Sep-06 07:00	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-406 SA51461-03	[none]	Blank Water	22-Sep-06 07:00	22-Sep-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*104*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*108*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06
SA51461-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	7.9		µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06
SA51461-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*104*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*108*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	27-Sep-06	28-Sep-06	6091859	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*109*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*79.6*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06
SA51461-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Organic Compounds by Modified SW846 8015												
Alcohol Analysis												
Prepared by method SW846 8015 Mod.												
71-36-3	n-Butyl alcohol	BRL	U	mg/l	1.00	1.00	1	+SW846 8015 Mod	28-Sep-06	28-Sep-06	6091911	JD
67-56-1	Methanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
64-17-5	Ethanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
71-23-8	n-Propanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
78-83-1	Isobutanol	BRL	U	mg/l	1.00	1.00	1	"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	25-Sep-06	28-Sep-06	6091586	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	1.00	0.190	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	1.00	0.150	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	1.00	0.230	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	1.00	0.150	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	1.00	0.350	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	1.00	0.320	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	1.00	0.0700	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	1.00	0.660	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	1.00	0.200	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.170	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500	0.230	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500	0.0800	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	1.00	0.140	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*50.3*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*63.3*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*72.9*		*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*80.8*		*40-140 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	PCB 1016	BRL	U	µg/l	0.216	0.0703	1	SW846 8082	25-Sep-06	25-Sep-06	6091596	TG
11104-28-2	PCB 1221	BRL	U	µg/l	0.216	0.0681	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/l	0.216	0.165	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/l	0.216	0.142	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401 SA51461-04	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12672-29-6	PCB 1248	BRL	U	µg/l	0.216	0.167	1	SW846 8082	25-Sep-06	25-Sep-06	6091596	TG
11097-69-1	PCB 1254	BRL	U	µg/l	0.216	0.0502	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/l	0.216	0.0581	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL	U	µg/l	0.216	0.0259	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL	U	µg/l	0.216	0.125	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61.6*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*79.2*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
62-53-3	Aniline	BRL	U	µg/l	5.26	0.400	1	SW846 8270C	26-Sep-06	28-Sep-06	6091711	M.B
1912-24-9	Atrazine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.26	0.589	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.26	0.0947	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.26	1.00	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.26	0.600	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.26	0.505	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.26	0.232	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.26	0.379	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.26	0.168	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.26	0.147	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.26	0.137	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.26	0.326	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.26	0.126	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.26	0.253	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.26	0.389	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.26	0.537	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.26	0.316	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.26	0.221	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401 SA51461-04	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.5	0.253	1	SW846 8270C	26-Sep-06	28-Sep-06	6091711	M.B
91-20-3	Naphthalene	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.26	0.0632	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.26	0.179	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	21.1	0.200	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.26	0.189	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	21.1	0.274	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.26	0.632	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.26	0.0737	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.26	0.105	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76.6*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*77.2*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*59.5*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*77.4*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*82.9*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*118*	S-GC	*15-110 %*				"	"	"	"	"
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	0.200	0.040	1	SW846 8270C/EPA 625 SIM	"	28-Sep-06	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	0.200	0.060	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	0.200	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	0.200	0.040	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	0.200	0.020	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	1.00	0.040	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.200	0.180	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75.7*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*107*		*30-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-401 SA51461-04	[none]	Blank Water	21-Sep-06 18:15	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	28-Sep-06	28-Sep-06	6091844	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	27-Sep-06	27-Sep-06	6091742	TGP
7440-42-8	Boron	BRL	U	mg/l	0.0100	0.0032	1	"	"	"	"	"
7440-39-3	Barium	0.0016	J	mg/l	0.0050	0.0012	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0050	0.0010	1	"	28-Sep-06	28-Sep-06	6091844	LR
7439-89-6	Iron	0.0204		mg/l	0.0125	0.0024	1	"	27-Sep-06	27-Sep-06	6091742	TGP
7439-96-5	Manganese	0.0040		mg/l	0.0010	0.0008	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	0.0024	J	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0008	J	mg/l	0.0060	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.0001	J	mg/l	0.0002	0.000005	1	SW846 6020	"	27-Sep-06	6091743	LR
7440-66-6	Zinc	0.0151		mg/l	0.0050	0.0039	1	SW846 6010B	"	27-Sep-06	6091742	TGP
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	27-Sep-06	27-Sep-06	6091744	BT
General Chemistry Parameters												
	Total Alkalinity	1.00		mg/L CaCO3	1.00	0.760	1	SM2320B	26-Sep-06	26-Sep-06	6091760	BD
16887-00-6	Chloride	0.240	J	mg/l	1.00	0.0500	1	EPA 300.0	22-Sep-06	22-Sep-06	6091655	Al
	Chemical Oxygen Demand	BRL	U	mg/l	5.00	4.10	1	410.4/HACH8000	28-Sep-06	29-Sep-06	6092058	RLT
57-12-5	Cyanide (total)	BRL	U	mg/l	0.0100	0.00300	1	10-204-00-1-A / SW846 9012A	27-Sep-06	27-Sep-06	6091885	JAK
14797-55-8	Nitrate as N	BRL	U	mg/l	0.100	0.0300	1	EPA 300.0	22-Sep-06 12:15	22-Sep-06	6091655	Al
	Total Dissolved Solids	12.0		mg/l	5.00	5.00	1	SM2540 C	26-Sep-06	27-Sep-06	6091877	RLT
14808-79-8	Sulfate as SO4	0.120	J	mg/l	1.00	0.0600	1	EPA 300.0	28-Sep-06	29-Sep-06	6092076	Alex

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-402	[none]	Blank Water	21-Sep-06 18:20	22-Sep-06
SA51461-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	7.8		µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-402 SA51461-05	[none]	Blank Water	21-Sep-06 18:20	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	28-Sep-06	28-Sep-06	6091959	ek
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*108*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091859 - VPH										
Blank (6091859-BLK1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*55.8*		µg/l		*50.0*		*112*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*40.5*		µg/l		*50.0*		*81.0*	*70-130*		
LCS (6091859-BS1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	144		mg/l		140		103	70-130		
C9-C12 Aliphatic Hydrocarbons	62.6		mg/l		55.2		113	70-130		
C9-C10 Aromatic Hydrocarbons	29.0		mg/l		40.0		72.5	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	256		mg/l		280		91.4	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	91.7		mg/l		84.8		108	70-130		
Benzene	15.9		µg/l		20.0		79.5	70-130		
Ethylbenzene	16.0		µg/l		20.0		80.0	70-130		
Methyl tert-butyl ether	16.0		µg/l		20.0		80.0	70-130		
Naphthalene	17.7		µg/l		20.0		88.5	70-130		
Toluene	15.8		µg/l		20.0		79.0	70-130		
m,p-Xylene	31.8		µg/l		40.0		79.5	70-130		
o-Xylene	16.3		µg/l		20.0		81.5	70-130		
2-Methylpentane	20.7		µg/l		20.0		104	70-130		
n-Nonane	20.1		µg/l		20.0		100	70-130		
n-Pentane	21.9		µg/l		20.0		110	70-130		
1,2,4-Trimethylbenzene	16.6		µg/l		20.0		83.0	70-130		
2,2,4-Trimethylpentane	21.9		µg/l		20.0		110	70-130		
n-Butylcyclohexane	20.3		µg/l		20.0		102	70-130		
n-Decane	16.5		µg/l		20.0		82.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*56.5*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*36.5*		µg/l		*50.0*		*73.0*	*70-130*		
LCS Dup (6091859-BSD1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	139		mg/l		140		99.3	70-130	3.66	25
C9-C12 Aliphatic Hydrocarbons	67.5		mg/l		55.2		122	70-130	7.66	25
C9-C10 Aromatic Hydrocarbons	30.3		mg/l		40.0		75.8	70-130	4.45	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	252		mg/l		280		90.0	70-130	1.54	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	97.8		mg/l		84.8		115	70-130	6.28	25
Benzene	16.2		µg/l		20.0		81.0	70-130	1.87	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091859 - VPH										
LCS Dup (6091859-BSD1)										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
Ethylbenzene	16.1		µg/l		20.0		80.5	70-130	0.623	25
Methyl tert-butyl ether	16.5		µg/l		20.0		82.5	70-130	3.08	25
Naphthalene	18.2		µg/l		20.0		91.0	70-130	2.79	25
Toluene	16.1		µg/l		20.0		80.5	70-130	1.88	25
m,p-Xylene	31.9		µg/l		40.0		79.8	70-130	0.377	25
o-Xylene	16.2		µg/l		20.0		81.0	70-130	0.615	25
2-Methylpentane	22.0		µg/l		20.0		110	70-130	5.61	25
n-Nonane	22.2		µg/l		20.0		111	70-130	10.4	25
n-Pentane	21.7		µg/l		20.0		108	70-130	1.83	25
1,2,4-Trimethylbenzene	16.6		µg/l		20.0		83.0	70-130	0.00	25
2,2,4-Trimethylpentane	21.1		µg/l		20.0		106	70-130	3.70	25
n-Butylcyclohexane	22.4		µg/l		20.0		112	70-130	9.35	25
n-Decane	21.9	QR-02	µg/l		20.0		110	70-130	28.6	25
Surrogate: 2,5-Dibromotoluene (FID)	*60.2*		µg/l		*50.0*		*120*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*38.9*		µg/l		*50.0*		*77.8*	*70-130*		
Duplicate (6091859-DUP1) **Source: SA51270-01**										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*36.8*		µg/l		*50.0*		*73.6*	*70-130*		
Matrix Spike (6091859-MS1) **Source: SA51270-01**										
Prepared: 27-Sep-06 Analyzed: 28-Sep-06										
Benzene	15.1		µg/l		20.0	BRL	75.5	70-130		
Ethylbenzene	14.8		µg/l		20.0	BRL	74.0	70-130		
Methyl tert-butyl ether	15.7		µg/l		20.0	BRL	78.5	70-130		
Naphthalene	16.4		µg/l		20.0	0.850	77.8	70-130		
Toluene	14.7		µg/l		20.0	BRL	73.5	70-130		
m,p-Xylene	29.0		µg/l		40.0	BRL	72.5	70-130		
o-Xylene	15.0		µg/l		20.0	BRL	75.0	70-130		
2-Methylpentane	20.1		µg/l		20.0	BRL	100	70-130		
n-Nonane	21.2		µg/l		20.0	0.632	103	70-130		
n-Pentane	19.9		µg/l		20.0	BRL	99.5	70-130		
1,2,4-Trimethylbenzene	15.2		µg/l		20.0	BRL	76.0	70-130		
2,2,4-Trimethylpentane	20.0		µg/l		20.0	BRL	100	70-130		
n-Butylcyclohexane	20.6		µg/l		20.0	1.12	97.4	70-130		
n-Decane	20.5		µg/l		20.0	0.991	97.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*55.7*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*35.7*		µg/l		*50.0*		*71.4*	*70-130*		
Batch 6091959 - SW846 5030 Water MS										
Blank (6091959-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091959 - SW846 5030 Water MS										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091959 - SW846 5030 Water MS										
Blank (6091959-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*54.1*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*52.9*		µg/l		*50.0*		*106*	*70-130*		
LCS (6091959-BS1)										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.9		µg/l		20.0		104	70-130		
Acetone	25.9		µg/l		20.0		130	70-130		
Acrylonitrile	25.5		µg/l		20.0		128	70-130		
Benzene	22.9		µg/l		20.0		114	70-130		
Bromobenzene	20.9		µg/l		20.0		104	70-130		
Bromochloromethane	23.2		µg/l		20.0		116	70-130		
Bromodichloromethane	25.7		µg/l		20.0		128	70-130		
Bromoform	22.9		µg/l		20.0		114	70-130		
Bromomethane	25.6		µg/l		20.0		128	70-130		
2-Butanone (MEK)	21.3		µg/l		20.0		106	70-130		
n-Butylbenzene	18.7		µg/l		20.0		93.5	70-130		
sec-Butylbenzene	19.9		µg/l		20.0		99.5	70-130		
tert-Butylbenzene	20.4		µg/l		20.0		102	70-130		
Carbon disulfide	20.6		µg/l		20.0		103	70-130		
Carbon tetrachloride	22.7		µg/l		20.0		114	70-130		
Chlorobenzene	20.7		µg/l		20.0		104	70-130		
Chloroethane	25.5		µg/l		20.0		128	70-130		
Chloroform	23.9		µg/l		20.0		120	70-130		
Chloromethane	25.6		µg/l		20.0		128	70-130		
2-Chlorotoluene	21.1		µg/l		20.0		106	70-130		
4-Chlorotoluene	20.4		µg/l		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	21.2		µg/l		20.0		106	70-130		
Dibromochloromethane	28.9	QC-2	µg/l		20.0		144	70-130		
1,2-Dibromoethane (EDB)	26.0		µg/l		20.0		130	70-130		
Dibromomethane	24.2		µg/l		20.0		121	70-130		
1,2-Dichlorobenzene	19.8		µg/l		20.0		99.0	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091959 - SW846 5030 Water MS										
LCS (6091959-BS1)										
Prepared & Analyzed: 28-Sep-06										
1,3-Dichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,4-Dichlorobenzene	18.9		µg/l		20.0		94.5	70-130		
Dichlorodifluoromethane (Freon12)	25.8		µg/l		20.0		129	70-130		
1,1-Dichloroethane	23.2		µg/l		20.0		116	70-130		
1,2-Dichloroethane	23.8		µg/l		20.0		119	70-130		
1,1-Dichloroethene	22.8		µg/l		20.0		114	70-130		
cis-1,2-Dichloroethene	24.6		µg/l		20.0		123	70-130		
trans-1,2-Dichloroethene	22.8		µg/l		20.0		114	70-130		
1,2-Dichloropropane	23.9		µg/l		20.0		120	70-130		
1,3-Dichloropropane	24.3		µg/l		20.0		122	70-130		
2,2-Dichloropropane	27.6	QC-1	µg/l		20.0		138	70-130		
1,1-Dichloropropene	23.4		µg/l		20.0		117	70-130		
cis-1,3-Dichloropropene	25.2		µg/l		20.0		126	70-130		
trans-1,3-Dichloropropene	22.3		µg/l		20.0		112	70-130		
Ethylbenzene	20.7		µg/l		20.0		104	70-130		
Hexachlorobutadiene	17.2		µg/l		20.0		86.0	70-130		
2-Hexanone (MBK)	26.8	QC-2	µg/l		20.0		134	70-130		
Isopropylbenzene	20.5		µg/l		20.0		102	70-130		
4-Isopropyltoluene	19.7		µg/l		20.0		98.5	70-130		
Methyl tert-butyl ether	25.4		µg/l		20.0		127	70-130		
4-Methyl-2-pentanone (MIBK)	26.4	QC-2	µg/l		20.0		132	70-130		
Methylene chloride	24.1		µg/l		20.0		120	70-130		
Naphthalene	22.1		µg/l		20.0		110	70-130		
n-Propylbenzene	20.2		µg/l		20.0		101	70-130		
Styrene	21.6		µg/l		20.0		108	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/l		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	21.4		µg/l		20.0		107	70-130		
Tetrachloroethene	23.4		µg/l		20.0		117	70-130		
Toluene	22.6		µg/l		20.0		113	70-130		
1,2,3-Trichlorobenzene	19.1		µg/l		20.0		95.5	70-130		
1,2,4-Trichlorobenzene	19.3		µg/l		20.0		96.5	70-130		
1,1,1-Trichloroethane	23.3		µg/l		20.0		116	70-130		
1,1,2-Trichloroethane	25.2		µg/l		20.0		126	70-130		
Trichloroethene	23.1		µg/l		20.0		116	70-130		
Trichlorofluoromethane (Freon 11)	23.6		µg/l		20.0		118	70-130		
1,2,3-Trichloropropane	25.3		µg/l		20.0		126	70-130		
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.6		µg/l		20.0		103	70-130		
Vinyl chloride	24.6		µg/l		20.0		123	70-130		
m,p-Xylene	41.4		µg/l		40.0		104	70-130		
o-Xylene	21.2		µg/l		20.0		106	70-130		
Tetrahydrofuran	26.1		µg/l		20.0		130	70-130		
Ethyl ether	23.5		µg/l		20.0		118	70-130		
Tert-amyl methyl ether	27.0	QC-2	µg/l		20.0		135	70-130		
Ethyl tert-butyl ether	25.1		µg/l		20.0		126	70-130		
Di-isopropyl ether	25.4		µg/l		20.0		127	70-130		
Tert-Butanol / butyl alcohol	251		µg/l		200		126	70-130		
1,4-Dioxane	248		µg/l		200		124	70-130		
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*53.8*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091959 - SW846 5030 Water MS										
LCS Dup (6091959-BSD1)										
Prepared & Analyzed: 28-Sep-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.2		µg/l		20.0		91.0	70-130	13.3	25
Acetone	25.5		µg/l		20.0		128	70-130	1.55	50
Acrylonitrile	27.1	QC-1	µg/l		20.0		136	70-130	6.06	25
Benzene	22.0		µg/l		20.0		110	70-130	3.57	25
Bromobenzene	19.7		µg/l		20.0		98.5	70-130	5.43	25
Bromochloromethane	22.9		µg/l		20.0		114	70-130	1.74	25
Bromodichloromethane	25.9		µg/l		20.0		130	70-130	1.55	25
Bromoform	21.4		µg/l		20.0		107	70-130	6.33	25
Bromomethane	24.6		µg/l		20.0		123	70-130	3.98	50
2-Butanone (MEK)	28.4	QC-1	µg/l		20.0		142	70-130	29.0	50
n-Butylbenzene	18.6		µg/l		20.0		93.0	70-130	0.536	25
sec-Butylbenzene	19.4		µg/l		20.0		97.0	70-130	2.54	25
tert-Butylbenzene	19.4		µg/l		20.0		97.0	70-130	5.03	25
Carbon disulfide	18.4		µg/l		20.0		92.0	70-130	11.3	25
Carbon tetrachloride	19.8		µg/l		20.0		99.0	70-130	14.1	25
Chlorobenzene	19.6		µg/l		20.0		98.0	70-130	5.94	25
Chloroethane	23.2		µg/l		20.0		116	70-130	9.84	50
Chloroform	23.2		µg/l		20.0		116	70-130	3.39	25
Chloromethane	24.4		µg/l		20.0		122	70-130	4.80	25
2-Chlorotoluene	19.6		µg/l		20.0		98.0	70-130	7.84	25
4-Chlorotoluene	19.4		µg/l		20.0		97.0	70-130	5.03	25
1,2-Dibromo-3-chloropropane	21.2		µg/l		20.0		106	70-130	0.00	25
Dibromochloromethane	28.8	QC-2	µg/l		20.0		144	70-130	0.00	50
1,2-Dibromoethane (EDB)	25.7		µg/l		20.0		128	70-130	1.55	25
Dibromomethane	24.7		µg/l		20.0		124	70-130	2.45	25
1,2-Dichlorobenzene	19.1		µg/l		20.0		95.5	70-130	3.60	25
1,3-Dichlorobenzene	20.1		µg/l		20.0		100	70-130	3.92	25
1,4-Dichlorobenzene	18.4		µg/l		20.0		92.0	70-130	2.68	25
Dichlorodifluoromethane (Freon12)	22.5		µg/l		20.0		112	70-130	14.1	50
1,1-Dichloroethane	22.8		µg/l		20.0		114	70-130	1.74	25
1,2-Dichloroethane	24.0		µg/l		20.0		120	70-130	0.837	25
1,1-Dichloroethene	20.0		µg/l		20.0		100	70-130	13.1	25
cis-1,2-Dichloroethene	24.1		µg/l		20.0		120	70-130	2.47	25
trans-1,2-Dichloroethene	21.4		µg/l		20.0		107	70-130	6.33	25
1,2-Dichloropropane	23.9		µg/l		20.0		120	70-130	0.00	25
1,3-Dichloropropane	24.8		µg/l		20.0		124	70-130	1.63	25
2,2-Dichloropropane	24.7		µg/l		20.0		124	70-130	10.7	25
1,1-Dichloropropene	21.1		µg/l		20.0		106	70-130	9.87	25
cis-1,3-Dichloropropene	24.9		µg/l		20.0		124	70-130	1.60	25
trans-1,3-Dichloropropene	21.3		µg/l		20.0		106	70-130	5.50	25
Ethylbenzene	19.6		µg/l		20.0		98.0	70-130	5.94	25
Hexachlorobutadiene	17.3		µg/l		20.0		86.5	70-130	0.580	50
2-Hexanone (MBK)	29.2	QC-2	µg/l		20.0		146	70-130	8.57	25
Isopropylbenzene	19.2		µg/l		20.0		96.0	70-130	6.06	25
4-Isopropyltoluene	19.4		µg/l		20.0		97.0	70-130	1.53	25
Methyl tert-butyl ether	25.4		µg/l		20.0		127	70-130	0.00	25
4-Methyl-2-pentanone (MIBK)	27.5	QC-2	µg/l		20.0		138	70-130	4.44	50
Methylene chloride	23.4		µg/l		20.0		117	70-130	2.53	25
Naphthalene	22.2		µg/l		20.0		111	70-130	0.905	25
n-Propylbenzene	19.3		µg/l		20.0		96.5	70-130	4.56	25
Styrene	21.2		µg/l		20.0		106	70-130	1.87	25
1,1,1,2-Tetrachloroethane	20.5		µg/l		20.0		102	70-130	2.90	25
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130	0.939	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091959 - SW846 5030 Water MS										
LCS Dup (6091959-BSD1)										
Prepared & Analyzed: 28-Sep-06										
Tetrachloroethene	21.6		µg/l		20.0		108	70-130	8.00	25
Toluene	22.1		µg/l		20.0		110	70-130	2.69	25
1,2,3-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130	3.60	25
1,2,4-Trichlorobenzene	19.3		µg/l		20.0		96.5	70-130	0.00	25
1,1,1-Trichloroethane	22.0		µg/l		20.0		110	70-130	5.31	25
1,1,2-Trichloroethane	25.9		µg/l		20.0		130	70-130	3.12	25
Trichloroethene	21.3		µg/l		20.0		106	70-130	9.01	25
Trichlorofluoromethane (Freon 11)	20.4		µg/l		20.0		102	70-130	14.5	50
1,2,3-Trichloropropane	24.7		µg/l		20.0		124	70-130	1.60	25
1,2,4-Trimethylbenzene	20.2		µg/l		20.0		101	70-130	1.96	25
1,3,5-Trimethylbenzene	20.1		µg/l		20.0		100	70-130	2.96	25
Vinyl chloride	21.3		µg/l		20.0		106	70-130	14.8	25
m,p-Xylene	39.5		µg/l		40.0		98.8	70-130	5.13	25
o-Xylene	20.8		µg/l		20.0		104	70-130	1.90	25
Tetrahydrofuran	28.4	QC-1	µg/l		20.0		142	70-130	8.82	25
Ethyl ether	24.2		µg/l		20.0		121	70-130	2.51	50
Tert-amyl methyl ether	27.6	QC-2	µg/l		20.0		138	70-130	2.20	25
Ethyl tert-butyl ether	25.1		µg/l		20.0		126	70-130	0.00	25
Di-isopropyl ether	25.6		µg/l		20.0		128	70-130	0.784	25
Tert-Butanol / butyl alcohol	262	QC-1	µg/l		200		131	70-130	3.89	25
1,4-Dioxane	247		µg/l		200		124	70-130	0.00	25
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*54.5*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*53.3*		µg/l		*50.0*		*107*	*70-130*		
Matrix Spike (6091959-MS1) **Source: SA51714-01**										
Prepared & Analyzed: 28-Sep-06										
Benzene	19.8		µg/l		20.0	BRL	99.0	70-130		
Chlorobenzene	18.1		µg/l		20.0	BRL	90.5	70-130		
1,1-Dichloroethene	18.6		µg/l		20.0	BRL	93.0	70-130		
Toluene	19.9		µg/l		20.0	BRL	99.5	70-130		
Trichloroethene	19.6		µg/l		20.0	BRL	98.0	70-130		
Surrogate: 4-Bromofluorobenzene	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Matrix Spike Dup (6091959-MSD1) **Source: SA51714-01**										
Prepared & Analyzed: 28-Sep-06										
Benzene	20.1		µg/l		20.0	BRL	100	70-130	1.01	30
Chlorobenzene	18.2		µg/l		20.0	BRL	91.0	70-130	0.551	30
1,1-Dichloroethene	19.2		µg/l		20.0	BRL	96.0	70-130	3.17	30
Toluene	20.1		µg/l		20.0	BRL	100	70-130	0.501	30
Trichloroethene	19.0		µg/l		20.0	BRL	95.0	70-130	3.11	30
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*54.3*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		

Organic Compounds by Modified SW846 8015 - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091911 - SW846 8015 Mod.										
Blank (6091911-BLK1)										
Prepared & Analyzed: 28-Sep-06										
n-Butyl alcohol	BRL	U	mg/l	1.00						
Methanol	BRL	U	mg/l	1.00						
Isopropyl alcohol	BRL	U	mg/l	1.00						
Ethanol	BRL	U	mg/l	1.00						
Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00						
n-Propanol	BRL	U	mg/l	1.00						
Isobutanol	BRL	U	mg/l	1.00						
LCS (6091911-BS1)										
Prepared & Analyzed: 28-Sep-06										
n-Butyl alcohol	71.7		mg/l	1.00	100		71.7	40-140		
Methanol	96.6		mg/l	1.00	100		96.6	40-140		
Isopropyl alcohol	91.9		mg/l	1.00	100		91.9	40-140		
Ethanol	88.3		mg/l	1.00	100		88.3	40-140		
Tert-Butanol / butyl alcohol	79.0		mg/l	1.00	100		79.0	40-140		
n-Propanol	91.7		mg/l	1.00	100		91.7	40-140		
Isobutanol	91.0		mg/l	1.00	100		91.0	40-140		
Duplicate (6091911-DUP1)	**Source: SA51461-04**									
Prepared & Analyzed: 28-Sep-06										
n-Butyl alcohol	BRL	U	mg/l	1.00		BRL				200
Methanol	BRL	U	mg/l	1.00		BRL				200
Isopropyl alcohol	BRL	U	mg/l	1.00		BRL				200
Ethanol	BRL	U	mg/l	1.00		BRL				200
Tert-Butanol / butyl alcohol	BRL	U	mg/l	1.00		BRL				200
n-Propanol	BRL	U	mg/l	1.00		BRL				200
Isobutanol	BRL	U	mg/l	1.00		BRL				200

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091586 - SW846 3510C										
Blank (6091586-BLK1)										
Prepared: 25-Sep-06 Analyzed: 27-Sep-06										
C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL	U	mg/l	0.2						
Naphthalene	BRL	U	µg/l	1.00						
2-Methylnaphthalene	BRL	U	µg/l	1.00						
Acenaphthylene	BRL	U	µg/l	1.00						
Acenaphthene	BRL	U	µg/l	1.00						
Fluorene	BRL	U	µg/l	1.00						
Phenanthrene	BRL	U	µg/l	1.00						
Anthracene	BRL	U	µg/l	1.00						
Fluoranthene	BRL	U	µg/l	1.00						
Pyrene	BRL	U	µg/l	1.00						
Benzo (a) anthracene	BRL	U	µg/l	1.00						
Chrysene	BRL	U	µg/l	1.00						
Benzo (b) fluoranthene	BRL	U	µg/l	1.00						
Benzo (k) fluoranthene	BRL	U	µg/l	1.00						
Benzo (a) pyrene	BRL	U	µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500						
Benzo (g,h,i) perylene	BRL	U	µg/l	1.00						
n-Hexadecane	0.00	U	µg/l							
n-Tetradecane	0.00	U	µg/l							
n-Eicosane	0.00	U	µg/l							
n-Nonadecane	0.00	U	µg/l							
n-Octacosane	0.00	U	µg/l							
Naphthalene (aliphatic fraction)	0.00	U	µg/l							
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l							
Surrogate: 1-Chlorooctadecane	*27.8*		µg/l		*56.2*		*49.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*39.4*		µg/l		*56.2*		*70.1*	*40-140*		
Surrogate: 2-Bromonaphthalene	*21.4*		µg/l		*44.9*		*47.7*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*34.7*		µg/l		*44.9*		*77.3*	*40-140*		
LCS (6091586-BS1)										
Prepared: 25-Sep-06 Analyzed: 27-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.372		mg/l	0.2	0.706		52.7	40-140		
C19-C36 Aliphatic Hydrocarbons	0.554		mg/l	0.2	0.941		58.9	40-140		
C11-C22 Aromatic Hydrocarbons	1.42		mg/l	0.2	2.00		71.0	40-140		
Naphthalene	54.3		µg/l	1.00	118		46.0	40-140		
2-Methylnaphthalene	60.1		µg/l	1.00	118		50.9	40-140		
Acenaphthylene	69.4		µg/l	1.00	118		58.8	40-140		
Acenaphthene	71.7		µg/l	1.00	118		60.8	40-140		
Fluorene	76.9		µg/l	1.00	118		65.2	40-140		
Phenanthrene	81.8		µg/l	1.00	118		69.3	40-140		
Anthracene	77.3		µg/l	1.00	118		65.5	40-140		
Fluoranthene	90.8		µg/l	1.00	118		76.9	40-140		
Pyrene	91.8		µg/l	1.00	118		77.8	40-140		
Benzo (a) anthracene	93.7		µg/l	1.00	118		79.4	40-140		
Chrysene	89.6		µg/l	1.00	118		75.9	40-140		
Benzo (b) fluoranthene	72.7		µg/l	1.00	118		61.6	40-140		
Benzo (k) fluoranthene	84.5		µg/l	1.00	118		71.6	40-140		
Benzo (a) pyrene	80.7		µg/l	0.200	118		68.4	40-140		
Indeno (1,2,3-cd) pyrene	68.0		µg/l	0.500	118		57.6	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091586 - SW846 3510C										
LCS (6091586-BS1)										
Prepared: 25-Sep-06 Analyzed: 27-Sep-06										
Dibenzo (a,h) anthracene	64.3		µg/l	0.500	118		54.5	40-140		
Benzo (g,h,i) perylene	69.2		µg/l	1.00	118		58.6	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		118			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		118			0-200		
Surrogate: 1-Chlorooctadecane	*33.2*		µg/l		*58.8*		*56.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*42.0*		µg/l		*58.8*		*71.4*	*40-140*		
Surrogate: 2-Bromonaphthalene	*36.5*		µg/l		*47.1*		*77.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*37.6*		µg/l		*47.1*		*79.8*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Fractionation Check Standard (609										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.483		mg/l	0.2	0.600		80.5	40-140		
C19-C36 Aliphatic Hydrocarbons	0.595		mg/l	0.2	0.800		74.4	40-140		
C11-C22 Aromatic Hydrocarbons	1.20		mg/l	0.2	1.70		70.6	40-140		
Naphthalene	44.7		µg/l	1.00	100		44.7	40-140		
2-Methylnaphthalene	53.6		µg/l	1.00	100		53.6	40-140		
Acenaphthylene	62.5		µg/l	1.00	100		62.5	40-140		
Acenaphthene	60.6		µg/l	1.00	100		60.6	40-140		
Fluorene	68.1		µg/l	1.00	100		68.1	40-140		
Phenanthrene	69.1		µg/l	1.00	100		69.1	40-140		
Anthracene	70.0		µg/l	1.00	100		70.0	40-140		
Fluoranthene	74.6		µg/l	1.00	100		74.6	40-140		
Pyrene	74.6		µg/l	1.00	100		74.6	40-140		
Benzo (a) anthracene	74.0		µg/l	1.00	100		74.0	40-140		
Chrysene	69.3		µg/l	1.00	100		69.3	40-140		
Benzo (b) fluoranthene	62.2		µg/l	1.00	100		62.2	40-140		
Benzo (k) fluoranthene	64.8		µg/l	1.00	100		64.8	40-140		
Benzo (a) pyrene	69.2		µg/l	0.200	100		69.2	40-140		
Indeno (1,2,3-cd) pyrene	63.4		µg/l	0.500	100		63.4	40-140		
Dibenzo (a,h) anthracene	60.7		µg/l	0.500	100		60.7	40-140		
Benzo (g,h,i) perylene	63.8		µg/l	1.00	100		63.8	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*37.2*		µg/l		*50.0*		*74.4*	*40-140*		
Surrogate: Ortho-Terphenyl	*36.4*		µg/l		*50.0*		*72.8*	*40-140*		
Surrogate: 2-Bromonaphthalene	*17.7*		µg/l		*40.0*		*44.2*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.4*		µg/l		*40.0*		*78.5*	*40-140*		
LCS Dup (6091586-BSD1)										
Prepared: 25-Sep-06 Analyzed: 27-Sep-06										
C9-C18 Aliphatic Hydrocarbons	0.318		mg/l	0.2	0.690		46.1	40-140	13.4	25
C19-C36 Aliphatic Hydrocarbons	0.359	QC-1	mg/l	0.2	0.920		39.0	40-140	40.7	25
C11-C22 Aromatic Hydrocarbons	1.49		mg/l	0.2	1.95		76.4	40-140	7.33	25
Naphthalene	57.1		µg/l	1.00	115		49.7	40-140	7.73	20
2-Methylnaphthalene	62.5		µg/l	1.00	115		54.3	40-140	6.46	20
Acenaphthylene	70.7		µg/l	1.00	115		61.5	40-140	4.49	20
Acenaphthene	71.6		µg/l	1.00	115		62.3	40-140	2.44	20
Fluorene	76.5		µg/l	1.00	115		66.5	40-140	1.97	20
Phenanthrene	83.6		µg/l	1.00	115		72.7	40-140	4.79	20
Anthracene	77.7		µg/l	1.00	115		67.6	40-140	3.16	20
Fluoranthene	90.6		µg/l	1.00	115		78.8	40-140	2.44	20
Pyrene	90.5		µg/l	1.00	115		78.7	40-140	1.15	20
Benzo (a) anthracene	87.9		µg/l	1.00	115		76.4	40-140	3.85	20

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091586 - SW846 3510C										
LCS Dup (6091586-BSD1)										
Prepared: 25-Sep-06 Analyzed: 27-Sep-06										
Chrysene	87.8		µg/l	1.00	115		76.3	40-140	0.526	20
Benzo (b) fluoranthene	86.4		µg/l	1.00	115		75.1	40-140	19.8	20
Benzo (k) fluoranthene	78.6		µg/l	1.00	115		68.3	40-140	4.72	20
Benzo (a) pyrene	79.6		µg/l	0.200	115		69.2	40-140	1.16	20
Indeno (1,2,3-cd) pyrene	68.1		µg/l	0.500	115		59.2	40-140	2.74	20
Dibenzo (a,h) anthracene	63.7		µg/l	0.500	115		55.4	40-140	1.64	20
Benzo (g,h,i) perylene	69.6		µg/l	1.00	115		60.5	40-140	3.19	20
Naphthalene (aliphatic fraction)	0.00	U	µg/l		115			0-200		200
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		115			0-200		200
Surrogate: 1-Chlorooctadecane	*23.3*		µg/l		*57.5*		*40.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*42.1*		µg/l		*57.5*		*73.2*	*40-140*		
Surrogate: 2-Bromonaphthalene	*30.9*		µg/l		*46.0*		*67.2*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*37.1*		µg/l		*46.0*		*80.7*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091596 - SW846 3510C										
Blank (6091596-BLK1)										
Prepared & Analyzed: 25-Sep-06										
PCB 1016	BRL	U	µg/l	0.0200						
PCB 1221	BRL	U	µg/l	0.0200						
PCB 1232	BRL	U	µg/l	0.0200						
PCB 1242	BRL	U	µg/l	0.0200						
PCB 1248	BRL	U	µg/l	0.0200						
PCB 1254	BRL	U	µg/l	0.0200						
PCB 1260	BRL	U	µg/l	0.0200						
PCB 1262	BRL	U	µg/l	0.0200						
PCB 1268	BRL	U	µg/l	0.0200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0192*		µg/l		*0.0200*		*96.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0245*		µg/l		*0.0200*		*122*	*30-150*		
LCS (6091596-BS1)										
Prepared & Analyzed: 25-Sep-06										
PCB 1016	2.62		µg/l	0.200	2.50		105	40-140		
PCB 1260	2.60		µg/l	0.200	2.50		104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.148*		µg/l		*0.200*		*74.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.185*		µg/l		*0.200*		*92.5*	*30-150*		
LCS Dup (6091596-BSD1)										
Prepared & Analyzed: 25-Sep-06										
PCB 1016	2.70		µg/l	0.200	2.50		108	40-140	2.82	20
PCB 1260	2.61		µg/l	0.200	2.50		104	40-140	0.00	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.182*		µg/l		*0.200*		*91.0*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091624 - SW846 3510C										
Blank (6091624-BLK1)										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	BRL	U	µg/l	0.050						
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	0.050						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	0.050						
Anthracene	BRL	U	µg/l	5.00						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	0.050						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	0.050						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	0.050						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	0.050						
Benzo (k) fluoranthene	BRL	U	µg/l	0.050						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	0.050						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.050						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091624 - SW846 3510C										
Blank (6091624-BLK1)										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	0.050						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	0.050						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.050						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenanthrene	BRL	U	µg/l	0.050						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	0.050						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*79.0*		µg/l		*100*		*79.0*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*79.0*		µg/l		*100*		*79.0*	*30-130*		
Surrogate: 2-Fluorophenol	*94.2*		µg/l		*100*		*94.2*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.5*		µg/l		*100*		*72.5*	*30-130*		
Surrogate: Phenol-d5	*94.5*		µg/l		*100*		*94.5*	*15-110*		
Surrogate: Terphenyl-dl4	*99.4*		µg/l		*100*		*99.4*	*30-130*		
Surrogate: Terphenyl-dl4	*99.4*		µg/l		*100*		*99.4*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*115*	S-GC	µg/l		*100*		*115*	*15-110*		
LCS (6091624-BS1)										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
Acenaphthene	77.2		µg/l	5.00	100		77.2	40-130		
Acenaphthene	77.2		µg/l	0.050	100		77.2	40-140		
Acenaphthylene	76.7		µg/l	5.00	100		76.7	40-130		
Acenaphthylene	76.7		µg/l	0.050	100		76.7	40-140		
Aniline	82.3		µg/l	5.00	100		82.3	40-130		
Anthracene	65.6		µg/l	0.050	100		65.6	40-140		
Anthracene	65.6		µg/l	5.00	100		65.6	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091624 - SW846 3510C										
LCS (6091624-BS1)										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
Atrazine	88.4		µg/l	5.00	100		88.4	0-200		
Azobenzene/Diphenyldiazine	56.5		µg/l	5.00	100		56.5	40-130		
Benzidine	23.8	QC-2	µg/l	5.00	100		23.8	40-130		
Benzo (a) anthracene	77.3		µg/l	0.050	100		77.3	40-140		
Benzo (a) anthracene	77.3		µg/l	5.00	100		77.3	40-130		
Benzo (a) pyrene	73.3		µg/l	5.00	100		73.3	40-130		
Benzo (a) pyrene	73.3		µg/l	0.050	100		73.3	40-140		
Benzo (b) fluoranthene	77.8		µg/l	5.00	100		77.8	40-130		
Benzo (b) fluoranthene	77.8		µg/l	0.050	100		77.8	40-140		
Benzo (g,h,i) perylene	75.6		µg/l	0.050	100		75.6	40-140		
Benzo (g,h,i) perylene	75.6		µg/l	5.00	100		75.6	40-130		
Benzo (k) fluoranthene	69.1		µg/l	0.050	100		69.1	40-140		
Benzo (k) fluoranthene	69.1		µg/l	5.00	100		69.1	40-130		
Benzoic acid	90.2		µg/l	5.00	100		90.2	40-130		
Benzyl alcohol	78.0		µg/l	5.00	100		78.0	40-130		
Bis(2-chloroethoxy)methane	71.4		µg/l	5.00	100		71.4	40-130		
Bis(2-chloroethyl)ether	59.9		µg/l	5.00	100		59.9	40-130		
Bis(2-chloroisopropyl)ether	80.4		µg/l	5.00	100		80.4	40-130		
Bis(2-ethylhexyl)phthalate	66.4		µg/l	5.00	100		66.4	40-130		
4-Bromophenyl phenyl ether	86.8		µg/l	5.00	100		86.8	40-130		
Butyl benzyl phthalate	65.1		µg/l	5.00	100		65.1	40-130		
Carbazole	69.6		µg/l	5.00	100		69.6	40-130		
4-Chloro-3-methylphenol	72.9		µg/l	5.00	100		72.9	40-130		
4-Chloroaniline	59.4		µg/l	5.00	100		59.4	40-130		
2-Chloronaphthalene	68.6		µg/l	5.00	100		68.6	40-130		
2-Chlorophenol	72.8		µg/l	5.00	100		72.8	40-130		
4-Chlorophenyl phenyl ether	75.9		µg/l	5.00	100		75.9	40-130		
Chrysene	74.2		µg/l	0.050	100		74.2	40-140		
Chrysene	74.2		µg/l	5.00	100		74.2	40-130		
Dibenzo (a,h) anthracene	75.7		µg/l	0.050	100		75.7	40-140		
Dibenzo (a,h) anthracene	75.7		µg/l	5.00	100		75.7	40-130		
Dibenzofuran	68.0		µg/l	5.00	100		68.0	40-130		
1,2-Dichlorobenzene	65.6		µg/l	5.00	100		65.6	40-130		
1,3-Dichlorobenzene	73.5		µg/l	5.00	100		73.5	40-130		
1,4-Dichlorobenzene	59.9		µg/l	5.00	100		59.9	40-130		
3,3´-Dichlorobenzidine	65.6		µg/l	5.00	100		65.6	40-130		
2,4-Dichlorophenol	77.6		µg/l	5.00	100		77.6	40-130		
Diethyl phthalate	76.6		µg/l	5.00	100		76.6	40-130		
Dimethyl phthalate	79.2		µg/l	5.00	100		79.2	40-130		
2,4-Dimethylphenol	71.1		µg/l	5.00	100		71.1	40-130		
Di-n-butyl phthalate	66.2		µg/l	5.00	100		66.2	40-130		
4,6-Dinitro-2-methylphenol	83.5		µg/l	5.00	100		83.5	40-130		
2,4-Dinitrophenol	79.4		µg/l	5.00	100		79.4	40-130		
2,4-Dinitrotoluene	80.1		µg/l	5.00	100		80.1	40-130		
2,6-Dinitrotoluene	76.4		µg/l	5.00	100		76.4	40-130		
Di-n-octyl phthalate	63.5		µg/l	5.00	100		63.5	40-130		
Fluoranthene	76.7		µg/l	5.00	100		76.7	40-130		
Fluoranthene	76.7		µg/l	0.050	100		76.7	40-140		
Fluorene	72.4		µg/l	0.050	100		72.4	40-140		
Fluorene	72.4		µg/l	5.00	100		72.4	40-130		
Hexachlorobenzene	84.8		µg/l	5.00	100		84.8	40-130		
Hexachlorobutadiene	77.6		µg/l	5.00	100		77.6	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091624 - SW846 3510C										
LCS (6091624-BS1)										
Prepared: 25-Sep-06 Analyzed: 26-Sep-06										
Hexachlorocyclopentadiene	81.8		µg/l	5.00	100		81.8	40-130		
Hexachloroethane	72.9		µg/l	5.00	100		72.9	40-130		
Indeno (1,2,3-cd) pyrene	75.6		µg/l	5.00	100		75.6	40-130		
Indeno (1,2,3-cd) pyrene	75.6		µg/l	0.050	100		75.6	40-140		
Isophorone	66.1		µg/l	5.00	100		66.1	40-130		
2-Methylnaphthalene	63.0		µg/l	5.00	100		63.0	40-130		
2-Methylphenol	69.1		µg/l	5.00	100		69.1	40-130		
3,4-Methylphenol	82.1		µg/l	10.0	100		82.1	40-130		
Naphthalene	66.4		µg/l	5.00	100		66.4	40-130		
2-Nitroaniline	81.3		µg/l	5.00	100		81.3	40-130		
3-Nitroaniline	62.1		µg/l	5.00	100		62.1	40-130		
4-Nitroaniline	82.0		µg/l	20.0	100		82.0	40-130		
Nitrobenzene	54.6		µg/l	5.00	100		54.6	40-130		
2-Nitrophenol	74.2		µg/l	5.00	100		74.2	40-130		
4-Nitrophenol	64.4		µg/l	20.0	100		64.4	40-130		
N-Nitrosodimethylamine	79.3		µg/l	5.00	100		79.3	40-130		
N-Nitrosodi-n-propylamine	63.0		µg/l	5.00	100		63.0	40-130		
N-Nitrosodiphenylamine	71.0		µg/l	5.00	100		71.0	40-130		
Pentachlorophenol	116		µg/l	20.0	100		116	40-130		
Phenanthrene	76.6		µg/l	0.050	100		76.6	40-140		
Phenanthrene	76.6		µg/l	5.00	100		76.6	40-130		
Phenol	63.4		µg/l	5.00	100		63.4	40-130		
Pyrene	71.0		µg/l	0.050	100		71.0	40-140		
Pyrene	71.0		µg/l	5.00	100		71.0	40-130		
Pyridine	79.1		µg/l	5.00	100		79.1	40-130		
1-Methylnaphthalene	67.7		µg/l	5.00	100		67.7	40-140		
1,2,4-Trichlorobenzene	72.0		µg/l	5.00	100		72.0	40-130		
2,4,5-Trichlorophenol	74.4		µg/l	5.00	100		74.4	40-130		
2,4,6-Trichlorophenol	86.7		µg/l	5.00	100		86.7	40-130		
Surrogate: 2-Fluorobiphenyl	*81.4*		µg/l		*100*		*81.4*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*81.4*		µg/l		*100*		*81.4*	*30-130*		
Surrogate: 2-Fluorophenol	*75.3*		µg/l		*100*		*75.3*	*15-110*		
Surrogate: Nitrobenzene-d5	*71.5*		µg/l		*100*		*71.5*	*30-130*		
Surrogate: Phenol-d5	*74.2*		µg/l		*100*		*74.2*	*15-110*		
Surrogate: Terphenyl-dl4	*84.0*		µg/l		*100*		*84.0*	*30-130*		
Surrogate: Terphenyl-dl4	*84.0*		µg/l		*100*		*84.0*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*111*	S-GC	µg/l		*100*		*111*	*15-110*		
Batch 6091711 - SW846 3510C										
Blank (6091711-BLK1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthene	BRL	U	µg/l	0.050						
Acenaphthylene	BRL	U	µg/l	0.050						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	0.050						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	0.050						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091711 - SW846 3510C										
Blank (6091711-BLK1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
Benzo (a) pyrene	BRL	U	µg/l	0.050						
Benzo (b) fluoranthene	BRL	U	µg/l	0.050						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	0.050						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	0.050						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	0.050						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.050						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	0.050						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	0.050						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.050						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091711 - SW846 3510C										
Blank (6091711-BLK1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	0.050						
Phenanthrene	BRL	U	µg/l	5.00						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	0.050						
Pyridine	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/l		*100*		*81.8*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/l		*100*		*81.8*	*30-130*		
Surrogate: 2-Fluorophenol	*91.5*		µg/l		*100*		*91.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*70.3*		µg/l		*100*		*70.3*	*30-130*		
Surrogate: Phenol-d5	*93.2*		µg/l		*100*		*93.2*	*15-110*		
Surrogate: Terphenyl-dl4	*83.1*		µg/l		*100*		*83.1*	*30-130*		
Surrogate: Terphenyl-dl4	*83.1*		µg/l		*100*		*83.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*132*	S-GC	µg/l		*100*		*132*	*15-110*		
LCS (6091711-BS1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
Acenaphthene	80.5		µg/l	0.050	100		80.5	40-140		
Acenaphthene	80.5		µg/l	5.00	100		80.5	40-130		
Acenaphthylene	80.9		µg/l	5.00	100		80.9	40-130		
Acenaphthylene	80.9		µg/l	0.050	100		80.9	40-140		
Aniline	82.0		µg/l	5.00	100		82.0	40-130		
Anthracene	72.1		µg/l	5.00	100		72.1	40-130		
Anthracene	72.1		µg/l	0.050	100		72.1	40-140		
Atrazine	92.2		µg/l	5.00	100		92.2	0-200		
Azobenzene/Diphenyldiazine	58.4		µg/l	5.00	100		58.4	40-130		
Benzidine	26.3	QC-2	µg/l	5.00	100		26.3	40-130		
Benzo (a) anthracene	81.6		µg/l	5.00	100		81.6	40-130		
Benzo (a) anthracene	81.6		µg/l	0.050	100		81.6	40-140		
Benzo (a) pyrene	77.8		µg/l	5.00	100		77.8	40-130		
Benzo (a) pyrene	77.8		µg/l	0.050	100		77.8	40-140		
Benzo (b) fluoranthene	83.9		µg/l	5.00	100		83.9	40-130		
Benzo (b) fluoranthene	83.9		µg/l	0.050	100		83.9	40-140		
Benzo (g,h,i) perylene	84.4		µg/l	5.00	100		84.4	40-130		
Benzo (g,h,i) perylene	84.4		µg/l	0.050	100		84.4	40-140		
Benzo (k) fluoranthene	74.5		µg/l	0.050	100		74.5	40-140		
Benzo (k) fluoranthene	74.5		µg/l	5.00	100		74.5	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091711 - SW846 3510C										
LCS (6091711-BS1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
Benzoic acid	54.7		µg/l	5.00	100		54.7	40-130		
Benzyl alcohol	85.1		µg/l	5.00	100		85.1	40-130		
Bis(2-chloroethoxy)methane	70.1		µg/l	5.00	100		70.1	40-130		
Bis(2-chloroethyl)ether	58.9		µg/l	5.00	100		58.9	40-130		
Bis(2-chloroisopropyl)ether	78.7		µg/l	5.00	100		78.7	40-130		
Bis(2-ethylhexyl)phthalate	62.5		µg/l	5.00	100		62.5	40-130		
4-Bromophenyl phenyl ether	96.5		µg/l	5.00	100		96.5	40-130		
Butyl benzyl phthalate	61.0		µg/l	5.00	100		61.0	40-130		
Carbazole	75.4		µg/l	5.00	100		75.4	40-130		
4-Chloro-3-methylphenol	71.3		µg/l	5.00	100		71.3	40-130		
4-Chloroaniline	60.5		µg/l	5.00	100		60.5	40-130		
2-Chloronaphthalene	73.0		µg/l	5.00	100		73.0	40-130		
2-Chlorophenol	74.2		µg/l	5.00	100		74.2	40-130		
4-Chlorophenyl phenyl ether	86.7		µg/l	5.00	100		86.7	40-130		
Chrysene	78.8		µg/l	5.00	100		78.8	40-130		
Chrysene	78.8		µg/l	0.050	100		78.8	40-140		
Dibenzo (a,h) anthracene	85.3		µg/l	5.00	100		85.3	40-130		
Dibenzo (a,h) anthracene	85.3		µg/l	0.050	100		85.3	40-140		
Dibenzofuran	73.4		µg/l	5.00	100		73.4	40-130		
1,2-Dichlorobenzene	71.0		µg/l	5.00	100		71.0	40-130		
1,3-Dichlorobenzene	78.0		µg/l	5.00	100		78.0	40-130		
1,4-Dichlorobenzene	64.3		µg/l	5.00	100		64.3	40-130		
3,3´-Dichlorobenzidine	73.5		µg/l	5.00	100		73.5	40-130		
2,4-Dichlorophenol	78.8		µg/l	5.00	100		78.8	40-130		
Diethyl phthalate	79.0		µg/l	5.00	100		79.0	40-130		
Dimethyl phthalate	80.7		µg/l	5.00	100		80.7	40-130		
2,4-Dimethylphenol	72.4		µg/l	5.00	100		72.4	40-130		
Di-n-butyl phthalate	70.2		µg/l	5.00	100		70.2	40-130		
4,6-Dinitro-2-methylphenol	94.6		µg/l	5.00	100		94.6	40-130		
2,4-Dinitrophenol	92.1		µg/l	5.00	100		92.1	40-130		
2,4-Dinitrotoluene	80.6		µg/l	5.00	100		80.6	40-130		
2,6-Dinitrotoluene	77.3		µg/l	5.00	100		77.3	40-130		
Di-n-octyl phthalate	55.2		µg/l	5.00	100		55.2	40-130		
Fluoranthene	84.0		µg/l	0.050	100		84.0	40-140		
Fluoranthene	84.0		µg/l	5.00	100		84.0	40-130		
Fluorene	78.6		µg/l	0.050	100		78.6	40-140		
Fluorene	78.6		µg/l	5.00	100		78.6	40-130		
Hexachlorobenzene	93.2		µg/l	5.00	100		93.2	40-130		
Hexachlorobutadiene	84.0		µg/l	5.00	100		84.0	40-130		
Hexachlorocyclopentadiene	115		µg/l	5.00	100		115	40-130		
Hexachloroethane	76.3		µg/l	5.00	100		76.3	40-130		
Indeno (1,2,3-cd) pyrene	71.6		µg/l	0.050	100		71.6	40-140		
Indeno (1,2,3-cd) pyrene	71.6		µg/l	5.00	100		71.6	40-130		
Isophorone	62.2		µg/l	5.00	100		62.2	40-130		
2-Methylnaphthalene	64.4		µg/l	5.00	100		64.4	40-130		
2-Methylphenol	68.8		µg/l	5.00	100		68.8	40-130		
3,4-Methylphenol	83.2		µg/l	10.0	100		83.2	40-130		
Naphthalene	68.7		µg/l	5.00	100		68.7	40-130		
2-Nitroaniline	82.0		µg/l	5.00	100		82.0	40-130		
3-Nitroaniline	65.8		µg/l	5.00	100		65.8	40-130		
4-Nitroaniline	79.8		µg/l	20.0	100		79.8	40-130		
Nitrobenzene	54.0		µg/l	5.00	100		54.0	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091711 - SW846 3510C										
LCS (6091711-BS1)										
Prepared: 26-Sep-06 Analyzed: 28-Sep-06										
2-Nitrophenol	76.5		µg/l	5.00	100		76.5	40-130		
4-Nitrophenol	66.0		µg/l	20.0	100		66.0	40-130		
N-Nitrosodimethylamine	76.2		µg/l	5.00	100		76.2	40-130		
N-Nitrosodi-n-propylamine	58.1		µg/l	5.00	100		58.1	40-130		
N-Nitrosodiphenylamine	77.4		µg/l	5.00	100		77.4	40-130		
Pentachlorophenol	117		µg/l	20.0	100		117	40-130		
Phenanthrene	82.8		µg/l	5.00	100		82.8	40-130		
Phenanthrene	82.8		µg/l	0.050	100		82.8	40-140		
Phenol	63.8		µg/l	5.00	100		63.8	40-130		
Pyrene	71.4		µg/l	5.00	100		71.4	40-130		
Pyrene	71.4		µg/l	0.050	100		71.4	40-140		
Pyridine	77.2		µg/l	5.00	100		77.2	40-130		
1,2,4-Trichlorobenzene	75.8		µg/l	5.00	100		75.8	40-130		
1-Methylnaphthalene	71.2		µg/l	5.00	100		71.2	40-140		
2,4,5-Trichlorophenol	78.4		µg/l	5.00	100		78.4	40-130		
2,4,6-Trichlorophenol	95.8		µg/l	5.00	100		95.8	40-130		
Surrogate: 2-Fluorobiphenyl	*89.4*		µg/l		*100*		*89.4*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*89.4*		µg/l		*100*		*89.4*	*30-130*		
Surrogate: 2-Fluorophenol	*78.5*		µg/l		*100*		*78.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.1*		µg/l		*100*		*72.1*	*30-130*		
Surrogate: Phenol-d5	*75.6*		µg/l		*100*		*75.6*	*15-110*		
Surrogate: Terphenyl-dl4	*88.8*		µg/l		*100*		*88.8*	*30-130*		
Surrogate: Terphenyl-dl4	*88.8*		µg/l		*100*		*88.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*128*	S-GC	µg/l		*100*		*128*	*15-110*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091742 - SW846 3005A										
Blank (6091742-BLK1)										
Prepared & Analyzed: 27-Sep-06										
Selenium	BRL	U	mg/l	0.0150						
Nickel	BRL	U	mg/l	0.0050						
Manganese	BRL	U	mg/l	0.0010						
Iron	BRL	U	mg/l	0.0125						
Lead	BRL	U	mg/l	0.0075						
Antimony	BRL	U	mg/l	0.0060						
Zinc	BRL	U	mg/l	0.0050						
Boron	BRL	U	mg/l	0.0100						
Barium	BRL	U	mg/l	0.0050						
Arsenic	0.0026	J	mg/l	0.0040						
Chromium	BRL	U	mg/l	0.0050						
Beryllium	BRL	U	mg/l	0.0020						
Cadmium	BRL	U	mg/l	0.0025						
LCS (6091742-BS1)										
Prepared & Analyzed: 27-Sep-06										
Manganese	1.30		mg/l	0.0010	1.25		104	85-115		
Lead	1.28		mg/l	0.0075	1.25		102	85-115		
Nickel	1.30		mg/l	0.0050	1.25		104	85-115		
Iron	1.24		mg/l	0.0125	1.25		99.2	85-115		
Antimony	1.23		mg/l	0.0060	1.25		98.4	85-115		
Selenium	1.24		mg/l	0.0150	1.25		99.2	85-115		
Zinc	1.34		mg/l	0.0050	1.25		107	85-115		
Cadmium	1.35		mg/l	0.0025	1.25		108	85-115		
Boron	1.24		mg/l	0.0100	1.25		99.2	85-115		
Chromium	1.28		mg/l	0.0050	1.25		102	85-115		
Barium	1.32		mg/l	0.0050	1.25		106	85-115		
Beryllium	1.26		mg/l	0.0020	1.25		101	85-115		
Arsenic	1.29		mg/l	0.0040	1.25		103	85-115		
LCS Dup (6091742-BSD1)										
Prepared & Analyzed: 27-Sep-06										
Iron	1.21		mg/l	0.0125	1.25		96.8	85-115	2.45	20
Nickel	1.26		mg/l	0.0050	1.25		101	85-115	3.12	20
Zinc	1.30		mg/l	0.0050	1.25		104	85-115	3.03	20
Manganese	1.26		mg/l	0.0010	1.25		101	85-115	3.12	20
Lead	1.24		mg/l	0.0075	1.25		99.2	85-115	3.17	20
Selenium	1.19		mg/l	0.0150	1.25		95.2	85-115	4.12	20
Antimony	1.19		mg/l	0.0060	1.25		95.2	85-115	3.31	20
Boron	1.20		mg/l	0.0100	1.25		96.0	85-115	3.28	20
Chromium	1.24		mg/l	0.0050	1.25		99.2	85-115	3.17	20
Arsenic	1.25		mg/l	0.0040	1.25		100	85-115	3.15	20
Cadmium	1.30		mg/l	0.0025	1.25		104	85-115	3.77	20
Beryllium	1.21		mg/l	0.0020	1.25		96.8	85-115	4.05	20
Barium	1.27		mg/l	0.0050	1.25		102	85-115	3.86	20
Duplicate (6091742-DUP1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Nickel	BRL	U	mg/l	0.0050		BRL				20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Manganese	BRL	U	mg/l	0.0010		0.0040				20
Iron	BRL	U	mg/l	0.0125		0.0204				20
Lead	BRL	U	mg/l	0.0075		0.0024				20
Zinc	BRL	U	mg/l	0.0050		0.0151				20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091742 - SW846 3005A										
Duplicate (6091742-DUP1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Antimony	BRL	U	mg/l	0.0060		0.0008				20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Barium	BRL	U	mg/l	0.0050		0.0016				20
Boron	BRL	U	mg/l	0.0100		BRL				20
Chromium	BRL	U	mg/l	0.0050		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Matrix Spike (6091742-MS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Lead	1.26		mg/l	0.0075	1.25	0.0024	101	75-125		
Antimony	1.20		mg/l	0.0060	1.25	0.0008	95.9	75-125		
Nickel	1.27		mg/l	0.0050	1.25	BRL	102	75-125		
Zinc	1.31		mg/l	0.0050	1.25	0.0151	104	75-125		
Iron	1.22		mg/l	0.0125	1.25	0.0204	96.0	75-125		
Selenium	1.20		mg/l	0.0150	1.25	BRL	96.0	75-125		
Manganese	1.26		mg/l	0.0010	1.25	0.0040	100	75-125		
Beryllium	1.23		mg/l	0.0020	1.25	BRL	98.4	75-125		
Cadmium	1.31		mg/l	0.0025	1.25	BRL	105	75-125		
Boron	1.21		mg/l	0.0100	1.25	BRL	96.8	75-125		
Barium	1.29		mg/l	0.0050	1.25	0.0016	103	75-125		
Arsenic	1.26		mg/l	0.0040	1.25	BRL	101	75-125		
Chromium	1.25		mg/l	0.0050	1.25	BRL	100	75-125		
Matrix Spike Dup (6091742-MSD1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Lead	1.29		mg/l	0.0075	1.25	0.0024	103	75-125	2.35	20
Nickel	1.31		mg/l	0.0050	1.25	BRL	105	75-125	3.10	20
Iron	1.25		mg/l	0.0125	1.25	0.0204	98.4	75-125	2.43	20
Selenium	1.24		mg/l	0.0150	1.25	BRL	99.2	75-125	3.28	20
Antimony	1.23		mg/l	0.0060	1.25	0.0008	98.3	75-125	2.47	20
Manganese	1.28		mg/l	0.0010	1.25	0.0040	102	75-125	1.57	20
Zinc	1.34		mg/l	0.0050	1.25	0.0151	106	75-125	2.26	20
Barium	1.31		mg/l	0.0050	1.25	0.0016	105	75-125	1.54	20
Arsenic	1.29		mg/l	0.0040	1.25	BRL	103	75-125	2.35	20
Boron	1.24		mg/l	0.0100	1.25	BRL	99.2	75-125	2.45	20
Beryllium	1.26		mg/l	0.0020	1.25	BRL	101	75-125	2.41	20
Cadmium	1.34		mg/l	0.0025	1.25	BRL	107	75-125	2.26	20
Chromium	1.29		mg/l	0.0050	1.25	BRL	103	75-125	3.15	20
Post Spike (6091742-PS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Iron	1.24		mg/l	0.0125	1.25	0.0204	97.6	80-120		
Manganese	1.26		mg/l	0.0010	1.25	0.0040	100	80-120		
Selenium	1.18		mg/l	0.0150	1.25	BRL	94.4	80-120		
Nickel	1.25		mg/l	0.0050	1.25	BRL	100	80-120		
Antimony	1.18		mg/l	0.0060	1.25	0.0008	94.3	80-120		
Lead	1.24		mg/l	0.0075	1.25	0.0024	99.0	80-120		
Zinc	1.29		mg/l	0.0050	1.25	0.0151	102	80-120		
Beryllium	1.21		mg/l	0.0020	1.25	BRL	96.8	80-120		
Boron	1.93	QC-1	mg/l	0.0100	1.25	BRL	154	80-120		
Chromium	1.24		mg/l	0.0050	1.25	BRL	99.2	80-120		
Cadmium	1.30		mg/l	0.0025	1.25	BRL	104	80-120		
Barium	1.28		mg/l	0.0050	1.25	0.0016	102	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091742 - SW846 3005A										
Post Spike (6091742-PS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Arsenic	1.23		mg/l	0.0040	1.25	BRL	98.4	80-120		
Batch 6091743 - SW846 3005A										
Blank (6091743-BLK1)										
Prepared & Analyzed: 27-Sep-06										
Thallium	0.00001	J	mg/l	0.0002						
LCS (6091743-BS1)										
Prepared & Analyzed: 27-Sep-06										
Thallium	1.23		mg/l	0.0050	1.25		98.4	85-115		
LCS Dup (6091743-BSD1)										
Prepared & Analyzed: 27-Sep-06										
Thallium	1.01	QC-1	mg/l	0.0050	1.25		80.8	85-115	19.6	20
Duplicate (6091743-DUP1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Thallium	0.000008	QR-01, J	mg/l	0.0002		0.0001			170	20
Matrix Spike (6091743-MS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Thallium	1.23		mg/l	0.0050	1.25	0.0001	98.4	75-125		
Matrix Spike Dup (6091743-MSD1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Thallium	1.27		mg/l	0.0050	1.25	0.0001	102	75-125	3.20	20
Post Spike (6091743-PS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Thallium	0.636	QC-1	mg/l	0.0025	1.25	0.0001	50.9	75-125		
Batch 6091844 - SW846 3005A										
Blank (6091844-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Copper	BRL	U	mg/l	0.0050						
Silver	0.0027	J	mg/l	0.0050						
LCS (6091844-BS1)										
Prepared & Analyzed: 28-Sep-06										
Silver	0.390	QC-1	mg/l	0.0050	0.500		78.0	85-115		
Copper	0.496		mg/l	0.0050	0.500		99.2	85-115		
LCS Dup (6091844-BSD1)										
Prepared & Analyzed: 28-Sep-06										
Silver	0.439		mg/l	0.0050	0.500		87.8	85-115	11.8	20
Copper	0.499		mg/l	0.0050	0.500		99.8	85-115	0.603	20
Duplicate (6091844-DUP1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Copper	0.0098	QR-01	mg/l	0.0050		0.0091			7.41	20
Silver	0.0014	QR-01, J	mg/l	0.0050		0.0044			103	20
Matrix Spike (6091844-MS1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Copper	0.494		mg/l	0.0050	0.500	0.0091	97.0	75-125		
Silver	0.369	QM-07	mg/l	0.0050	0.500	0.0044	72.9	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091844 - SW846 3005A										
Matrix Spike Dup (6091844-MSD1)	**Source: SA51332-04**									
Prepared & Analyzed: 28-Sep-06										
Copper	0.508		mg/l	0.0050	0.500	0.0091	99.8	75-125	2.79	20
Silver	0.387		mg/l	0.0050	0.500	0.0044	76.5	75-125	4.76	20

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091744 - EPA200/SW7000 Series										
Blank (6091744-BLK1)										
Prepared & Analyzed: 27-Sep-06										
Mercury	BRL	U	mg/l	0.00020						
LCS (6091744-BS1)										
Prepared & Analyzed: 27-Sep-06										
Mercury	0.00219		mg/l	0.00020	0.00250		87.6	80-120		
Duplicate (6091744-DUP1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Mercury	0.00005	J	mg/l	0.00020		BRL				20
Matrix Spike (6091744-MS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Mercury	0.00220		mg/l	0.00020	0.00250	BRL	88.0	75-125		
Matrix Spike Dup (6091744-MSD1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Mercury	0.00225		mg/l	0.00020	0.00250	BRL	90.0	75-125	2.25	20
Post Spike (6091744-PS1)	**Source: SA51461-04**									
Prepared & Analyzed: 27-Sep-06										
Mercury	0.00164	QC-1	mg/l	0.00020	0.00250	BRL	65.6	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091655 - General Preparation										
Blank (6091655-BLK1)										
Prepared & Analyzed: 22-Sep-06										
Chloride	0.300	J	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
Blank (6091655-BLK2)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	0.410	J	mg/l	1.00						
Nitrate as N	BRL	U	mg/l	0.100						
LCS (6091655-BS1)										
Prepared & Analyzed: 22-Sep-06										
Chloride	21.0		mg/l	1.00	20.0		105	90-110		
Nitrate as N	2.00		mg/l	0.100	2.00		100	90-110		
LCS (6091655-BS2)										
Prepared & Analyzed: 22-Sep-06										
Chloride	4.18		mg/l	1.00	4.00		104	90-110		
Nitrate as N	0.330	QL-01	mg/l	0.100	0.400		82.5	90-110		
LCS (6091655-BS3)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	21.7		mg/l	1.00	20.0		108	90-110		
Nitrate as N	1.98		mg/l	0.100	2.00		99.0	90-110		
LCS (6091655-BS4)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	4.74	QL-01	mg/l	1.00	4.00		118	90-110		
Nitrate as N	0.300	QL-01	mg/l	0.100	0.400		75.0	90-110		
Duplicate (6091655-DUP2) Source: SA51480-02										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.0900	J	mg/l	0.100		0.0800			11.8	20
Duplicate (6091655-DUP3) Source: SA51480-08										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.440		mg/l	0.100		0.440			0.00	20
Duplicate (6091655-DUP4) Source: SA50981-09										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	321		mg/l	10.0		322			0.311	20
Matrix Spike (6091655-MS2) Source: SA51480-02										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.510		mg/l	0.100	0.400	0.0800	108	90-110		
Matrix Spike (6091655-MS3) Source: SA51480-08										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.910	QM-05	mg/l	0.100	0.400	0.440	118	90-110		
Matrix Spike (6091655-MS4) Source: SA50981-09										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	367	QM-4X	mg/l	10.0	40.0	322	112	90-110		
Matrix Spike Dup (6091655-MSD2) Source: SA51480-02										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.520		mg/l	0.100	0.400	0.0800	110	90-110	1.94	20
Matrix Spike Dup (6091655-MSD3) Source: SA51480-08										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Nitrate as N	0.900	QM-05	mg/l	0.100	0.400	0.440	115	90-110	1.10	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091655 - General Preparation										
Matrix Spike Dup (6091655-MSD3) **Source: SA51480-08**										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Matrix Spike Dup (6091655-MSD4) **Source: SA50981-09**										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	364		mg/l	10.0	40.0	322	105	90-110	0.821	20
Reference (6091655-SRM1)										
Prepared & Analyzed: 22-Sep-06										
Chloride	25.0		mg/l	1.00	25.0		100	90-110		
Nitrate as N	2.44		mg/l	0.100	2.50		97.6	90-110		
Reference (6091655-SRM2)										
Prepared & Analyzed: 22-Sep-06										
Chloride	4.90		mg/l	1.00	5.00		98.0	90-110		
Nitrate as N	0.490		mg/l	0.100	0.500		98.0	90-110		
Reference (6091655-SRM3)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	25.5		mg/l	1.00	25.0		102	90-110		
Nitrate as N	2.46		mg/l	0.100	2.50		98.4	90-110		
Reference (6091655-SRM4)										
Prepared: 22-Sep-06 Analyzed: 23-Sep-06										
Chloride	5.23		mg/l	1.00	5.00		105	90-110		
Nitrate as N	0.490		mg/l	0.100	0.500		98.0	90-110		
Batch 6091760 - General Preparation										
Blank (6091760-BLK1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	BRL	U	mg/L CaCO3	1.00						
LCS (6091760-BS1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	29.0		mg/L CaCO3	1.00	30.0		96.7	90-110		
Duplicate (6091760-DUP1) **Source: SA51033-05**										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	50.0		mg/L CaCO3	1.00		49.0			2.02	20
Matrix Spike (6091760-MS1) **Source: SA51033-05**										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	79.0		mg/L CaCO3	1.00	30.0	49.0	100	80-120		
Reference (6091760-SRM1)										
Prepared & Analyzed: 26-Sep-06										
Total Alkalinity	30.0		mg/L CaCO3	1.00	30.2		99.3	89.6-110.2		
Batch 6091877 - General Preparation										
Blank (6091877-BLK1)										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	BRL	U	mg/l	5.00						
Duplicate (6091877-DUP1) **Source: SA51332-04**										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	30.0		mg/l	5.00		29.0			3.39	20
Reference (6091877-SRM1)										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091877 - General Preparation										
Reference (6091877-SRM1)										
Prepared: 26-Sep-06 Analyzed: 27-Sep-06										
Total Dissolved Solids	484		mg/l	10.0	500		96.8	90-110		
Batch 6091885 - General Preparation										
Blank (6091885-BLK1)										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	BRL	U	mg/l	0.0100						
LCS (6091885-BS1)										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.280		mg/l	0.0100	0.300		93.3	90-110		
Matrix Spike (6091885-MS1) **Source: SA51332-04**										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.284		mg/l	0.0100	0.300	BRL	94.7	75-125		
Matrix Spike Dup (6091885-MSD1) **Source: SA51332-04**										
Prepared & Analyzed: 27-Sep-06										
Cyanide (total)	0.284		mg/l	0.0100	0.300	BRL	94.7	75-125	0.00	20
Batch 6092058 - General Preparation										
Blank (6092058-BLK1)										
Prepared: 28-Sep-06 Analyzed: 29-Sep-06										
Chemical Oxygen Demand	BRL	U	mg/l	5.00						
LCS (6092058-BS1)										
Prepared: 28-Sep-06 Analyzed: 29-Sep-06										
Chemical Oxygen Demand	49.1		mg/l	5.00	50.0		98.2	90-110		
Duplicate (6092058-DUP1) **Source: SA51563-01**										
Prepared: 28-Sep-06 Analyzed: 29-Sep-06										
Chemical Oxygen Demand	4.97	J	mg/l	5.00		4.80			3.48	20
Matrix Spike (6092058-MS1) **Source: SA51563-01**										
Prepared: 28-Sep-06 Analyzed: 29-Sep-06										
Chemical Oxygen Demand	60.8		mg/l	5.00	50.0	4.80	112	80-120		
Reference (6092058-SRM1)										
Prepared: 28-Sep-06 Analyzed: 29-Sep-06										
Chemical Oxygen Demand	37.0		mg/l	5.00	43.0		86.0	78.6-116		
Batch 6092076 - General Preparation										
Blank (6092076-BLK1)										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	BRL	U	mg/l	1.00						
LCS (6092076-BS1)										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	20.1		mg/l	1.00	20.0		100	90-110		
LCS (6092076-BS2)										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	3.82		mg/l	1.00	4.00		95.5	90-110		
Duplicate (6092076-DUP1) **Source: SA51713-02**										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	1.77		mg/l	1.00		1.77			0.00	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6092076 - General Preparation										
Duplicate (6092076-DUP2)	**Source: SA51714-06**									
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	11.8		mg/l	1.00		11.8			0.00	20
Matrix Spike (6092076-MS1)	**Source: SA51713-02**									
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	5.96		mg/l	1.00	4.00	1.77	105	90-110		
Matrix Spike (6092076-MS2)	**Source: SA51714-06**									
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	15.4		mg/l	1.00	4.00	11.8	90.0	90-110		
Matrix Spike Dup (6092076-MSD1)	**Source: SA51713-02**									
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	5.93		mg/l	1.00	4.00	1.77	104	90-110	0.505	20
Matrix Spike Dup (6092076-MSD2)	**Source: SA51714-06**									
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	15.5		mg/l	1.00	4.00	11.8	92.5	90-110	0.647	20
Reference (6092076-SRM1)										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	24.7		mg/l	1.00	25.0		98.8	90-110		
Reference (6092076-SRM2)										
Prepared & Analyzed: 28-Sep-06										
Sulfate as SO4	4.80		mg/l	1.00	5.00		96.0	90-110		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0609245				
Calibration Check (0609245-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.00633E+08	0.167	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.85651E+08	-4.38	25.00
C11-C22 Aromatic Hydrocarbons	15.2099	13.2376	-2.94	25.00
Naphthalene	6.04283	6.57948	8.88	20.00
2-Methylnaphthalene	3.80723	3.97249	4.34	20.00
Acenaphthylene	6.12041	6.27262	2.49	20.00
Acenaphthene	3.76406	3.79969	0.947	20.00
Fluorene	4.20151	4.18741	-0.336	20.00
Phenanthrene	5.59188	5.34575	-4.40	20.00
Anthracene	5.73523	5.30083	-7.57	20.00
Fluoranthene	5.78483	5.62186	-2.82	20.00
Pyrene	6.00161	5.77811	-3.72	20.00
Benzo (a) anthracene	5.00688	4.79349	-4.26	20.00
Chrysene	5.44473	4.96359	-8.84	20.00
Benzo (b) fluoranthene	5.0411	4.19823	-16.7	20.00
Benzo (k) fluoranthene	5.77132	4.79517	-16.9	20.00
Benzo (a) pyrene	4.54736	4.14279	-8.90	20.00
Indeno (1,2,3-cd) pyrene	5.39689	4.57714	-15.2	20.00
Dibenzo (a,h) anthracene	4.59126	3.75882	-18.1	20.00
Benzo (g,h,i) perylene	4.70426	3.98709	-15.2	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0609264				
Calibration Check (0609264-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.10108E+08	5.17	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.78402E+08	-9.38	25.00
C11-C22 Aromatic Hydrocarbons	15.2099	13.3412	-2.35	25.00
Naphthalene	6.04283	5.98431	-0.968	20.00
2-Methylnaphthalene	3.80723	3.56858	-6.27	20.00
Acenaphthylene	6.12041	5.67143	-7.34	20.00
Acenaphthene	3.76406	3.43696	-8.69	20.00
Fluorene	4.20151	3.90597	-7.03	20.00
Phenanthrene	5.59188	5.31761	-4.90	20.00
Anthracene	5.73523	5.19491	-9.42	20.00
Fluoranthene	5.78483	5.77552	-0.161	20.00
Pyrene	6.00161	5.99921	-0.0400	20.00
Benzo (a) anthracene	5.00688	5.0516	0.893	20.00
Chrysene	5.44473	5.18567	-4.76	20.00
Benzo (b) fluoranthene	5.0411	4.98848	-1.04	20.00
Benzo (k) fluoranthene	5.77132	5.25753	-8.90	20.00
Benzo (a) pyrene	4.54736	4.39587	-3.33	20.00
Indeno (1,2,3-cd) pyrene	5.39689	4.9763	-7.79	20.00
Dibenzo (a,h) anthracene	4.59126	4.11421	-10.4	20.00
Benzo (g,h,i) perylene	4.70426	4.40644	-6.33	20.00

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
LP	Lab Preserved
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QL-01	Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA51461					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 10/2/2006

8A 51461@

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
51461 - 01 12	9/21/2006	13:00	CW-10	1						
				1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
- 02 51	9/21/2006	11:30	MW-110C	2						
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
- 03 158	9/22/2006	7:00	TB-406	2						
				1	40	mL Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
				1	40	mL Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T

S1461

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
S1461-04 162	9/21/2006	18:15	EB-401	15							
				1	1	Liter	Amber Glass	4 Deg C	BW	PCBs (Total) - 8082	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
				2	40	mL	Glass Vials	4 Deg C	BW	Alcohol - 8015M	T
				1	1	Liter	Amber Glass	4 Deg C	BW	SVOCs - 8270C	T
				1	1	Liter	Amber Glass	HCL, 4 Deg C	BW	EPH - MADEP	T
				1	1	Liter	Plastic	NaOH, 4 Deg C	BW	Cyanide -EPA 9010	T
				1	500	mL	Plastic	H2SO4, 4 Deg C	BW	COD -EPA 5220C	T
				1	500	mL	Plastic	HNO3, 4 Deg C	BW	Total PP13 Metals + boron -6010B/7470A	T
				1	500	mL	Plastic	HNO3, 4 Deg C	BW	Total PP13 Metals + extra metals -6010B/7470A*	T
				1	500	mL	Plastic	4 Deg C	BW	Alk.-EPA 310.1/ SO4, Cl -EPA 9056	T
				1	1	Liter	Plastic	4 Deg C	BW	Nitrate -EPA 9056 / TDS -EPA 2540C	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T
-05 163	9/21/2006	18:20	EB-402	2							
				2	40	mL	Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T

SDG Number: S012 **Start Date:** __/__/____ **End Date:** __/__/____

Relinquished: Rene P. Fuhrer **Date:** 9/22/06 **Time:** 1313

Received: [signature] **Date:** 9/23/06 **Time:** 113

5° iced

* Extra Metals = Barium, Iron and Manganese

SA 51461 @

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
51461 - 01 12	9/21/2006	13:00	CW-10	1						
				1	1	Liter Amber Glass	4 Deg C	GW	SVOCs - 8270C	T
- 02 51	9/21/2006	11:30	MW-110C	2						
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
- 03 158	9/22/2006	7:00	TB-406	2						
				1	40	mL Glass Vials	HCL, 4 Deg C	BW	VOCs - 8260B	T
				1	40	mL Glass Vials	HCL, 4 Deg C	BW	VPH - MADEP	T

Cancel per client email

Report Date:
10-Nov-06 09:05

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Gene Sheppard

Project: YNPS Rowe MA
Project 3617067091.03

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA52654-01	CW-5R	Ground Water	10-Oct-06 13:00	13-Oct-06 14:50
SA52654-02	FD001	Ground Water	10-Oct-06 13:00	13-Oct-06 14:50
SA52654-03	MW112A	Ground Water	11-Oct-06 12:45	13-Oct-06 14:50
SA52654-04	FD002	Ground Water	11-Oct-06 12:45	13-Oct-06 14:50
SA52654-05	EB403	Deionized Water	12-Oct-06 10:30	13-Oct-06 14:50
SA52654-06	TB07	Deionized Water	10-Oct-06 00:00	13-Oct-06 14:50
SA52654-07	MW-6R	Ground Water	12-Oct-06 09:50	13-Oct-06 14:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 45 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NY-MA012).

CASE NARRATIVE:

The data set for work order SA52654 complies with internal QC criteria for the methods performed. The samples were received @ 3.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CW-5R SA52654-01	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CW-5R SA52654-01	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90.2*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	0.00368	J	mg/l	0.0150	0.00100	1	+MADEP 5/2004 Rev. 1.1	20-Oct-06	20-Oct-06	6101491	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CW-5R	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06
SA52654-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
615-59-8	*2,5-Dibromotoluene (FID)*	*101*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	20-Oct-06	20-Oct-06	6101491	ss
615-59-8	*2,5-Dibromotoluene (PID)*	*86.4*		*70-130 %*				"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	18-Oct-06	18-Oct-06	6101251	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.15	0.196	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.15	0.113	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.15	0.155	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	5.15	0.124	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.15	0.124	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.15	0.237	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.15	0.155	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.15	0.124	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.15	0.361	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.15	0.330	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.15	0.0722	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.15	0.680	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.15	0.206	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.15	0.175	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.15	0.237	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.15	0.0825	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.15	0.144	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*75.1*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*45.4*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*19.0*	SGC	*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*67.0*		*40-140 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA52654-02	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA52654-02	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91.6*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*106*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*115*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
	C9-C12 Aliphatic Hydrocarbons	0.00564	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	0.00849	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA52654-02	3617067091.03	Ground Water	10-Oct-06 13:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
615-59-8	*2,5-Dibromotoluene (FID)*	*102*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
615-59-8	*2,5-Dibromotoluene (PID)*	*86.4*		*70-130 %*				"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	18-Oct-06	18-Oct-06	6101251	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.26	0.200	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.26	0.116	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.26	0.158	1	"	"	"	"	"
83-32-9	Acenaphthene	0.337	J	µg/l	5.26	0.126	1	"	"	"	"	"
86-73-7	Fluorene	0.674	J	µg/l	5.26	0.126	1	"	"	"	"	"
85-01-8	Phenanthrene	0.989	J	µg/l	5.26	0.242	1	"	"	"	"	"
120-12-7	Anthracene	0.968	J	µg/l	5.26	0.158	1	"	"	"	"	"
206-44-0	Fluoranthene	1.28	J	µg/l	5.26	0.126	1	"	"	"	"	"
129-00-0	Pyrene	1.22	J	µg/l	5.26	0.368	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	0.968	J	µg/l	5.26	0.337	1	"	"	"	"	"
218-01-9	Chrysene	1.07	J	µg/l	5.26	0.0737	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.26	0.695	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.26	0.211	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.26	0.179	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.26	0.242	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.26	0.0842	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.26	0.147	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*52.1*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*43.2*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*18.6*	SGC	*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*44.2*		*40-140 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW112A SA52654-03	3617067091.03	Ground Water	11-Oct-06 12:45	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW112A SA52654-03	3617067091.03	Ground Water	11-Oct-06 12:45	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*87.6*			*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"
Tentatively Identified Compounds by SW846 8260B												
Prepared by method SW846 5030 Water MS												
	Tentatively Identified Compounds	None found	U	µg/l			1	SW846 8260B	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	17-Oct-06	19-Oct-06	6101153	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0234	J	mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	0.0004	J	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0014	J	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0100	0.0026	1	"	"	"	"	"
7440-66-6	Zinc	0.0065	J	mg/l	0.0150	0.0039	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	17-Oct-06	18-Oct-06	6101154	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD002 SA52654-04	3617067091.03	Ground Water	11-Oct-06 12:45	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD002	3617067091.03	Ground Water	11-Oct-06 12:45	13-Oct-06
SA52654-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91.4*			*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*			"	"	"	"	"
Tentatively Identified Compounds by SW846 8260B												
Prepared by method SW846 5030 Water MS												
	Tentatively Identified Compounds	None found	U	µg/l			1	SW846 8260B	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0010	J	mg/l	0.0050	0.0008	1	SW846 6010B	17-Oct-06	19-Oct-06	6101153	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0224	J	mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	0.0004	J	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	BRL	U	mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0022	J	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0100	0.0026	1	"	"	"	"	"
7440-66-6	Zinc	0.0061	J	mg/l	0.0150	0.0039	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	17-Oct-06	18-Oct-06	6101154	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB403 SA52654-05	3617067091.03	Deionized Water	12-Oct-06 10:30	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	2.4		µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB403 SA52654-05	3617067091.03	Deionized Water	12-Oct-06 10:30	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*89.8*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*106*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB403 SA52654-05	3617067091.03	Deionized Water	12-Oct-06 10:30	13-Oct-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
615-59-8	*2,5-Dibromotoluene (FID)*	*98.0*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
615-59-8	*2,5-Dibromotoluene (PID)*	*83.0*		*70-130 %*				"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	18-Oct-06	19-Oct-06	6101251	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.21	0.198	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.21	0.115	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.21	0.365	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.21	0.333	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.21	0.0729	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.21	0.688	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.21	0.208	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.21	0.177	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.21	0.0833	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.21	0.146	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*69.3*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*43.8*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*12.6*	SGC	*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*44.6*		*40-140 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	17-Oct-06	19-Oct-06	6101153	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	BRL	U	mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	0.0002	J	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0018	J	mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0008	J	mg/l	0.0150	0.0006	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB403 SA52654-05	3617067091.03	Deionized Water	12-Oct-06 10:30	13-Oct-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	SW846 6010B	17-Oct-06	19-Oct-06	6101153	LR
7440-28-0	Thallium	BRL	U	mg/l	0.0100	0.0026	1	"	"	"	"	"
7440-66-6	Zinc	0.0067	J	mg/l	0.0150	0.0039	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	17-Oct-06	18-Oct-06	6101154	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB07 SA52654-06	3617067091.03	Deionized Water	10-Oct-06 00:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB07 SA52654-06	3617067091.03	Deionized Water	10-Oct-06 00:00	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90.6*			*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*			"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB07 SA52654-06	3617067091.03	Deionized Water	10-Oct-06 00:00	13-Oct-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
615-59-8	*2,5-Dibromotoluene (FID)*	*99.6*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	19-Oct-06	20-Oct-06	6101412	ss
615-59-8	*2,5-Dibromotoluene (PID)*	*83.6*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-6R SA52654-07	3617067091.03	Ground Water	12-Oct-06 09:50	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	9.9		µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-6R SA52654-07	3617067091.03	Ground Water	12-Oct-06 09:50	13-Oct-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	23-Oct-06	23-Oct-06	6101624	EK
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88.2*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*106*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*				"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	18-Oct-06	19-Oct-06	6101251	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	5.21	0.198	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.21	0.115	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	5.21	0.156	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-6R	3617067091.03	Ground Water	12-Oct-06 09:50	13-Oct-06
SA52654-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons												
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
120-12-7	Anthracene	BRL	U	µg/l	5.21	0.156	1	+MADEP 5/2004 R	18-Oct-06	19-Oct-06	6101251	M.B
206-44-0	Fluoranthene	BRL	U	µg/l	5.21	0.125	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.21	0.365	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.21	0.333	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.21	0.0729	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.21	0.688	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.21	0.208	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.21	0.177	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.21	0.240	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.21	0.0833	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.21	0.146	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*49.1*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*45.3*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*34.3*	SGC	*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*50.8*		*40-140 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101412 - VPH										
Blank (6101412-BLK1)										
Prepared & Analyzed: 19-Oct-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*41.9*		µg/l		*50.0*		*83.8*	*70-130*		
LCS (6101412-BS1)										
Prepared & Analyzed: 19-Oct-06										
C5-C8 Aliphatic Hydrocarbons	114		mg/l		140		81.4	70-130		
C9-C12 Aliphatic Hydrocarbons	63.0		mg/l		55.2		114	70-130		
C9-C10 Aromatic Hydrocarbons	33.7		mg/l		40.0		84.2	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	242		mg/l		280		86.4	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	96.8		mg/l		84.8		114	70-130		
Benzene	18.3		µg/l		20.0		91.5	70-130		
Ethylbenzene	18.1		µg/l		20.0		90.5	70-130		
Methyl tert-butyl ether	19.3		µg/l		20.0		96.5	70-130		
Naphthalene	20.2		µg/l		20.0		101	70-130		
Toluene	17.9		µg/l		20.0		89.5	70-130		
m,p-Xylene	35.8		µg/l		40.0		89.5	70-130		
o-Xylene	18.3		µg/l		20.0		91.5	70-130		
2-Methylpentane	21.4		µg/l		20.0		107	70-130		
n-Nonane	21.7		µg/l		20.0		108	70-130		
n-Pentane	20.3		µg/l		20.0		102	70-130		
1,2,4-Trimethylbenzene	18.7		µg/l		20.0		93.5	70-130		
2,2,4-Trimethylpentane	20.7		µg/l		20.0		104	70-130		
n-Butylcyclohexane	22.4		µg/l		20.0		112	70-130		
n-Decane	18.3		µg/l		20.0		91.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*39.5*		µg/l		*50.0*		*79.0*	*70-130*		
LCS Dup (6101412-BSD1)										
Prepared & Analyzed: 19-Oct-06										
C5-C8 Aliphatic Hydrocarbons	113		mg/l		140		80.7	70-130	0.864	25
C9-C12 Aliphatic Hydrocarbons	61.9		mg/l		55.2		112	70-130	1.77	25
C9-C10 Aromatic Hydrocarbons	37.1		mg/l		40.0		92.8	70-130	9.72	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	246		mg/l		280		87.9	70-130	1.72	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	99.0		mg/l		84.8		117	70-130	2.60	25
Benzene	18.5		µg/l		20.0		92.5	70-130	1.09	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101412 - VPH										
LCS Dup (6101412-BSD1)										
Prepared & Analyzed: 19-Oct-06										
Ethylbenzene	18.7		µg/l		20.0		93.5	70-130	3.26	25
Methyl tert-butyl ether	20.3		µg/l		20.0		102	70-130	5.54	25
Naphthalene	22.9		µg/l		20.0		114	70-130	12.1	25
Toluene	18.5		µg/l		20.0		92.5	70-130	3.30	25
m,p-Xylene	37.3		µg/l		40.0		93.2	70-130	4.05	25
o-Xylene	19.2		µg/l		20.0		96.0	70-130	4.80	25
2-Methylpentane	20.0		µg/l		20.0		100	70-130	6.76	25
n-Nonane	21.4		µg/l		20.0		107	70-130	0.930	25
n-Pentane	18.7		µg/l		20.0		93.5	70-130	8.70	25
1,2,4-Trimethylbenzene	19.2		µg/l		20.0		96.0	70-130	2.64	25
2,2,4-Trimethylpentane	21.2		µg/l		20.0		106	70-130	1.90	25
n-Butylcyclohexane	22.6		µg/l		20.0		113	70-130	0.889	25
n-Decane	22.3		µg/l		20.0		112	70-130	20.1	25
Surrogate: 2,5-Dibromotoluene (FID)	*58.0*		µg/l		*50.0*		*116*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*46.7*		µg/l		*50.0*		*93.4*	*70-130*		
Duplicate (6101412-DUP1) **Source: SA52809-06**										
Prepared: 19-Oct-06 Analyzed: 20-Oct-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*48.5*		µg/l		*50.0*		*97.0*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*41.0*		µg/l		*50.0*		*82.0*	*70-130*		
Matrix Spike (6101412-MS1) **Source: SA52809-06**										
Prepared: 19-Oct-06 Analyzed: 20-Oct-06										
Benzene	17.3		µg/l		20.0	BRL	86.5	70-130		
Ethylbenzene	17.6		µg/l		20.0	BRL	88.0	70-130		
Methyl tert-butyl ether	17.7		µg/l		20.0	BRL	88.5	70-130		
Naphthalene	18.0		µg/l		20.0	BRL	90.0	70-130		
Toluene	17.2		µg/l		20.0	BRL	86.0	70-130		
m,p-Xylene	34.8		µg/l		40.0	BRL	87.0	70-130		
o-Xylene	17.9		µg/l		20.0	BRL	89.5	70-130		
2-Methylpentane	17.6		µg/l		20.0	BRL	88.0	70-130		
n-Nonane	21.2		µg/l		20.0	BRL	106	70-130		
n-Pentane	16.8		µg/l		20.0	BRL	84.0	70-130		
1,2,4-Trimethylbenzene	18.7		µg/l		20.0	BRL	93.5	70-130		
2,2,4-Trimethylpentane	19.4		µg/l		20.0	BRL	97.0	70-130		
n-Butylcyclohexane	23.3		µg/l		20.0	0.0	116	70-130		
n-Decane	25.5		µg/l		20.0	0.0	128	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*47.8*		µg/l		*50.0*		*95.6*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*37.9*		µg/l		*50.0*		*75.8*	*70-130*		
Batch 6101491 - VPH										
Blank (6101491-BLK1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101491 - VPH										
Prepared & Analyzed: 20-Oct-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*54.2*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
LCS (6101491-BS1)										
Prepared & Analyzed: 20-Oct-06										
C5-C8 Aliphatic Hydrocarbons	127		mg/l		140		90.7	70-130		
C9-C12 Aliphatic Hydrocarbons	63.5		mg/l		55.2		115	70-130		
C9-C10 Aromatic Hydrocarbons	33.0		mg/l		40.0		82.5	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	251		mg/l		280		89.6	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	96.5		mg/l		84.8		114	70-130		
Benzene	17.1		µg/l		20.0		85.5	70-130		
Ethylbenzene	17.9		µg/l		20.0		89.5	70-130		
Methyl tert-butyl ether	17.9		µg/l		20.0		89.5	70-130		
Naphthalene	19.6		µg/l		20.0		98.0	70-130		
Toluene	17.4		µg/l		20.0		87.0	70-130		
m,p-Xylene	35.5		µg/l		40.0		88.8	70-130		
o-Xylene	18.2		µg/l		20.0		91.0	70-130		
2-Methylpentane	18.9		µg/l		20.0		94.5	70-130		
n-Nonane	19.3		µg/l		20.0		96.5	70-130		
n-Pentane	17.1		µg/l		20.0		85.5	70-130		
1,2,4-Trimethylbenzene	19.0		µg/l		20.0		95.0	70-130		
2,2,4-Trimethylpentane	20.9		µg/l		20.0		104	70-130		
n-Butylcyclohexane	21.3		µg/l		20.0		106	70-130		
n-Decane	18.8		µg/l		20.0		94.0	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*56.7*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*44.5*		µg/l		*50.0*		*89.0*	*70-130*		
LCS Dup (6101491-BSD1)										
Prepared & Analyzed: 20-Oct-06										
C5-C8 Aliphatic Hydrocarbons	122		mg/l		140		87.1	70-130	4.05	25
C9-C12 Aliphatic Hydrocarbons	61.7		mg/l		55.2		112	70-130	2.64	25
C9-C10 Aromatic Hydrocarbons	34.5		mg/l		40.0		86.2	70-130	4.39	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	244		mg/l		280		87.1	70-130	2.83	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	96.2		mg/l		84.8		113	70-130	0.881	25
Benzene	16.9		µg/l		20.0		84.5	70-130	1.18	25
Ethylbenzene	17.7		µg/l		20.0		88.5	70-130	1.12	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101491 - VPH										
LCS Dup (6101491-BSD1)										
Prepared & Analyzed: 20-Oct-06										
Methyl tert-butyl ether	17.9		µg/l		20.0		89.5	70-130	0.00	25
Naphthalene	19.1		µg/l		20.0		95.5	70-130	2.58	25
Toluene	17.1		µg/l		20.0		85.5	70-130	1.74	25
m,p-Xylene	35.3		µg/l		40.0		88.2	70-130	0.678	25
o-Xylene	18.0		µg/l		20.0		90.0	70-130	1.10	25
2-Methylpentane	17.8		µg/l		20.0		89.0	70-130	5.99	25
n-Nonane	19.6		µg/l		20.0		98.0	70-130	1.54	25
n-Pentane	16.9		µg/l		20.0		84.5	70-130	1.18	25
1,2,4-Trimethylbenzene	18.6		µg/l		20.0		93.0	70-130	2.13	25
2,2,4-Trimethylpentane	20.1		µg/l		20.0		100	70-130	3.92	25
n-Butylcyclohexane	21.5		µg/l		20.0		108	70-130	1.87	25
n-Decane	19.5		µg/l		20.0		97.5	70-130	3.66	25
Surrogate: 2,5-Dibromotoluene (FID)	*55.3*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*43.8*		µg/l		*50.0*		*87.6*	*70-130*		
Duplicate (6101491-DUP1)	**Source: SA52655-03**									
Prepared & Analyzed: 20-Oct-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	0.00539	J	mg/l	0.0250		0.00567			5.06	50
C9-C10 Aromatic Hydrocarbons	0.0130	J	mg/l	0.0250		0.0136			4.51	50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		0.00548				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	0.0184	J	mg/l	0.0250		0.0193			4.77	50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*48.4*		µg/l		*50.0*		*96.8*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*40.9*		µg/l		*50.0*		*81.8*	*70-130*		
Matrix Spike (6101491-MS1)	**Source: SA52654-01**									
Prepared: 20-Oct-06 Analyzed: 21-Oct-06										
Benzene	19.3		µg/l		20.0	BRL	96.5	70-130		
Ethylbenzene	19.7		µg/l		20.0	BRL	98.5	70-130		
Methyl tert-butyl ether	16.3		µg/l		20.0	BRL	81.5	70-130		
Naphthalene	17.0		µg/l		20.0	BRL	85.0	70-130		
Toluene	18.8		µg/l		20.0	BRL	94.0	70-130		
m,p-Xylene	41.2		µg/l		40.0	BRL	103	70-130		
o-Xylene	19.3		µg/l		20.0	BRL	96.5	70-130		
2-Methylpentane	21.8		µg/l		20.0	BRL	109	70-130		
n-Nonane	24.8		µg/l		20.0	BRL	124	70-130		
n-Pentane	21.1		µg/l		20.0	BRL	106	70-130		
1,2,4-Trimethylbenzene	21.3		µg/l		20.0	BRL	106	70-130		
2,2,4-Trimethylpentane	22.0		µg/l		20.0	BRL	110	70-130		
n-Butylcyclohexane	25.2		µg/l		20.0	0.0	126	70-130		
n-Decane	25.9		µg/l		20.0	1.57	122	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*43.0*		µg/l		*50.0*		*86.0*	*70-130*		
Matrix Spike Dup (6101491-MSD1)	**Source: SA52654-01**									
Prepared & Analyzed: 20-Oct-06										
Benzene	15.9		µg/l		20.0	BRL	79.5	70-130	19.3	30
Ethylbenzene	15.8		µg/l		20.0	BRL	79.0	70-130	22.0	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101491 - VPH										
Matrix Spike Dup (6101491-MSD1)	**Source: SA52654-01**									
Prepared & Analyzed: 20-Oct-06										
Methyl tert-butyl ether	16.1		µg/l		20.0	BRL	80.5	70-130	1.23	30
Naphthalene	17.2		µg/l		20.0	BRL	86.0	70-130	1.17	30
Toluene	15.7		µg/l		20.0	BRL	78.5	70-130	18.0	30
m,p-Xylene	31.2		µg/l		40.0	BRL	78.0	70-130	27.6	30
o-Xylene	16.0		µg/l		20.0	BRL	80.0	70-130	18.7	30
2-Methylpentane	17.4		µg/l		20.0	BRL	87.0	70-130	22.4	30
n-Nonane	19.3		µg/l		20.0	BRL	96.5	70-130	24.9	30
n-Pentane	16.3		µg/l		20.0	BRL	81.5	70-130	26.1	30
1,2,4-Trimethylbenzene	16.3		µg/l		20.0	BRL	81.5	70-130	26.1	30
2,2,4-Trimethylpentane	18.7		µg/l		20.0	BRL	93.5	70-130	16.2	30
n-Butylcyclohexane	19.2		µg/l		20.0	0.0	96.0	70-130	27.0	30
n-Decane	21.7		µg/l		20.0	1.57	101	70-130	18.8	30
Surrogate: 2,5-Dibromotoluene (FID)	*54.6*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*44.2*		µg/l		*50.0*		*88.4*	*70-130*		
Batch 6101624 - SW846 5030 Water MS										
Blank (6101624-BLK1)										
Prepared & Analyzed: 23-Oct-06										
Tentatively Identified Compounds	None found	U	µg/l							
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101624 - SW846 5030 Water MS										
Blank (6101624-BLK1)										
Prepared & Analyzed: 23-Oct-06										
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*45.1*		µg/l		*50.0*		*90.2*	*70-130*		
Surrogate: Toluene-d8	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.5*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*56.4*		µg/l		*50.0*		*113*	*70-130*		
LCS (6101624-BS1)										
Prepared & Analyzed: 23-Oct-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.4		µg/l		20.0		107	70-130		
Acetone	14.3		µg/l		20.0		71.5	28.5-162		
Acrylonitrile	17.0		µg/l		20.0		85.0	70-130		
Benzene	19.7		µg/l		20.0		98.5	70-130		
Bromobenzene	24.4		µg/l		20.0		122	70-130		
Bromochloromethane	22.2		µg/l		20.0		111	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101624 - SW846 5030 Water MS										
LCS (6101624-BS1)										
Prepared & Analyzed: 23-Oct-06										
Bromodichloromethane	26.0		µg/l		20.0		130	70-130		
Bromoform	40.5	QC2	µg/l		20.0		202	70-130		
Bromomethane	21.8		µg/l		20.0		109	43.9-144		
2-Butanone (MEK)	19.4		µg/l		20.0		97.0	46.8-144		
n-Butylbenzene	19.2		µg/l		20.0		96.0	70-130		
sec-Butylbenzene	20.8		µg/l		20.0		104	70-130		
tert-Butylbenzene	22.5		µg/l		20.0		112	70-130		
Carbon disulfide	18.9		µg/l		20.0		94.5	70-130		
Carbon tetrachloride	28.6	QC2	µg/l		20.0		143	70-130		
Chlorobenzene	22.3		µg/l		20.0		112	70-130		
Chloroethane	18.7		µg/l		20.0		93.5	55.2-136		
Chloroform	20.0		µg/l		20.0		100	70-130		
Chloromethane	19.3		µg/l		20.0		96.5	70-130		
2-Chlorotoluene	21.5		µg/l		20.0		108	70-130		
4-Chlorotoluene	20.3		µg/l		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	25.4		µg/l		20.0		127	70-130		
Dibromochloromethane	25.1		µg/l		20.0		126	67.9-128		
1,2-Dibromoethane (EDB)	22.4		µg/l		20.0		112	70-130		
Dibromomethane	22.7		µg/l		20.0		114	70-130		
1,2-Dichlorobenzene	21.4		µg/l		20.0		107	70-130		
1,3-Dichlorobenzene	24.2		µg/l		20.0		121	70-130		
1,4-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130		
Dichlorodifluoromethane (Freon12)	34.2		µg/l		20.0		171	40.8-172		
1,1-Dichloroethane	19.8		µg/l		20.0		99.0	70-130		
1,2-Dichloroethane	22.0		µg/l		20.0		110	70-130		
1,1-Dichloroethene	20.3		µg/l		20.0		102	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	19.8		µg/l		20.0		99.0	70-130		
1,2-Dichloropropane	19.3		µg/l		20.0		96.5	70-130		
1,3-Dichloropropane	21.0		µg/l		20.0		105	70-130		
2,2-Dichloropropane	40.1	QC2	µg/l		20.0		200	70-130		
1,1-Dichloropropene	21.3		µg/l		20.0		106	70-130		
cis-1,3-Dichloropropene	22.5		µg/l		20.0		112	70-130		
trans-1,3-Dichloropropene	35.0	QC2	µg/l		20.0		175	70-130		
Ethylbenzene	20.2		µg/l		20.0		101	70-130		
Hexachlorobutadiene	24.9		µg/l		20.0		124	66.3-135		
2-Hexanone (MBK)	17.9		µg/l		20.0		89.5	70-130		
Isopropylbenzene	21.3		µg/l		20.0		106	70-130		
4-Isopropyltoluene	21.1		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	24.0		µg/l		20.0		120	70-130		
4-Methyl-2-pentanone (MIBK)	19.9		µg/l		20.0		99.5	48.6-137		
Methylene chloride	17.3		µg/l		20.0		86.5	70-130		
Naphthalene	20.7		µg/l		20.0		104	70-130		
n-Propylbenzene	21.2		µg/l		20.0		106	70-130		
Styrene	22.6		µg/l		20.0		113	70-130		
1,1,1,2-Tetrachloroethane	24.6		µg/l		20.0		123	70-130		
1,1,2,2-Tetrachloroethane	23.0		µg/l		20.0		115	70-130		
Tetrachloroethene	24.4		µg/l		20.0		122	70-130		
Toluene	19.4		µg/l		20.0		97.0	70-130		
1,2,3-Trichlorobenzene	23.0		µg/l		20.0		115	70-130		
1,2,4-Trichlorobenzene	22.5		µg/l		20.0		112	70-130		
1,1,1-Trichloroethane	23.9		µg/l		20.0		120	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101624 - SW846 5030 Water MS										
LCS (6101624-BS1)										
Prepared & Analyzed: 23-Oct-06										
1,1,2-Trichloroethane	21.5		µg/l		20.0		108	70-130		
Trichloroethene	19.5		µg/l		20.0		97.5	70-130		
Trichlorofluoromethane (Freon 11)	24.7		µg/l		20.0		124	57.3-141		
1,2,3-Trichloropropane	23.5		µg/l		20.0		118	70-130		
1,2,4-Trimethylbenzene	20.3		µg/l		20.0		102	70-130		
1,3,5-Trimethylbenzene	21.2		µg/l		20.0		106	70-130		
Vinyl chloride	22.7		µg/l		20.0		114	70-130		
m,p-Xylene	42.2		µg/l		40.0		106	70-130		
o-Xylene	21.9		µg/l		20.0		110	70-130		
Tetrahydrofuran	17.3		µg/l		20.0		86.5	70-130		
Ethyl ether	17.0		µg/l		20.0		85.0	61.2-127		
Tert-amyl methyl ether	16.9		µg/l		20.0		84.5	70-130		
Ethyl tert-butyl ether	24.5		µg/l		20.0		122	70-130		
Di-isopropyl ether	18.9		µg/l		20.0		94.5	70-130		
Tert-Butanol / butyl alcohol	156		µg/l		200		78.0	70-130		
1,4-Dioxane	185		µg/l		200		92.5	43.3-143		
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.8*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*54.7*		µg/l		*50.0*		*109*	*70-130*		
LCS Dup (6101624-BSD1)										
Prepared & Analyzed: 23-Oct-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/l		20.0		100	70-130	6.76	25
Acetone	15.2		µg/l		20.0		76.0	28.5-162	6.10	50
Acrylonitrile	16.5		µg/l		20.0		82.5	70-130	2.99	25
Benzene	18.7		µg/l		20.0		93.5	70-130	5.21	25
Bromobenzene	21.9		µg/l		20.0		110	70-130	10.3	25
Bromochloromethane	21.6		µg/l		20.0		108	70-130	2.74	25
Bromodichloromethane	23.9		µg/l		20.0		120	70-130	8.00	25
Bromoform	36.3	QC2	µg/l		20.0		182	70-130	10.4	25
Bromomethane	19.2		µg/l		20.0		96.0	43.9-144	12.7	50
2-Butanone (MEK)	17.8		µg/l		20.0		89.0	46.8-144	8.60	50
n-Butylbenzene	18.0		µg/l		20.0		90.0	70-130	6.45	25
sec-Butylbenzene	18.7		µg/l		20.0		93.5	70-130	10.6	25
tert-Butylbenzene	20.9		µg/l		20.0		104	70-130	7.41	25
Carbon disulfide	17.1		µg/l		20.0		85.5	70-130	10.0	25
Carbon tetrachloride	26.2	QC2	µg/l		20.0		131	70-130	8.76	25
Chlorobenzene	20.1		µg/l		20.0		100	70-130	11.3	25
Chloroethane	17.0		µg/l		20.0		85.0	55.2-136	9.52	50
Chloroform	18.9		µg/l		20.0		94.5	70-130	5.66	25
Chloromethane	18.3		µg/l		20.0		91.5	70-130	5.32	25
2-Chlorotoluene	19.4		µg/l		20.0		97.0	70-130	10.7	25
4-Chlorotoluene	18.4		µg/l		20.0		92.0	70-130	10.3	25
1,2-Dibromo-3-chloropropane	25.9		µg/l		20.0		130	70-130	2.33	25
Dibromochloromethane	24.5		µg/l		20.0		122	67.9-128	3.23	50
1,2-Dibromoethane (EDB)	22.2		µg/l		20.0		111	70-130	0.897	25
Dibromomethane	22.5		µg/l		20.0		112	70-130	1.77	25
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	2.84	25
1,3-Dichlorobenzene	22.2		µg/l		20.0		111	70-130	8.62	25
1,4-Dichlorobenzene	19.2		µg/l		20.0		96.0	70-130	2.57	25
Dichlorodifluoromethane (Freon12)	30.3		µg/l		20.0		152	40.8-172	11.8	50
1,1-Dichloroethane	18.6		µg/l		20.0		93.0	70-130	6.25	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101624 - SW846 5030 Water MS										
LCS Dup (6101624-BSD1)										
Prepared & Analyzed: 23-Oct-06										
1,2-Dichloroethane	20.7		µg/l		20.0		104	70-130	5.61	25
1,1-Dichloroethene	18.8		µg/l		20.0		94.0	70-130	8.16	25
cis-1,2-Dichloroethene	19.0		µg/l		20.0		95.0	70-130	6.12	25
trans-1,2-Dichloroethene	18.8		µg/l		20.0		94.0	70-130	5.18	25
1,2-Dichloropropane	18.4		µg/l		20.0		92.0	70-130	4.77	25
1,3-Dichloropropane	19.0		µg/l		20.0		95.0	70-130	10.0	25
2,2-Dichloropropane	37.0	QC2	µg/l		20.0		185	70-130	7.79	25
1,1-Dichloropropene	19.8		µg/l		20.0		99.0	70-130	6.83	25
cis-1,3-Dichloropropene	21.2		µg/l		20.0		106	70-130	5.50	25
trans-1,3-Dichloropropene	32.9	QC2	µg/l		20.0		164	70-130	6.49	25
Ethylbenzene	18.2		µg/l		20.0		91.0	70-130	10.4	25
Hexachlorobutadiene	23.6		µg/l		20.0		118	66.3-135	4.96	50
2-Hexanone (MBK)	17.7		µg/l		20.0		88.5	70-130	1.12	25
Isopropylbenzene	19.1		µg/l		20.0		95.5	70-130	10.4	25
4-Isopropyltoluene	19.9		µg/l		20.0		99.5	70-130	6.33	25
Methyl tert-butyl ether	23.3		µg/l		20.0		116	70-130	3.39	25
4-Methyl-2-pentanone (MIBK)	19.0		µg/l		20.0		95.0	48.6-137	4.63	50
Methylene chloride	16.4		µg/l		20.0		82.0	70-130	5.34	25
Naphthalene	20.2		µg/l		20.0		101	70-130	2.93	25
n-Propylbenzene	18.9		µg/l		20.0		94.5	70-130	11.5	25
Styrene	20.7		µg/l		20.0		104	70-130	8.29	25
1,1,1,2-Tetrachloroethane	24.0		µg/l		20.0		120	70-130	2.47	25
1,1,2,2-Tetrachloroethane	21.4		µg/l		20.0		107	70-130	7.21	25
Tetrachloroethene	22.2		µg/l		20.0		111	70-130	9.44	25
Toluene	17.9		µg/l		20.0		89.5	70-130	8.04	25
1,2,3-Trichlorobenzene	21.1		µg/l		20.0		106	70-130	8.14	25
1,2,4-Trichlorobenzene	21.4		µg/l		20.0		107	70-130	4.57	25
1,1,1-Trichloroethane	22.6		µg/l		20.0		113	70-130	6.01	25
1,1,2-Trichloroethane	21.1		µg/l		20.0		106	70-130	1.87	25
Trichloroethene	18.5		µg/l		20.0		92.5	70-130	5.26	25
Trichlorofluoromethane (Freon 11)	21.7		µg/l		20.0		108	57.3-141	13.8	50
1,2,3-Trichloropropane	23.2		µg/l		20.0		116	70-130	1.71	25
1,2,4-Trimethylbenzene	18.6		µg/l		20.0		93.0	70-130	9.23	25
1,3,5-Trimethylbenzene	19.3		µg/l		20.0		96.5	70-130	9.38	25
Vinyl chloride	20.5		µg/l		20.0		102	70-130	11.1	25
m,p-Xylene	38.3		µg/l		40.0		95.8	70-130	10.1	25
o-Xylene	20.4		µg/l		20.0		102	70-130	7.55	25
Tetrahydrofuran	15.3		µg/l		20.0		76.5	70-130	12.3	25
Ethyl ether	16.3		µg/l		20.0		81.5	61.2-127	4.20	50
Tert-amyl methyl ether	16.5		µg/l		20.0		82.5	70-130	2.40	25
Ethyl tert-butyl ether	23.1		µg/l		20.0		116	70-130	5.04	25
Di-isopropyl ether	18.0		µg/l		20.0		90.0	70-130	4.88	25
Tert-Butanol / butyl alcohol	150		µg/l		200		75.0	70-130	3.92	25
1,4-Dioxane	172		µg/l		200		86.0	43.3-143	7.28	25
Surrogate: 4-Bromofluorobenzene	*47.2*		µg/l		*50.0*		*94.4*	*70-130*		
Surrogate: Toluene-d8	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/l		*50.0*		*109*	*70-130*		
Matrix Spike (6101624-MS1)	**Source: SA52654-01**									
Prepared & Analyzed: 23-Oct-06										
Benzene	17.3		µg/l		20.0	BRL	86.5	70-130		
Chlorobenzene	20.2		µg/l		20.0	BRL	101	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101624 - SW846 5030 Water MS										
Matrix Spike (6101624-MS1)	**Source: SA52654-01**									
Prepared & Analyzed: 23-Oct-06										
1,1-Dichloroethene	18.6		µg/l		20.0	BRL	93.0	70-130		
Toluene	17.9		µg/l		20.0	BRL	89.5	70-130		
Trichloroethene	18.5		µg/l		20.0	BRL	92.5	70-130		
Surrogate: 4-Bromofluorobenzene	*44.8*		µg/l		*50.0*		*89.6*	*70-130*		
Surrogate: Toluene-d8	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.4*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/l		*50.0*		*109*	*70-130*		
Matrix Spike (6101624-MS2)	**Source: SA52654-03**									
Prepared & Analyzed: 23-Oct-06										
Benzene	17.4		µg/l		20.0	BRL	87.0	70-130		
Chlorobenzene	19.9		µg/l		20.0	BRL	99.5	70-130		
1,1-Dichloroethene	18.5		µg/l		20.0	BRL	92.5	70-130		
Toluene	17.8		µg/l		20.0	BRL	89.0	70-130		
Trichloroethene	18.0		µg/l		20.0	BRL	90.0	70-130		
Surrogate: 4-Bromofluorobenzene	*44.6*		µg/l		*50.0*		*89.2*	*70-130*		
Surrogate: Toluene-d8	*53.0*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*54.9*		µg/l		*50.0*		*110*	*70-130*		
Matrix Spike Dup (6101624-MSD1)	**Source: SA52654-01**									
Prepared & Analyzed: 23-Oct-06										
Benzene	17.5		µg/l		20.0	BRL	87.5	70-130	1.15	30
Chlorobenzene	20.2		µg/l		20.0	BRL	101	70-130	0.00	30
1,1-Dichloroethene	18.5		µg/l		20.0	BRL	92.5	70-130	0.539	30
Toluene	17.2		µg/l		20.0	BRL	86.0	70-130	3.99	30
Trichloroethene	18.0		µg/l		20.0	BRL	90.0	70-130	2.74	30
Surrogate: 4-Bromofluorobenzene	*45.3*		µg/l		*50.0*		*90.6*	*70-130*		
Surrogate: Toluene-d8	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.9*		µg/l		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*56.3*		µg/l		*50.0*		*113*	*70-130*		
Matrix Spike Dup (6101624-MSD2)	**Source: SA52654-03**									
Prepared & Analyzed: 23-Oct-06										
Benzene	17.0		µg/l		20.0	BRL	85.0	70-130	2.33	30
Chlorobenzene	19.6		µg/l		20.0	BRL	98.0	70-130	1.52	30
1,1-Dichloroethene	17.6		µg/l		20.0	BRL	88.0	70-130	4.99	30
Toluene	17.4		µg/l		20.0	BRL	87.0	70-130	2.27	30
Trichloroethene	18.2		µg/l		20.0	BRL	91.0	70-130	1.10	30
Surrogate: 4-Bromofluorobenzene	*44.7*		µg/l		*50.0*		*89.4*	*70-130*		
Surrogate: Toluene-d8	*53.1*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.4*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/l		*50.0*		*109*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101251 - SW846 3510C										
Blank (6101251-BLK1)										
Prepared & Analyzed: 18-Oct-06										
C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Naphthalene	BRL	U	µg/l	2.91						
2-Methylnaphthalene	BRL	U	µg/l	2.91						
Acenaphthylene	BRL	U	µg/l	2.91						
Acenaphthene	BRL	U	µg/l	2.91						
Fluorene	BRL	U	µg/l	2.91						
Phenanthrene	BRL	U	µg/l	2.91						
Anthracene	BRL	U	µg/l	2.91						
Fluoranthene	BRL	U	µg/l	2.91						
Pyrene	BRL	U	µg/l	2.91						
Benzo (a) anthracene	BRL	U	µg/l	2.91						
Chrysene	BRL	U	µg/l	2.91						
Benzo (b) fluoranthene	BRL	U	µg/l	2.91						
Benzo (k) fluoranthene	BRL	U	µg/l	2.91						
Benzo (a) pyrene	BRL	U	µg/l	2.91						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	2.91						
Dibenzo (a,h) anthracene	BRL	U	µg/l	2.91						
Benzo (g,h,i) perylene	BRL	U	µg/l	2.91						
n-Hexadecane	0.00	U	µg/l							
n-Tetradecane	0.00	U	µg/l							
n-Eicosane	0.00	U	µg/l							
n-Nonadecane	0.00	U	µg/l							
n-Octacosane	0.00	U	µg/l							
Naphthalene (aliphatic fraction)	0.00	U	µg/l							
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l							
Surrogate: 1-Chlorooctadecane	*25.7*		µg/l		*58.1*		*44.2*	*40-140*		
Surrogate: Ortho-Terphenyl	*23.5*		µg/l		*58.1*		*40.4*	*40-140*		
Surrogate: 2-Bromonaphthalene	*25.0*		µg/l		*46.5*		*53.8*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.9*		µg/l		*46.5*		*68.6*	*40-140*		
LCS (6101251-BS1)										
Prepared & Analyzed: 18-Oct-06										
C9-C18 Aliphatic Hydrocarbons	0.529		mg/l	0.2	0.732		72.3	40-140		
C19-C36 Aliphatic Hydrocarbons	0.787		mg/l	0.2	0.976		80.6	40-140		
C11-C22 Aromatic Hydrocarbons	1.60		mg/l	0.2	2.07		77.3	40-140		
Naphthalene	56.6		µg/l	3.05	122		46.4	40-140		
2-Methylnaphthalene	69.5		µg/l	3.05	122		57.0	40-140		
Acenaphthylene	79.3		µg/l	3.05	122		65.0	40-140		
Acenaphthene	80.7		µg/l	3.05	122		66.1	40-140		
Fluorene	85.6		µg/l	3.05	122		70.2	40-140		
Phenanthrene	90.2		µg/l	3.05	122		73.9	40-140		
Anthracene	91.9		µg/l	3.05	122		75.3	40-140		
Fluoranthene	91.5		µg/l	3.05	122		75.0	40-140		
Pyrene	93.1		µg/l	3.05	122		76.3	40-140		
Benzo (a) anthracene	96.1		µg/l	3.05	122		78.8	40-140		
Chrysene	95.3		µg/l	3.05	122		78.1	40-140		
Benzo (b) fluoranthene	98.0		µg/l	3.05	122		80.3	40-140		
Benzo (k) fluoranthene	98.4		µg/l	3.05	122		80.7	40-140		
Benzo (a) pyrene	99.9		µg/l	3.05	122		81.9	40-140		
Indeno (1,2,3-cd) pyrene	106		µg/l	3.05	122		86.9	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101251 - SW846 3510C										
LCS (6101251-BS1)										
Prepared & Analyzed: 18-Oct-06										
Dibenzo (a,h) anthracene	104		µg/l	3.05	122		85.2	40-140		
Benzo (g,h,i) perylene	104		µg/l	3.05	122		85.2	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		122			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		122			0-200		
Surrogate: 1-Chlorooctadecane	*43.3*		µg/l		*61.0*		*71.0*	*40-140*		
Surrogate: Ortho-Terphenyl	*28.0*		µg/l		*61.0*		*45.9*	*40-140*		
Surrogate: 2-Bromonaphthalene	*25.6*		µg/l		*48.8*		*52.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*34.7*		µg/l		*48.8*		*71.1*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Fractionation Check Standard (6101251-BS2)										
Prepared & Analyzed: 18-Oct-06										
C9-C18 Aliphatic Hydrocarbons	0.414		mg/l	0.2	0.600		69.0	40-140		
C19-C36 Aliphatic Hydrocarbons	0.502		mg/l	0.2	0.800		62.8	40-140		
C11-C22 Aromatic Hydrocarbons	1.71		mg/l	0.2	1.70		101	40-140		
Naphthalene	60.8		µg/l	2.50	100		60.8	40-140		
2-Methylnaphthalene	66.9		µg/l	2.50	100		66.9	40-140		
Acenaphthylene	73.2		µg/l	2.50	100		73.2	40-140		
Acenaphthene	72.6		µg/l	2.50	100		72.6	40-140		
Fluorene	77.6		µg/l	2.50	100		77.6	40-140		
Phenanthrene	84.3		µg/l	2.50	100		84.3	40-140		
Anthracene	84.7		µg/l	2.50	100		84.7	40-140		
Fluoranthene	92.0		µg/l	2.50	100		92.0	40-140		
Pyrene	93.2		µg/l	2.50	100		93.2	40-140		
Benzo (a) anthracene	102		µg/l	2.50	100		102	40-140		
Chrysene	98.8		µg/l	2.50	100		98.8	40-140		
Benzo (b) fluoranthene	90.3		µg/l	2.50	100		90.3	40-140		
Benzo (k) fluoranthene	114		µg/l	2.50	100		114	40-140		
Benzo (a) pyrene	106		µg/l	2.50	100		106	40-140		
Indeno (1,2,3-cd) pyrene	110		µg/l	2.50	100		110	40-140		
Dibenzo (a,h) anthracene	107		µg/l	2.50	100		107	40-140		
Benzo (g,h,i) perylene	110		µg/l	2.50	100		110	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*29.0*		µg/l		*50.0*		*58.0*	*40-140*		
Surrogate: Ortho-Terphenyl	*26.0*		µg/l		*50.0*		*52.0*	*40-140*		
Surrogate: 2-Bromonaphthalene	*23.6*		µg/l		*40.0*		*59.0*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.1*		µg/l		*40.0*		*77.8*	*40-140*		
LCS Dup (6101251-BSD1)										
Prepared & Analyzed: 18-Oct-06										
C9-C18 Aliphatic Hydrocarbons	0.448		mg/l	0.2	0.698		64.2	40-140	11.9	25
C19-C36 Aliphatic Hydrocarbons	0.658		mg/l	0.2	0.930		70.8	40-140	12.9	25
C11-C22 Aromatic Hydrocarbons	1.70		mg/l	0.2	1.98		85.9	40-140	10.5	25
Naphthalene	49.6		µg/l	2.91	116		42.8	40-140	8.07	20
2-Methylnaphthalene	60.8		µg/l	2.91	116		52.4	40-140	8.41	20
Acenaphthylene	70.2		µg/l	2.91	116		60.5	40-140	7.17	20
Acenaphthene	73.2		µg/l	2.91	116		63.1	40-140	4.64	20
Fluorene	80.1		µg/l	2.91	116		69.1	40-140	1.58	20
Phenanthrene	88.5		µg/l	2.91	116		76.3	40-140	3.20	20
Anthracene	87.7		µg/l	2.91	116		75.6	40-140	0.398	20
Fluoranthene	93.0		µg/l	2.91	116		80.2	40-140	6.70	20
Pyrene	93.0		µg/l	2.91	116		80.2	40-140	4.98	20
Benzo (a) anthracene	101		µg/l	2.91	116		87.1	40-140	10.0	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101251 - SW846 3510C										
LCS Dup (6101251-BSD1)										
Prepared & Analyzed: 18-Oct-06										
Chrysene	97.0		µg/l	2.91	116		83.6	40-140	6.80	20
Benzo (b) fluoranthene	103		µg/l	2.91	116		88.8	40-140	10.1	20
Benzo (k) fluoranthene	101		µg/l	2.91	116		87.1	40-140	7.63	20
Benzo (a) pyrene	105		µg/l	2.91	116		90.5	40-140	9.98	20
Indeno (1,2,3-cd) pyrene	109		µg/l	2.91	116		94.0	40-140	7.85	20
Dibenzo (a,h) anthracene	108		µg/l	2.91	116		93.1	40-140	8.86	20
Benzo (g,h,i) perylene	110		µg/l	2.91	116		94.8	40-140	10.7	20
Naphthalene (aliphatic fraction)	0.00	U	µg/l		116			0-200		200
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		116			0-200		200
Surrogate: 1-Chlorooctadecane	*34.2*		µg/l		*58.1*		*58.9*	*40-140*		
Surrogate: Ortho-Terphenyl	*27.1*		µg/l		*58.1*		*46.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*24.0*		µg/l		*46.5*		*51.6*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*31.5*		µg/l		*46.5*		*67.7*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Matrix Spike (6101251-MS1)	**Source: SA52654-01**									
Prepared & Analyzed: 18-Oct-06										
Naphthalene	40.8	QC1	µg/l	2.63	105	BRL	38.9	40-140		
Acenaphthene	58.3		µg/l	2.63	105	BRL	55.5	40-140		
Anthracene	71.1		µg/l	2.63	105	BRL	67.7	40-140		
Pyrene	79.2		µg/l	2.63	105	BRL	75.4	40-140		
Chrysene	85.2		µg/l	2.63	105	BRL	81.1	40-140		
n-Hexadecane	70.5		µg/l		105	0.00	67.1	40-140		
n-Tetradecane	61.6		µg/l		105	0.00	58.7	40-140		
n-Eicosane	81.2		µg/l		105	0.00	77.3	40-140		
n-Nonadecane	81.3		µg/l		105	0.00	77.4	40-140		
n-Octacosane	81.3		µg/l		105	0.00	77.4	40-140		
Surrogate: 1-Chlorooctadecane	*37.1*		µg/l		*52.6*		*70.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*21.1*		µg/l		*52.6*		*40.1*	*40-140*		
Surrogate: 2-Bromonaphthalene	*21.2*		µg/l		*42.1*		*50.4*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*25.9*		µg/l		*42.1*		*61.5*	*40-140*		
Matrix Spike Dup (6101251-MSD1)	**Source: SA52654-01**									
Prepared & Analyzed: 18-Oct-06										
Naphthalene	49.8		µg/l	2.66	106	BRL	47.0	40-140	18.9	50
Acenaphthene	65.2		µg/l	2.66	106	BRL	61.5	40-140	10.3	50
Anthracene	77.2		µg/l	2.66	106	BRL	72.8	40-140	7.26	50
Pyrene	84.4		µg/l	2.66	106	BRL	79.6	40-140	5.42	50
Chrysene	86.9		µg/l	2.66	106	BRL	82.0	40-140	1.10	50
n-Hexadecane	64.3		µg/l		106	0.00	60.7	40-140	10.0	50
n-Tetradecane	55.4		µg/l		106	0.00	52.3	40-140	11.5	50
n-Eicosane	73.2		µg/l		106	0.00	69.1	40-140	11.2	50
n-Nonadecane	73.9		µg/l		106	0.00	69.7	40-140	10.5	50
n-Octacosane	54.9		µg/l		106	0.00	51.8	40-140	39.6	50
Surrogate: 1-Chlorooctadecane	*32.7*		µg/l		*53.2*		*61.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*22.2*		µg/l		*53.2*		*41.7*	*40-140*		
Surrogate: 2-Bromonaphthalene	*26.5*		µg/l		*42.6*		*62.2*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*27.8*		µg/l		*42.6*		*65.3*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101153 - SW846 3005A										
Blank (6101153-BLK1)										
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Thallium	BRL	U	mg/l	0.0100						
Nickel	BRL	U	mg/l	0.0050						
Lead	BRL	U	mg/l	0.0075						
Antimony	0.0021	J	mg/l	0.0150						
Selenium	BRL	U	mg/l	0.0150						
Zinc	0.0136	J	mg/l	0.0150						
Boron	BRL	U	mg/l	0.0500						
Beryllium	BRL	U	mg/l	0.0020						
Cadmium	0.0002	J	mg/l	0.0025						
Chromium	BRL	U	mg/l	0.0050						
Silver	0.0074	QB2	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0040						
Copper	BRL	U	mg/l	0.0050						
LCS (6101153-BS1)										
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Antimony	0.449		mg/l	0.0150	0.500		89.8	85-115		
Lead	0.479		mg/l	0.0075	0.500		95.8	85-115		
Nickel	0.493		mg/l	0.0050	0.500		98.6	85-115		
Zinc	0.488		mg/l	0.0150	0.500		97.6	85-115		
Thallium	0.464		mg/l	0.0100	0.500		92.8	85-115		
Selenium	0.475		mg/l	0.0150	0.500		95.0	85-115		
Beryllium	0.508		mg/l	0.0020	0.500		102	85-115		
Silver	0.471		mg/l	0.0050	0.500		94.2	85-115		
Chromium	0.488		mg/l	0.0050	0.500		97.6	85-115		
Copper	0.508		mg/l	0.0050	0.500		102	85-115		
Boron	0.454		mg/l	0.0500	0.500		90.8	85-115		
Arsenic	0.461		mg/l	0.0040	0.500		92.2	85-115		
Cadmium	0.494		mg/l	0.0025	0.500		98.8	85-115		
LCS Dup (6101153-BSD1)										
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Thallium	0.479		mg/l	0.0100	0.500		95.8	85-115	3.18	20
Lead	0.495		mg/l	0.0075	0.500		99.0	85-115	3.29	20
Nickel	0.508		mg/l	0.0050	0.500		102	85-115	3.00	20
Zinc	0.504		mg/l	0.0150	0.500		101	85-115	3.23	20
Antimony	0.463		mg/l	0.0150	0.500		92.6	85-115	3.07	20
Selenium	0.493		mg/l	0.0150	0.500		98.6	85-115	3.72	20
Silver	0.486		mg/l	0.0050	0.500		97.2	85-115	3.13	20
Arsenic	0.479		mg/l	0.0040	0.500		95.8	85-115	3.83	20
Boron	0.467		mg/l	0.0500	0.500		93.4	85-115	2.82	20
Beryllium	0.522		mg/l	0.0020	0.500		104	85-115	2.72	20
Chromium	0.500		mg/l	0.0050	0.500		100	85-115	2.43	20
Copper	0.524		mg/l	0.0050	0.500		105	85-115	3.10	20
Cadmium	0.512		mg/l	0.0025	0.500		102	85-115	3.58	20
Duplicate (6101153-DUP1)	**Source: SA52654-04**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Thallium	BRL	U	mg/l	0.0100		BRL				20
Antimony	0.0014	QR1, J	mg/l	0.0150		0.0022			44.4	20
Nickel	BRL	U	mg/l	0.0050		BRL				20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Zinc	0.0066	J	mg/l	0.0150		0.0061			7.87	20
Lead	BRL	U	mg/l	0.0075		BRL				20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101153 - SW846 3005A										
Duplicate (6101153-DUP1)	**Source: SA52654-04**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Silver	BRL	U	mg/l	0.0050		0.0010				20
Boron	0.0257	J	mg/l	0.0500		0.0224			13.7	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Cadmium	0.0004	J	mg/l	0.0025		0.0004			0.00	20
Chromium	BRL	U	mg/l	0.0050		BRL				20
Copper	0.0014	J	mg/l	0.0050		BRL				20
Matrix Spike (6101153-MS1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Lead	0.487		mg/l	0.0075	0.500	BRL	97.4	75-125		
Zinc	0.516		mg/l	0.0150	0.500	0.0065	102	75-125		
Thallium	0.460		mg/l	0.0100	0.500	BRL	92.0	75-125		
Antimony	0.460		mg/l	0.0150	0.500	0.0014	91.7	75-125		
Nickel	0.506		mg/l	0.0050	0.500	BRL	101	75-125		
Selenium	0.498		mg/l	0.0150	0.500	BRL	99.6	75-125		
Copper	0.536		mg/l	0.0050	0.500	BRL	107	75-125		
Silver	0.498		mg/l	0.0050	0.500	BRL	99.6	75-125		
Beryllium	0.526		mg/l	0.0020	0.500	BRL	105	75-125		
Arsenic	0.486		mg/l	0.0040	0.500	BRL	97.2	75-125		
Cadmium	0.512		mg/l	0.0025	0.500	0.0004	102	75-125		
Chromium	0.508		mg/l	0.0050	0.500	BRL	102	75-125		
Boron	0.490		mg/l	0.0500	0.500	0.0234	93.3	75-125		
Matrix Spike Dup (6101153-MSD1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Nickel	0.519		mg/l	0.0050	0.500	BRL	104	75-125	2.54	20
Selenium	0.511		mg/l	0.0150	0.500	BRL	102	75-125	2.58	20
Antimony	0.476		mg/l	0.0150	0.500	0.0014	94.9	75-125	3.42	20
Thallium	0.479		mg/l	0.0100	0.500	BRL	95.8	75-125	4.05	20
Lead	0.498		mg/l	0.0075	0.500	BRL	99.6	75-125	2.23	20
Zinc	0.526		mg/l	0.0150	0.500	0.0065	104	75-125	1.92	20
Beryllium	0.542		mg/l	0.0020	0.500	BRL	108	75-125	3.00	20
Boron	0.508		mg/l	0.0500	0.500	0.0234	96.9	75-125	3.61	20
Cadmium	0.523		mg/l	0.0025	0.500	0.0004	105	75-125	2.13	20
Arsenic	0.498		mg/l	0.0040	0.500	BRL	99.6	75-125	2.44	20
Chromium	0.521		mg/l	0.0050	0.500	BRL	104	75-125	2.53	20
Silver	0.512		mg/l	0.0050	0.500	BRL	102	75-125	2.77	20
Copper	0.552		mg/l	0.0050	0.500	BRL	110	75-125	2.94	20
Post Spike (6101153-PS1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Antimony	0.436		mg/l	0.0150	0.500	0.0014	86.9	80-120		
Selenium	0.492		mg/l	0.0150	0.500	BRL	98.4	80-120		
Thallium	0.462		mg/l	0.0100	0.500	BRL	92.4	80-120		
Lead	0.482		mg/l	0.0075	0.500	BRL	96.4	80-120		
Nickel	0.498		mg/l	0.0050	0.500	BRL	99.6	80-120		
Zinc	0.510		mg/l	0.0150	0.500	0.0065	101	80-120		
Boron	0.481		mg/l	0.0500	0.500	0.0234	91.5	80-120		
Cadmium	0.504		mg/l	0.0025	0.500	0.0004	101	80-120		
Beryllium	0.514		mg/l	0.0020	0.500	BRL	103	80-120		
Arsenic	0.482		mg/l	0.0040	0.500	BRL	96.4	80-120		
Silver	0.375	QC1	mg/l	0.0050	0.500	BRL	75.0	80-120		
Chromium	0.493		mg/l	0.0050	0.500	BRL	98.6	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101153 - SW846 3005A										
Post Spike (6101153-PS1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 19-Oct-06										
Copper	0.524		mg/l	0.0050	0.500	BRL	105	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6101154 - EPA200/SW7000 Series										
Blank (6101154-BLK1)										
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	BRL	U	mg/l	0.00020						
LCS (6101154-BS1)										
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	0.00220		mg/l	0.00020	0.00250		88.0	80-120		
Duplicate (6101154-DUP1)	**Source: SA52654-04**									
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (6101154-MS1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	0.00193		mg/l	0.00020	0.00250	BRL	77.2	75-125		
Matrix Spike Dup (6101154-MSD1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	0.00206		mg/l	0.00020	0.00250	BRL	82.4	75-125	6.52	20
Post Spike (6101154-PS1)	**Source: SA52654-03**									
Prepared: 17-Oct-06 Analyzed: 18-Oct-06										
Mercury	0.00210		mg/l	0.00020	0.00250	BRL	84.0	75-125		

Analyte	Average RF	CCRF	% D	Limit
Batch 0610154				
Calibration Check (0610154-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.65638E+08	1.78677E+08	7.83	25.00
C19-C36 Aliphatic Hydrocarbons	1.25992E+08	1.10022E+08	-2.75	25.00
C11-C22 Aromatic Hydrocarbons	28.6471	15.8967	3.53	25.00
Naphthalene	5.36757	5.85384	9.06	20.00
2-Methylnaphthalene	3.40497	3.73901	9.81	20.00
Acenaphthylene	5.56673	6.16928	10.8	20.00
Acenaphthene	3.51029	3.82026	8.83	20.00
Fluorene	3.96959	4.33406	9.18	20.00
Phenanthrene	5.65204	6.07839	7.54	20.00
Anthracene	5.77917	6.27211	8.53	20.00
Fluoranthene	6.13739	6.15153	0.230	20.00
Pyrene	6.29603	6.27887	-0.273	20.00
Benzo (a) anthracene	5.60982	5.40989	-3.56	20.00
Chrysene	5.67902	5.35094	-5.78	20.00
Benzo (b) fluoranthene	5.44401	4.70991	-13.5	20.00
Benzo (k) fluoranthene	5.18701	5.49229	5.89	20.00
Benzo (a) pyrene	4.77194	4.72024	-1.08	20.00
Indeno (1,2,3-cd) pyrene	4.95015	4.88487	-1.32	20.00
Dibenzo (a,h) anthracene	4.20788	4.1034	-2.48	20.00
Benzo (g,h,i) perylene	4.22539	4.11888	-2.52	20.00

Analyte	Average RF	CCRF	% D	Limit
Batch 0610168				
Calibration Check (0610168-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.65638E+08	1.87421E+08	13.2	25.00
C19-C36 Aliphatic Hydrocarbons	1.25992E+08	1.14936E+08	1.62	25.00
C11-C22 Aromatic Hydrocarbons	28.6471	14.9547	-8.82	25.00
Naphthalene	5.36757	4.94641	-7.85	20.00
2-Methylnaphthalene	3.40497	3.20555	-5.86	20.00
Acenaphthylene	5.56673	5.28999	-4.97	20.00
Acenaphthene	3.51029	3.32768	-5.20	20.00
Fluorene	3.96959	3.857	-2.84	20.00
Phenanthrene	5.65204	5.52361	-2.27	20.00
Anthracene	5.77917	5.59487	-3.19	20.00
Fluoranthene	6.13739	6.14504	0.125	20.00
Pyrene	6.29603	6.2649	-0.494	20.00
Benzo (a) anthracene	5.60982	5.57554	-0.611	20.00
Chrysene	5.67902	5.6429	-0.636	20.00
Benzo (b) fluoranthene	5.44401	4.9792	-8.54	20.00
Benzo (k) fluoranthene	5.18701	5.64888	8.90	20.00
Benzo (a) pyrene	4.77194	4.92103	3.12	20.00
Indeno (1,2,3-cd) pyrene	4.95015	4.91225	-0.766	20.00
Dibenzo (a,h) anthracene	4.20788	4.32559	2.80	20.00
Benzo (g,h,i) perylene	4.22539	4.46412	5.65	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit

Volatile Organic Compounds - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0610188				
Calibration Check (0610188-CCV1)				
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.227371	0.234935	3.33	
Acetone	0.0300104	0.0211847	-29.4	
Acrylonitrile	0.10399	0.0860639	-17.2	
Benzene	1.16687	1.14185	-2.14	
Bromobenzene	0.716536	0.885342	23.6	
Bromochloromethane	0.130633	0.139737	6.97	
Bromodichloromethane	0.309437	0.391358	26.5	
Bromoform	0.159499	0.419607	94.2	
Bromomethane	0.172235	0.156282	-9.26	
2-Butanone (MEK)	0.0973491	0.0855404	-12.1	
n-Butylbenzene	2.24266	2.43251	-11.4	
sec-Butylbenzene	2.83108	3.49388	-3.00	
tert-Butylbenzene	1.83339	2.36759	14.2	
Carbon disulfide	0.821704	0.722941	-12.0	
Carbon tetrachloride	0.170604	0.302546	20.8	
Chlorobenzene	1.81617	1.94682	7.19	
Chloroethane	0.220519	0.198302	-10.1	
Chloroform	0.60198	0.482902	-3.00	20.00
Chloromethane	0.3314	0.300092	-9.45	
2-Chlorotoluene	2.09852	2.29442	9.34	
4-Chlorotoluene	2.23002	2.29763	3.03	
1,2-Dibromo-3-chloropropane	0.0622294	0.11119	13.8	
Dibromochloromethane	0.182916	0.274485	15.6	
1,2-Dibromoethane (EDB)	0.169245	0.229678	4.40	
Dibromomethane	0.15558	0.170077	9.32	
1,2-Dichlorobenzene	1.43472	1.4859	3.57	
1,3-Dichlorobenzene	1.36272	1.61123	18.2	
1,4-Dichlorobenzene	1.5957	1.5416	-3.39	
Dichlorodifluoromethane (Freon12)	0.169971	0.262167	54.2	
1,1-Dichloroethane	0.494501	0.476959	-3.55	
1,2-Dichloroethane	0.361268	0.386036	6.86	
1,1-Dichloroethene	0.236664	0.225305	-4.80	20.00
cis-1,2-Dichloroethene	0.289142	0.293211	1.41	
trans-1,2-Dichloroethene	0.25343	0.240562	-5.08	
1,2-Dichloropropane	0.301277	0.288657	-4.19	20.00
1,3-Dichloropropane	0.427067	0.433155	1.43	
2,2-Dichloropropane	0.0914379	0.19406	112	
1,1-Dichloropropene	0.329614	0.336671	2.14	
cis-1,3-Dichloropropene	0.29276	0.403022	2.00	
trans-1,3-Dichloropropene	0.130417	0.31066	89.2	
Ethylbenzene	3.2889	3.33114	1.28	20.00
Hexachlorobutadiene	0.362978	0.419052	15.4	
2-Hexanone (MBK)	0.130528	0.13881	-14.0	
Isopropylbenzene	2.74353	2.94115	7.20	
4-Isopropyltoluene	2.63661	2.73861	-6.00	
Methyl tert-butyl ether	0.46754	0.535905	14.6	
4-Methyl-2-pentanone (MIBK)	0.211582	0.212943	0.643	

Analyte	Average RF	CCRF	% D	Limit
Batch 0610188				
Calibration Check (0610188-CCV1)				
Methylene chloride	0.374946	0.282752	-17.2	
Naphthalene	1.96087	1.92659	-1.75	
n-Propylbenzene	3.42267	3.73217	9.04	
Styrene	1.89428	2.17261	14.7	
1,1,1,2-Tetrachloroethane	0.376171	0.604243	12.6	
1,1,2,2-Tetrachloroethane	0.606859	0.692722	14.1	
Tetrachloroethene	0.188399	0.223822	18.8	
Toluene	0.791972	0.74285	-6.20	20.00
1,2,3-Trichlorobenzene	0.770243	0.84584	9.81	
1,2,4-Trichlorobenzene	0.830449	0.923355	11.2	
1,1,1-Trichloroethane	0.252134	0.355031	5.60	
1,1,2-Trichloroethane	0.191316	0.200407	4.75	
Trichloroethene	0.274682	0.264457	-3.72	
Trichlorofluoromethane (Freon 11)	0.352456	0.415024	17.8	
1,2,3-Trichloropropane	0.459284	0.5455	18.8	
1,2,4-Trimethylbenzene	2.6017	2.69615	3.63	
1,3,5-Trimethylbenzene	2.41065	2.63101	9.14	
Vinyl chloride	0.322257	0.355794	10.4	20.00
m,p-Xylene	1.28698	1.36283	5.89	
o-Xylene	1.24283	1.38312	11.3	
Tetrahydrofuran	0.0694372	0.0634505	-8.62	
Ethyl ether	0.189892	0.155442	-18.1	
Tert-amyl methyl ether	0.375892	0.300992	-19.9	
Ethyl tert-butyl ether	0.349155	0.557853	8.40	
Di-isopropyl ether	0.992911	0.919498	-7.39	
Tert-Butanol / butyl alcohol	0.0119048	0.0115968	-34.4	
1,4-Dioxane	1.58006E-03	1.88454E-03	-6.60	
4-Bromofluorobenzene	0.891076	0.887926	-0.354	
Toluene-d8	1.01019	1.04355	3.30	
1,2-Dichloroethane-d4	0.265549	0.283052	6.59	
Dibromofluoromethane	0.226825	0.242487	6.90	

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
NFTC	None found
QB2	The method blank contains analyte at a concentration above the MRL, however no reportable concentration is present in the sample.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA52654					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 11/10/2006

SA 52654 GM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MACTEC ENG + CONS
511 CONGRESS ST.
PORTLAND, ME. 04101

Project Mgr.: GENE SHEPPARD

Invoice To: ← SAME

P.O. No.: _____ RQN: _____

Project No.: 3617067091.03
Site Name: YANKEE ATOMIC
Location: ROWE State: MA
Sampler(s): RENE AUBE

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=DI H2O X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260B	VPH - MADEP	EPH - MADEP	VOC 8260B WITH TICS	TOTAL PP13 METALS + BORON (6010B-7470A)				QA Reporting Notes: (check if needed)
52654-01	CW-5R	10/10/06	1300	G	GW	2	5	1			X	X	X						☐ Provide MA DEP MCP CAM Report ☐ Provide CT DPH RCP Report QA/QC Reporting Level ☐ Standard ☐ No QC ☐ Other _____ State specific reporting standards:
02	CW-5R (DUP)	↓	↓	G	GW	2	5	1			X	X	X						
03	CW-5R (MS)			G	GW	2	5	1			X	X	X						
04	CW-5R (MSD)			G	GW	2	5	1			X	X	X						
05	MW112A	10/11/06	1245	G	GW	2/4	3			1				X	X				
06	MW112A (DUP)			G	GW	2/4	3			1				X	X				
07	MW112A (MS)			G	GW	2/4	3			1				X	X				
08	MW112A (MSD)			G	GW	2/4	3			1				X	X				
09	EB403	10/12/06	1030	G	X1	2/4	5	1		1	X	X	X		X				
10	TB07	—	—	—	X1	2	2	RPA			X	X							

☐ Fax results when available to (____) _____
☐ E-mail to _____
EDD Format _____
Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 3

Relinquished by:	Received by:	Date:	Time:
Rene P. Aube	[signature]	10/13/06	250

SA52654-11

SPECTRUM ANALYTICAL, INC.
Featuring
*HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MACTEC ENG + CONS
511 CONGRESS ST.
PORTLAND, ME. 04101

Project Mgr.: GENE SHEPPARD

Invoice To: ← SAME

P.O. No.: _____ RQN: _____

Project No.: 3617067091.03
Site Name: YANKEE ATOMIC
Location: ROWE State: MA
Sampler(s): RENE AUBE

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: VOC 8260	EPH - MADEP						QA Reporting Notes: (check if needed)
52654-01	MW-6R	10/12/06	0950	G	GW	2	3	1				X	X						

- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DPH RCP Report

QA/QC Reporting Level
- [ ] Standard
- [ ] No QC
- [ ] Other _____

State specific reporting standards: _____

- [ ] Fax results when available to (____) _____
- [ ] E-mail to _____
EDD Format _____

Condition upon receipt: [x] Iced [ ] Ambient [ ] °C 3

Relinquished by:	Received by:	Date:	Time:
Rene P. Aube	[signature]	10/13/06	250

SA 52654 GM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MACTEC ENG + CONS
511 CONGRESS ST.
PORTLAND, ME. 04101

Project Mgr.: GENE SHEPPARD

Invoice To: ← SAME

P.O. No.: _____ RQN: _____

Project No.: 3617067091.03
Site Name: YANKEE ATOMIC
Location: ROWE State: MA
Sampler(s): RENE AUBE

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=DI H2O X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: VOC 8260B	VPH - MADEP	EPH - MADEP	VOC 8260B WITH TICS	TOTAL PP13 METALS + BORON (6010B-7470A)	QA Reporting Notes: (check if needed)
52654-01	CW-5R	10/10/06	1300	G	GW	2	5	1			X	X	X			
02	CW-5R (DUP)	↓	↓	G	GW	2	5	1			X	X	X			FD001
03	CW-5R (MS)			G	GW	2	5	1			X	X	X			MS001-CW-5R
04	CW-5R (MSD)			G	GW	2	5	1			X	X	X			MSD001-CW-5R
05	MW112A	10/11/06	1245	G	GW	2/4	3			1				X	X	
06	MW112A (DUP)	↓	↓	G	GW	2/4	3			1				X	X	FD002
07	MW112A (MS)			G	GW	2/4	3			1				X	X	MS002-MW112A
08	MW112A (MSD)			G	GW	2/4	3			1				X	X	MSD001-MW112A
09	EB403	10/12/06	1030	G	X1	2/4	5	1		1	X	X	X		X	
10	TB07	—	—	—	X1	2	2	RPA			X	X				See attached

- [ ] Fax results when available to (____) _____
- [ ] E-mail to _____
EDD Format _____

Condition upon receipt: [x] Iced [ ] Ambient [ ] °C 3

Relinquished by:	Received by:	Date:	Time:
Rene P. Aube	[signature]	10/13/06	250

Report Date:
15-Dec-06 15:50

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA55222-01	MW-6R	Ground Water	05-Dec-06 11:40	07-Dec-06 14:45
SA55222-02	MW-112A	Ground Water	06-Dec-06 09:56	07-Dec-06 14:45
SA55222-03	TB-501	Ground Water	06-Dec-06 10:15	07-Dec-06 14:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 20 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The data set for work order SA55222 complies with internal QC criteria for the methods performed.

The samples were received @ 4.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-6R SA55222-01	[none]	Ground Water	05-Dec-06 11:40	07-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by method SW846 3510C											
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	1	+MADEP 5/2004 R	08-Dec-06	11-Dec-06	6120532	jd
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	1	"	"	"	"	"
EPH Target PAH Analytes											
Prepared by method SW846 3510C											
91-20-3	Naphthalene	BRL	U	µg/l	1.00	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	1.00	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	1.00	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	1.00	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	1.00	1	"	"	"	"	"
85-01-8	Phenanthrene	0.277	J	µg/l	1.00	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	1.00	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	1.00	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	1.00	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	1.00	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	1.00	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	1.00	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	1.00	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	1.00	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*42.5*		*40-140 %*			"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*56.2*		*40-140 %*			"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*93.0*		*40-140 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*102*		*40-140 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-112A SA55222-02	[none]	Ground Water	06-Dec-06 09:56	07-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL	U	µg/l	1.0	1	SW 846 8260B	15-Dec-06	15-Dec-06	6121175	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL	U	µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-112A SA55222-02	[none]	Ground Water	06-Dec-06 09:56	07-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	1	SW 846 8260B	15-Dec-06	15-Dec-06	6121175	tr
100-42-5	Styrene	BRL	U	µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	2.4		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-501 SA55222-03	[none]	Ground Water	06-Dec-06 10:15	07-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL	U	µg/l	1.0	1	SW 846 8260B	15-Dec-06	15-Dec-06	6121175	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL	U	µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-501 SA55222-03	[none]	Ground Water	06-Dec-06 10:15	07-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	1	SW 846 8260B	15-Dec-06	15-Dec-06	6121175	tr
100-42-5	Styrene	BRL	U	µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99.6*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121175 - SW846 5030 Water MS										
Blank (6121175-BLK1)										
Prepared & Analyzed: 15-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121175 - SW846 5030 Water MS										
Blank (6121175-BLK1)										
Prepared & Analyzed: 15-Dec-06										
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*46.8*		µg/l		*50.0*		*93.6*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/l		*50.0*		*101*	*70-130*		
LCS (6121175-BS1)										
Prepared & Analyzed: 15-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/l		20.0		110	70-130		
Acetone	20.9		µg/l		20.0		104	32.4-154		
Acrylonitrile	21.4		µg/l		20.0		107	70-130		
Benzene	21.6		µg/l		20.0		108	70-130		
Bromobenzene	21.5		µg/l		20.0		108	70-130		
Bromochloromethane	21.4		µg/l		20.0		107	70-130		
Bromodichloromethane	22.9		µg/l		20.0		114	70-130		
Bromoform	21.8		µg/l		20.0		109	70-130		
Bromomethane	19.4		µg/l		20.0		97.0	57.6-150		
2-Butanone (MEK)	19.6		µg/l		20.0		98.0	46.5-137		
n-Butylbenzene	22.3		µg/l		20.0		112	70-130		
sec-Butylbenzene	21.6		µg/l		20.0		108	70-130		
tert-Butylbenzene	22.2		µg/l		20.0		111	70-130		
Carbon disulfide	19.9		µg/l		20.0		99.5	70-130		
Carbon tetrachloride	19.6		µg/l		20.0		98.0	70-130		
Chlorobenzene	21.2		µg/l		20.0		106	70-130		
Chloroethane	19.9		µg/l		20.0		99.5	57.6-143		
Chloroform	22.0		µg/l		20.0		110	70-130		
Chloromethane	20.9		µg/l		20.0		104	70-130		
2-Chlorotoluene	21.9		µg/l		20.0		110	70-130		
4-Chlorotoluene	22.0		µg/l		20.0		110	70-130		
1,2-Dibromo-3-chloropropane	22.3		µg/l		20.0		112	70-130		
Dibromochloromethane	21.7		µg/l		20.0		108	62.5-139		
1,2-Dibromoethane (EDB)	22.0		µg/l		20.0		110	70-130		
Dibromomethane	21.7		µg/l		20.0		108	70-130		
1,2-Dichlorobenzene	22.9		µg/l		20.0		114	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121175 - SW846 5030 Water MS										
LCS (6121175-BS1)										
Prepared & Analyzed: 15-Dec-06										
1,3-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	22.4		µg/l		20.0		112	70-130		
Dichlorodifluoromethane (Freon12)	20.8		µg/l		20.0		104	34.6-198		
1,1-Dichloroethane	21.7		µg/l		20.0		108	70-130		
1,2-Dichloroethane	22.2		µg/l		20.0		111	70-130		
1,1-Dichloroethene	20.1		µg/l		20.0		100	70-130		
cis-1,2-Dichloroethene	21.9		µg/l		20.0		110	70-130		
trans-1,2-Dichloroethene	20.0		µg/l		20.0		100	70-130		
1,2-Dichloropropane	22.3		µg/l		20.0		112	70-130		
1,3-Dichloropropane	22.1		µg/l		20.0		110	70-130		
2,2-Dichloropropane	16.5		µg/l		20.0		82.5	70-130		
1,1-Dichloropropene	20.7		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	19.0		µg/l		20.0		95.0	70-130		
trans-1,3-Dichloropropene	17.4		µg/l		20.0		87.0	70-130		
Ethylbenzene	21.8		µg/l		20.0		109	70-130		
Hexachlorobutadiene	20.8		µg/l		20.0		104	63.4-142		
2-Hexanone (MBK)	20.0		µg/l		20.0		100	70-130		
Isopropylbenzene	20.6		µg/l		20.0		103	70-130		
4-Isopropyltoluene	23.4		µg/l		20.0		117	70-130		
Methyl tert-butyl ether	21.0		µg/l		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	21.3		µg/l		20.0		106	51-135		
Methylene chloride	21.0		µg/l		20.0		105	70-130		
Naphthalene	23.1		µg/l		20.0		116	70-130		
n-Propylbenzene	21.3		µg/l		20.0		106	70-130		
Styrene	22.3		µg/l		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	21.9		µg/l		20.0		110	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130		
Tetrachloroethene	20.5		µg/l		20.0		102	70-130		
Toluene	20.7		µg/l		20.0		104	70-130		
1,2,3-Trichlorobenzene	22.2		µg/l		20.0		111	70-130		
1,2,4-Trichlorobenzene	21.7		µg/l		20.0		108	70-130		
1,1,1-Trichloroethane	19.4		µg/l		20.0		97.0	70-130		
1,1,2-Trichloroethane	21.8		µg/l		20.0		109	70-130		
Trichloroethene	21.3		µg/l		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	21.4		µg/l		20.0		107	63.2-153		
1,2,3-Trichloropropane	24.1		µg/l		20.0		120	70-130		
1,2,4-Trimethylbenzene	22.5		µg/l		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.4		µg/l		20.0		112	70-130		
Vinyl chloride	22.9		µg/l		20.0		114	70-130		
m,p-Xylene	43.5		µg/l		40.0		109	70-130		
o-Xylene	22.5		µg/l		20.0		112	70-130		
Tetrahydrofuran	21.6		µg/l		20.0		108	70-130		
Ethyl ether	21.3		µg/l		20.0		106	57.2-135		
Tert-amyl methyl ether	21.9		µg/l		20.0		110	70-130		
Ethyl tert-butyl ether	18.7		µg/l		20.0		93.5	70-130		
Di-isopropyl ether	22.2		µg/l		20.0		111	70-130		
Tert-Butanol / butyl alcohol	213		µg/l		200		106	70-130		
1,4-Dioxane	221		µg/l		200		110	41.5-136		
Surrogate: 4-Bromofluorobenzene	*48.3*		µg/l		*50.0*		*96.6*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (6121175-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121175 - SW846 5030 Water MS										
Prepared & Analyzed: 15-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.8		µg/l		20.0		99.0	70-130	10.5	25
Acetone	19.8		µg/l		20.0		99.0	32.4-154	4.93	50
Acrylonitrile	21.0		µg/l		20.0		105	70-130	1.89	25
Benzene	20.1		µg/l		20.0		100	70-130	7.69	25
Bromobenzene	20.0		µg/l		20.0		100	70-130	7.69	25
Bromochloromethane	20.4		µg/l		20.0		102	70-130	4.78	25
Bromodichloromethane	21.7		µg/l		20.0		108	70-130	5.41	25
Bromoform	20.3		µg/l		20.0		102	70-130	6.64	25
Bromomethane	18.6		µg/l		20.0		93.0	57.6-150	4.21	50
2-Butanone (MEK)	20.6		µg/l		20.0		103	46.5-137	4.98	50
n-Butylbenzene	19.1		µg/l		20.0		95.5	70-130	15.9	25
sec-Butylbenzene	19.3		µg/l		20.0		96.5	70-130	11.2	25
tert-Butylbenzene	19.9		µg/l		20.0		99.5	70-130	10.9	25
Carbon disulfide	18.1		µg/l		20.0		90.5	70-130	9.47	25
Carbon tetrachloride	17.9		µg/l		20.0		89.5	70-130	9.07	25
Chlorobenzene	19.2		µg/l		20.0		96.0	70-130	9.90	25
Chloroethane	18.4		µg/l		20.0		92.0	57.6-143	7.83	50
Chloroform	20.7		µg/l		20.0		104	70-130	5.61	25
Chloromethane	19.5		µg/l		20.0		97.5	70-130	6.45	25
2-Chlorotoluene	19.8		µg/l		20.0		99.0	70-130	10.5	25
4-Chlorotoluene	19.8		µg/l		20.0		99.0	70-130	10.5	25
1,2-Dibromo-3-chloropropane	21.5		µg/l		20.0		108	70-130	3.64	25
Dibromochloromethane	21.2		µg/l		20.0		106	62.5-139	1.87	50
1,2-Dibromoethane (EDB)	21.1		µg/l		20.0		106	70-130	3.70	25
Dibromomethane	20.5		µg/l		20.0		102	70-130	5.71	25
1,2-Dichlorobenzene	20.3		µg/l		20.0		102	70-130	11.1	25
1,3-Dichlorobenzene	19.2		µg/l		20.0		96.0	70-130	9.90	25
1,4-Dichlorobenzene	19.7		µg/l		20.0		98.5	70-130	12.8	25
Dichlorodifluoromethane (Freon12)	18.3		µg/l		20.0		91.5	34.6-198	12.8	50
1,1-Dichloroethane	20.2		µg/l		20.0		101	70-130	6.70	25
1,2-Dichloroethane	21.3		µg/l		20.0		106	70-130	4.61	25
1,1-Dichloroethene	18.2		µg/l		20.0		91.0	70-130	9.42	25
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130	8.53	25
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	70-130	8.33	25
1,2-Dichloropropane	21.3		µg/l		20.0		106	70-130	5.50	25
1,3-Dichloropropane	21.0		µg/l		20.0		105	70-130	4.65	25
2,2-Dichloropropane	15.6		µg/l		20.0		78.0	70-130	5.61	25
1,1-Dichloropropene	19.0		µg/l		20.0		95.0	70-130	9.05	25
cis-1,3-Dichloropropene	18.1		µg/l		20.0		90.5	70-130	4.85	25
trans-1,3-Dichloropropene	17.1		µg/l		20.0		85.5	70-130	1.74	25
Ethylbenzene	19.6		µg/l		20.0		98.0	70-130	10.6	25
Hexachlorobutadiene	18.0		µg/l		20.0		90.0	63.4-142	14.4	50
2-Hexanone (MBK)	20.0		µg/l		20.0		100	70-130	0.00	25
Isopropylbenzene	18.5		µg/l		20.0		92.5	70-130	10.7	25
4-Isopropyltoluene	20.2		µg/l		20.0		101	70-130	14.7	25
Methyl tert-butyl ether	21.0		µg/l		20.0		105	70-130	0.00	25
4-Methyl-2-pentanone (MIBK)	20.8		µg/l		20.0		104	51-135	1.90	50
Methylene chloride	19.9		µg/l		20.0		99.5	70-130	5.38	25
Naphthalene	21.6		µg/l		20.0		108	70-130	7.14	25
n-Propylbenzene	19.0		µg/l		20.0		95.0	70-130	10.9	25
Styrene	20.3		µg/l		20.0		102	70-130	9.35	25
1,1,1,2-Tetrachloroethane	20.2		µg/l		20.0		101	70-130	8.53	25
1,1,2,2-Tetrachloroethane	20.0		µg/l		20.0		100	70-130	5.83	25
Tetrachloroethene	18.7		µg/l		20.0		93.5	70-130	8.70	25
Toluene	18.9		µg/l		20.0		94.5	70-130	9.57	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121175 - SW846 5030 Water MS										
LCS Dup (6121175-BSD1)										
Prepared & Analyzed: 15-Dec-06										
1,2,3-Trichlorobenzene	20.5		µg/l		20.0		102	70-130	8.45	25
1,2,4-Trichlorobenzene	19.6		µg/l		20.0		98.0	70-130	9.71	25
1,1,1-Trichloroethane	18.0		µg/l		20.0		90.0	70-130	7.49	25
1,1,2-Trichloroethane	21.2		µg/l		20.0		106	70-130	2.79	25
Trichloroethene	19.8		µg/l		20.0		99.0	70-130	6.83	25
Trichlorofluoromethane (Freon 11)	19.3		µg/l		20.0		96.5	63.2-153	10.3	50
1,2,3-Trichloropropane	22.9		µg/l		20.0		114	70-130	5.13	25
1,2,4-Trimethylbenzene	20.1		µg/l		20.0		100	70-130	11.3	25
1,3,5-Trimethylbenzene	19.7		µg/l		20.0		98.5	70-130	12.8	25
Vinyl chloride	20.4		µg/l		20.0		102	70-130	11.1	25
m,p-Xylene	39.0		µg/l		40.0		97.5	70-130	11.1	25
o-Xylene	20.2		µg/l		20.0		101	70-130	10.3	25
Tetrahydrofuran	22.0		µg/l		20.0		110	70-130	1.83	25
Ethyl ether	20.4		µg/l		20.0		102	57.2-135	3.85	50
Tert-amyl methyl ether	20.6		µg/l		20.0		103	70-130	6.57	25
Ethyl tert-butyl ether	18.4		µg/l		20.0		92.0	70-130	1.62	25
Di-isopropyl ether	21.3		µg/l		20.0		106	70-130	4.61	25
Tert-Butanol / butyl alcohol	214		µg/l		200		107	70-130	0.939	25
1,4-Dioxane	225		µg/l		200		112	41.5-136	1.80	25
Surrogate: 4-Bromofluorobenzene	*48.8*		µg/l		*50.0*		*97.6*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120532 - SW846 3510C										
Blank (6120532-BLK1)										
Prepared & Analyzed: 08-Dec-06										
C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL	U	mg/l	0.2						
Naphthalene	BRL	U	µg/l	1.00						
2-Methylnaphthalene	BRL	U	µg/l	1.00						
Acenaphthylene	BRL	U	µg/l	1.00						
Acenaphthene	BRL	U	µg/l	1.00						
Fluorene	BRL	U	µg/l	1.00						
Phenanthrene	BRL	U	µg/l	1.00						
Anthracene	BRL	U	µg/l	1.00						
Fluoranthene	BRL	U	µg/l	1.00						
Pyrene	BRL	U	µg/l	1.00						
Benzo (a) anthracene	BRL	U	µg/l	1.00						
Chrysene	BRL	U	µg/l	1.00						
Benzo (b) fluoranthene	BRL	U	µg/l	1.00						
Benzo (k) fluoranthene	BRL	U	µg/l	1.00						
Benzo (a) pyrene	BRL	U	µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500						
Benzo (g,h,i) perylene	BRL	U	µg/l	1.00						
n-Hexadecane	0.00	U	µg/l							
n-Tetradecane	0.00	U	µg/l							
n-Eicosane	0.00	U	µg/l							
n-Nonadecane	0.00	U	µg/l							
n-Octacosane	0.00	U	µg/l							
Naphthalene (aliphatic fraction)	0.00	U	µg/l							
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l							
Surrogate: 1-Chlorooctadecane	*26.7*		µg/l		*56.2*		*47.5*	*40-140*		
Surrogate: Ortho-Terphenyl	*33.4*		µg/l		*56.2*		*59.4*	*40-140*		
Surrogate: 2-Bromonaphthalene	*40.5*		µg/l		*44.9*		*90.2*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*41.3*		µg/l		*44.9*		*92.0*	*40-140*		
LCS (6120532-BS1)										
Prepared & Analyzed: 08-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.404		mg/l	0.2	0.674		59.9	40-140		
C19-C36 Aliphatic Hydrocarbons	0.617		mg/l	0.2	0.899		68.6	40-140		
C11-C22 Aromatic Hydrocarbons	1.66		mg/l	0.2	1.91		86.9	40-140		
Naphthalene	62.2		µg/l	1.00	112		55.5	40-140		
2-Methylnaphthalene	68.0		µg/l	1.00	112		60.7	40-140		
Acenaphthylene	75.1		µg/l	1.00	112		67.1	40-140		
Acenaphthene	75.8		µg/l	1.00	112		67.7	40-140		
Fluorene	80.6		µg/l	1.00	112		72.0	40-140		
Phenanthrene	81.6		µg/l	1.00	112		72.9	40-140		
Anthracene	84.8		µg/l	1.00	112		75.7	40-140		
Fluoranthene	88.6		µg/l	1.00	112		79.1	40-140		
Pyrene	89.4		µg/l	1.00	112		79.8	40-140		
Benzo (a) anthracene	75.5		µg/l	1.00	112		67.4	40-140		
Chrysene	79.3		µg/l	1.00	112		70.8	40-140		
Benzo (b) fluoranthene	63.1		µg/l	1.00	112		56.3	40-140		
Benzo (k) fluoranthene	85.7		µg/l	1.00	112		76.5	40-140		
Benzo (a) pyrene	78.0		µg/l	0.200	112		69.6	40-140		
Indeno (1,2,3-cd) pyrene	91.7		µg/l	0.500	112		81.9	40-140		
Dibenzo (a,h) anthracene	88.6		µg/l	0.500	112		79.1	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120532 - SW846 3510C										
LCS (6120532-BS1)										
Prepared & Analyzed: 08-Dec-06										
Benzo (g,h,i) perylene	93.5		µg/l	1.00	112		83.5	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		112			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		112			0-200		
Surrogate: 1-Chlorooctadecane	*36.5*		µg/l		*56.2*		*64.9*	*40-140*		
Surrogate: Ortho-Terphenyl	*34.6*		µg/l		*56.2*		*61.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*33.9*		µg/l		*44.9*		*75.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*42.0*		µg/l		*44.9*		*93.5*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Fractionation Check Standard (612										
Prepared & Analyzed: 08-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.389		mg/l	0.2	0.600		64.8	40-140		
C19-C36 Aliphatic Hydrocarbons	0.552		mg/l	0.2	0.800		69.0	40-140		
C11-C22 Aromatic Hydrocarbons	1.48		mg/l	0.2	1.70		87.1	40-140		
Naphthalene	64.8		µg/l	1.00	100		64.8	40-140		
2-Methylnaphthalene	66.8		µg/l	1.00	100		66.8	40-140		
Acenaphthylene	70.2		µg/l	1.00	100		70.2	40-140		
Acenaphthene	71.6		µg/l	1.00	100		71.6	40-140		
Fluorene	74.2		µg/l	1.00	100		74.2	40-140		
Phenanthrene	75.1		µg/l	1.00	100		75.1	40-140		
Anthracene	76.7		µg/l	1.00	100		76.7	40-140		
Fluoranthene	78.1		µg/l	1.00	100		78.1	40-140		
Pyrene	79.1		µg/l	1.00	100		79.1	40-140		
Benzo (a) anthracene	68.9		µg/l	1.00	100		68.9	40-140		
Chrysene	72.8		µg/l	1.00	100		72.8	40-140		
Benzo (b) fluoranthene	64.0		µg/l	1.00	100		64.0	40-140		
Benzo (k) fluoranthene	71.4		µg/l	1.00	100		71.4	40-140		
Benzo (a) pyrene	69.7		µg/l	0.200	100		69.7	40-140		
Indeno (1,2,3-cd) pyrene	79.8		µg/l	0.500	100		79.8	40-140		
Dibenzo (a,h) anthracene	75.5		µg/l	0.500	100		75.5	40-140		
Benzo (g,h,i) perylene	80.3		µg/l	1.00	100		80.3	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*29.0*		µg/l		*50.0*		*58.0*	*40-140*		
Surrogate: Ortho-Terphenyl	*35.7*		µg/l		*50.0*		*71.4*	*40-140*		
Surrogate: 2-Bromonaphthalene	*29.9*		µg/l		*40.0*		*74.8*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*32.7*		µg/l		*40.0*		*81.8*	*40-140*		
LCS Dup (6120532-BSD1)										
Prepared & Analyzed: 08-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.447		mg/l	0.2	0.652		68.6	40-140	13.5	25
C19-C36 Aliphatic Hydrocarbons	0.682		mg/l	0.2	0.870		78.4	40-140	13.3	25
C11-C22 Aromatic Hydrocarbons	1.77		mg/l	0.2	1.85		95.7	40-140	9.64	25
Naphthalene	73.8		µg/l	1.00	109		67.7	40-140	19.8	20
2-Methylnaphthalene	77.6		µg/l	1.00	109		71.2	40-140	15.9	20
Acenaphthylene	82.0		µg/l	1.00	109		75.2	40-140	11.4	20
Acenaphthene	86.2		µg/l	1.00	109		79.1	40-140	15.5	20
Fluorene	89.6		µg/l	1.00	109		82.2	40-140	13.2	20
Phenanthrene	87.8		µg/l	1.00	109		80.6	40-140	10.0	20
Anthracene	89.5		µg/l	1.00	109		82.1	40-140	8.11	20
Fluoranthene	91.3		µg/l	1.00	109		83.8	40-140	5.77	20
Pyrene	91.3		µg/l	1.00	109		83.8	40-140	4.89	20
Benzo (a) anthracene	79.1		µg/l	1.00	109		72.6	40-140	7.43	20
Chrysene	83.9		µg/l	1.00	109		77.0	40-140	8.39	20

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120532 - SW846 3510C										
LCS Dup (6120532-BSD1)										
Prepared & Analyzed: 08-Dec-06										
Benzo (b) fluoranthene	72.6		µg/l	1.00	109		66.6	40-140	16.8	20
Benzo (k) fluoranthene	79.0		µg/l	1.00	109		72.5	40-140	5.37	20
Benzo (a) pyrene	76.9		µg/l	0.200	109		70.6	40-140	1.43	20
Indeno (1,2,3-cd) pyrene	90.3		µg/l	0.500	109		82.8	40-140	1.09	20
Dibenzo (a,h) anthracene	89.4		µg/l	0.500	109		82.0	40-140	3.60	20
Benzo (g,h,i) perylene	90.1		µg/l	1.00	109		82.7	40-140	0.963	20
Naphthalene (aliphatic fraction)	0.00	U	µg/l		109			0-200		200
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		109			0-200		200
Surrogate: 1-Chlorooctadecane	*39.4*		µg/l		*54.3*		*72.6*	*40-140*		
Surrogate: Ortho-Terphenyl	*37.7*		µg/l		*54.3*		*69.4*	*40-140*		
Surrogate: 2-Bromonaphthalene	*41.1*		µg/l		*43.5*		*94.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*43.8*		µg/l		*43.5*		*101*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0612067				
Calibration Check (0612067-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.65638E+08	1.58333E+08	-4.33	25.00
C19-C36 Aliphatic Hydrocarbons	1.25992E+08	1.06415E+08	-6.00	25.00
C11-C22 Aromatic Hydrocarbons	28.6471	16.9297	11.8	25.00
Naphthalene	5.36757	6.34064	18.1	20.00
2-Methylnaphthalene	3.40497	3.91293	14.9	20.00
Acenaphthylene	5.56673	6.41735	15.3	20.00
Acenaphthene	3.51029	3.96553	13.0	20.00
Fluorene	3.96959	4.35763	9.78	20.00
Phenanthrene	5.65204	5.80132	2.64	20.00
Anthracene	5.77917	5.954	3.03	20.00
Fluoranthene	6.13739	6.43233	4.81	20.00
Pyrene	6.29603	6.68842	6.23	20.00
Benzo (a) anthracene	5.60982	5.30954	-5.35	20.00
Chrysene	5.67902	5.39196	-5.05	20.00
Benzo (b) fluoranthene	5.44401	4.61323	-15.3	20.00
Benzo (k) fluoranthene	5.18701	5.45099	5.09	20.00
Benzo (a) pyrene	4.77194	4.76518	-0.142	20.00
Indeno (1,2,3-cd) pyrene	4.95015	5.93524	19.9	20.00
Dibenzo (a,h) anthracene	4.20788	4.87111	15.8	20.00
Benzo (g,h,i) perylene	4.22539	5.00317	18.4	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0612086				
Calibration Check (0612086-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.65638E+08	1.70216E+08	2.83	25.00
C19-C36 Aliphatic Hydrocarbons	1.25992E+08	1.15557E+08	2.12	25.00
C11-C22 Aromatic Hydrocarbons	28.6471	17.5828	17.1	25.00
Naphthalene	5.36757	6.32312	17.8	20.00
2-Methylnaphthalene	3.40497	3.85534	13.2	20.00
Acenaphthylene	5.56673	6.3445	14.0	20.00
Acenaphthene	3.51029	3.99219	13.7	20.00
Fluorene	3.96959	4.36271	9.90	20.00
Phenanthrene	5.65204	5.69456	0.752	20.00
Anthracene	5.77917	5.64091	-2.39	20.00
Fluoranthene	6.13739	6.5192	6.22	20.00
Pyrene	6.29603	6.6578	5.75	20.00
Benzo (a) anthracene	5.60982	5.66571	0.996	20.00
Chrysene	5.67902	5.76783	1.56	20.00
Benzo (b) fluoranthene	5.44401	5.25089	-3.55	20.00
Benzo (k) fluoranthene	5.18701	6.04244	16.5	20.00
Benzo (a) pyrene	4.77194	5.09095	6.69	20.00
Indeno (1,2,3-cd) pyrene	4.95015	5.746	16.1	20.00
Dibenzo (a,h) anthracene	4.20788	4.79147	13.9	20.00
Benzo (g,h,i) perylene	4.22539	4.77576	13.0	20.00

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Christopher Hall

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA55222					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 12/15/2006

SA 55222 EM

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material	Preservative	Media	Method	Fraction
55222-01 417	12/5/2006	11:40	MW-6R	2						
				2	1	Liter Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T
02 431	12/6/2006	9:56	MW-112A	2						
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
03 440	12/6/2006	10:15	TB-501	2						
				2	40	mL Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T

SDG Number: ~~S013~~ Start Date: 12/07/06 End Date: N/A

* Extra Metals = Barium, Iron and Maganese .

Relinquished: ~~Date:~~ 12/07/06 Time: 1100

Received: Date: 12/07/06 Time: 11:00

12/07/06 14:45 12/7/06 1845

4 cooler Ice

Report Date:
20-Dec-06 09:40

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA55424-01	MW-101C	Ground Water	07-Dec-06 15:03	08-Dec-06 13:37
SA55424-02	TB-502	Ground Water	08-Dec-06 07:00	08-Dec-06 13:37
SA55424-03	CB-8-CASING	Ground Water	07-Dec-06 13:00	08-Dec-06 13:37
SA55424-04	CB-8-BOW	Ground Water	07-Dec-06 12:30	08-Dec-06 13:37
SA55424-05	CB-8-TOW	Ground Water	07-Dec-06 12:15	08-Dec-06 13:37

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 28 pages of analytical data plus Chain of Custody document(s).

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The data set for work order SA55424 complies with internal QC criteria for the methods performed. The samples were received @ 4.6 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA55424-01	[none]	Ground Water	07-Dec-06 15:03	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	4,890	E	µg/l	100	25.6	10	SW 846 8260B	15-Dec-06	16-Dec-06	6121208	mar
107-13-1	Acrylonitrile	BRL	U	µg/l	10.0	7.6	10	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	10.0	5.7	10	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	10.0	6.6	10	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	10.0	9.2	10	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	10.0	9.2	10	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	10.0	4.4	10	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	20.0	16.5	10	"	"	"	"	"
78-93-3	2-Butanone (MEK)	35.1	J	µg/l	100	24.3	10	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	10.0	6.2	10	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	10.0	5.6	10	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	10.0	6.4	10	"	"	"	"	"
75-15-0	Carbon disulfide	5.1	J	µg/l	50.0	3.3	10	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	10.0	5.8	10	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	10.0	5.2	10	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	20.0	7.1	10	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	10.0	8.0	10	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	20.0	5.6	10	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	10.0	6.9	10	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	10.0	6.4	10	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	20.0	6.4	10	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	10.0	4.1	10	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	5.0	3.5	10	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	10.0	6.3	10	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	10.0	5.4	10	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	10.0	5.7	10	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	10.0	4.5	10	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	20.0	5.8	10	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	10.0	3.3	10	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	10.0	4.2	10	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	10.0	5.9	10	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	10.0	3.9	10	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	10.0	9.3	10	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	10.0	4.4	10	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	10.0	5.1	10	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	10.0	5.5	10	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	5.0	3.9	10	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	5.0	4.3	10	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	5.0	3.6	10	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	10.0	2.8	10	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	6.0	3.5	10	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	100	5.3	10	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	10.0	3.9	10	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	10.0	5.1	10	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	10.0	2.6	10	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	100	4.2	10	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	100	5.8	10	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	10.0	6.6	10	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	10.0	5.7	10	"	"	"	"	"
100-42-5	Styrene	BRL	U	µg/l	10.0	3.8	10	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA55424-01	[none]	Ground Water	07-Dec-06 15:03	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	10.0	7.4	10	SW 846 8260B	15-Dec-06	16-Dec-06	6121208	mar
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	10.0	7.4	10	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	10.0	5.1	10	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	10.0	6.4	10	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	10.0	7.4	10	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	10.0	7.1	10	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	10.0	5.3	10	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	10.0	9.3	10	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	10.0	4.6	10	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	10.0	4.8	10	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	10.0	4.8	10	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	10.0	6.6	10	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	10.0	5.4	10	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	10.0	8.6	10	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	20.0	6.8	10	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	10.0	5.3	10	"	"	"	"	"
109-99-9	Tetrahydrofuran	212		µg/l	100	4.1	10	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	10.0	3.7	10	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	10.0	3.8	10	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	10.0	2.7	10	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	10.0	3.0	10	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	100	74.1	10	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	200	48.7	10	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99.3*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.7*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*				"	"	"	"	"
Tentatively Identified Compounds by SW846 8260B												
Prepared by method SW846 5030 Water MS												
	Tentatively Identified Compounds	None found	U	µg/l			10	SW846 8260B	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	0.0310	J	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	15-Dec-06	15-Dec-06	6121224	EQ
	C9-C12 Aliphatic Hydrocarbons	0.00866	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	0.0310	J	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	0.0136	J	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA55424-01	[none]	Ground Water	07-Dec-06 15:03	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*107*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	15-Dec-06	15-Dec-06	6121224	EQ
615-59-8	*2,5-Dibromotoluene (PID)*	*100*		*70-130 %*				"	"	"	"	"
Volatile Organic Compounds										**SA55424-01RE1**		
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	3,570		µg/l	500	128	50	SW 846 8260B	17-Dec-06	18-Dec-06	6121315	mar
107-13-1	Acrylonitrile	BRL	U	µg/l	50.0	38.0	50	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	50.0	28.5	50	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	50.0	33.0	50	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	50.0	46.0	50	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	50.0	46.0	50	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	50.0	22.0	50	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	100	82.5	50	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	500	122	50	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	50.0	31.0	50	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	50.0	28.0	50	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	50.0	32.0	50	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	250	16.5	50	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	50.0	29.0	50	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	50.0	26.0	50	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	100	35.5	50	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	50.0	40.0	50	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	100	28.0	50	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	50.0	34.5	50	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	50.0	32.0	50	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	100	32.0	50	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	50.0	20.5	50	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	25.0	17.5	50	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	50.0	31.5	50	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	50.0	27.0	50	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	50.0	28.5	50	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	50.0	22.5	50	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	100	29.0	50	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	50.0	16.5	50	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	50.0	21.0	50	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	50.0	29.5	50	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	50.0	19.5	50	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	50.0	46.5	50	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	50.0	22.0	50	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	50.0	25.5	50	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	50.0	27.5	50	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	25.0	19.5	50	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	25.0	21.5	50	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	25.0	18.0	50	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	50.0	14.0	50	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	30.0	17.5	50	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	500	26.5	50	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	50.0	19.5	50	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	50.0	25.5	50	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101C SA55424-01	[none]	Ground Water	07-Dec-06 15:03	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds										SA55424-01RE1		
Prepared by method SW846 5030 Water MS												
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	50.0	13.0	50	SW 846 8260B	17-Dec-06	18-Dec-06	6121315	mar
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	500	21.0	50	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	500	29.0	50	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	50.0	33.0	50	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	50.0	28.5	50	"	"	"	"	"
100-42-5	Styrene	BRL	U	µg/l	50.0	19.0	50	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	50.0	37.0	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	50.0	37.0	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	50.0	25.5	50	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	50.0	32.0	50	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	50.0	37.0	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	50.0	35.5	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	50.0	26.5	50	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	50.0	46.5	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	50.0	23.0	50	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	50.0	24.0	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	50.0	24.0	50	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	50.0	33.0	50	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	50.0	27.0	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	50.0	43.0	50	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	100	34.0	50	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	50.0	26.5	50	"	"	"	"	"
109-99-9	Tetrahydrofuran	172	J	µg/l	500	20.5	50	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	50.0	18.5	50	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	50.0	19.0	50	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	50.0	13.5	50	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	50.0	15.0	50	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	500	370	50	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	1000	244	50	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.3*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*98.0*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-502 SA55424-02	[none]	Ground Water	08-Dec-06 07:00	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	SW 846 8260B	15-Dec-06	16-Dec-06	6121208	mar
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-502 SA55424-02	[none]	Ground Water	08-Dec-06 07:00	08-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	SW 846 8260B	15-Dec-06	16-Dec-06	6121208	mar
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	15-Dec-06	15-Dec-06	6121224	EQ
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*117*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*108*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-8-CASING SA55424-03	[none]	Ground Water	07-Dec-06 13:00	08-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Organic Compounds by Modified SW846 8015												
Glycol Analysis												
Prepared by method SW846 8015 Mod.												
111-46-6	Diethylene glycol	BRL	U	mg/l	10.0	10.0	1	+SW846 8015 Mod	19-Dec-06	19-Dec-06	6121431	JD
107-21-1	Ethylene glycol	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"
111-76-2	Ethylene glycol monobutyl ether	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-8-BOW SA55424-04	[none]	Ground Water	07-Dec-06 12:30	08-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Organic Compounds by Modified SW846 8015												
Glycol Analysis												
Prepared by method SW846 8015 Mod.												
111-46-6	Diethylene glycol	BRL	U	mg/l	10.0	10.0	1	+SW846 8015 Mod	19-Dec-06	19-Dec-06	6121431	JD
107-21-1	Ethylene glycol	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"
111-76-2	Ethylene glycol monobutyl ether	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-8-TOW SA55424-05	[none]	Ground Water	07-Dec-06 12:15	08-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Organic Compounds by Modified SW846 8015												
Glycol Analysis												
Prepared by method SW846 8015 Mod.												
111-46-6	Diethylene glycol	BRL	U	mg/l	10.0	10.0	1	+SW846 8015 Mod	19-Dec-06	19-Dec-06	6121431	JD
107-21-1	Ethylene glycol	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"
111-76-2	Ethylene glycol monobutyl ether	BRL	U	mg/l	10.0	10.0	1	"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121208 - SW846 5030 Water MS										
Blank (6121208-BLK1)										
Prepared & Analyzed: 15-Dec-06										
Tentatively Identified Compounds	0.0	U	µg/l							
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121208 - SW846 5030 Water MS										
Blank (6121208-BLK1)										
Prepared & Analyzed: 15-Dec-06										
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.4*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*31.7*		µg/l		*30.0*		*106*	*70-130*		
LCS (6121208-BS1)										
Prepared & Analyzed: 15-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.3		µg/l		20.0		91.5	70-130		
Acetone	17.3		µg/l		20.0		86.5	32.4-154		
Acrylonitrile	17.6		µg/l		20.0		88.0	70-130		
Benzene	18.8		µg/l		20.0		94.0	70-130		
Bromobenzene	21.6		µg/l		20.0		108	70-130		
Bromochloromethane	20.7		µg/l		20.0		104	70-130		
Bromodichloromethane	20.9		µg/l		20.0		104	70-130		
Bromoform	22.4		µg/l		20.0		112	70-130		
Bromomethane	15.9		µg/l		20.0		79.5	57.6-150		
2-Butanone (MEK)	18.6		µg/l		20.0		93.0	46.5-137		
n-Butylbenzene	18.0		µg/l		20.0		90.0	70-130		
sec-Butylbenzene	20.0		µg/l		20.0		100	70-130		
tert-Butylbenzene	20.7		µg/l		20.0		104	70-130		
Carbon disulfide	16.9		µg/l		20.0		84.5	70-130		
Carbon tetrachloride	18.3		µg/l		20.0		91.5	70-130		
Chlorobenzene	20.0		µg/l		20.0		100	70-130		
Chloroethane	16.8		µg/l		20.0		84.0	57.6-143		
Chloroform	19.3		µg/l		20.0		96.5	70-130		
Chloromethane	15.2		µg/l		20.0		76.0	70-130		
2-Chlorotoluene	19.8		µg/l		20.0		99.0	70-130		
4-Chlorotoluene	20.6		µg/l		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	20.7		µg/l		20.0		104	70-130		
Dibromochloromethane	22.5		µg/l		20.0		112	62.5-139		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121208 - SW846 5030 Water MS										
LCS (6121208-BS1)										
Prepared & Analyzed: 15-Dec-06										
1,2-Dibromoethane (EDB)	20.8		µg/l		20.0		104	70-130		
Dibromomethane	19.6		µg/l		20.0		98.0	70-130		
1,2-Dichlorobenzene	20.1		µg/l		20.0		100	70-130		
1,3-Dichlorobenzene	22.2		µg/l		20.0		111	70-130		
1,4-Dichlorobenzene	19.0		µg/l		20.0		95.0	70-130		
Dichlorodifluoromethane (Freon12)	17.5		µg/l		20.0		87.5	34.6-198		
1,1-Dichloroethane	18.0		µg/l		20.0		90.0	70-130		
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130		
1,1-Dichloroethene	16.8		µg/l		20.0		84.0	70-130		
cis-1,2-Dichloroethene	19.2		µg/l		20.0		96.0	70-130		
trans-1,2-Dichloroethene	17.3		µg/l		20.0		86.5	70-130		
1,2-Dichloropropane	18.6		µg/l		20.0		93.0	70-130		
1,3-Dichloropropane	19.6		µg/l		20.0		98.0	70-130		
2,2-Dichloropropane	19.0		µg/l		20.0		95.0	70-130		
1,1-Dichloropropene	17.5		µg/l		20.0		87.5	70-130		
cis-1,3-Dichloropropene	21.7		µg/l		20.0		108	70-130		
trans-1,3-Dichloropropene	20.0		µg/l		20.0		100	70-130		
Ethylbenzene	19.6		µg/l		20.0		98.0	70-130		
Hexachlorobutadiene	18.9		µg/l		20.0		94.5	63.4-142		
2-Hexanone (MBK)	19.2		µg/l		20.0		96.0	70-130		
Isopropylbenzene	18.9		µg/l		20.0		94.5	70-130		
4-Isopropyltoluene	19.0		µg/l		20.0		95.0	70-130		
Methyl tert-butyl ether	19.2		µg/l		20.0		96.0	70-130		
4-Methyl-2-pentanone (MIBK)	19.6		µg/l		20.0		98.0	51-135		
Methylene chloride	17.8		µg/l		20.0		89.0	70-130		
Naphthalene	20.5		µg/l		20.0		102	70-130		
n-Propylbenzene	19.7		µg/l		20.0		98.5	70-130		
Styrene	21.2		µg/l		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	21.9		µg/l		20.0		110	70-130		
1,1,2,2-Tetrachloroethane	23.7		µg/l		20.0		118	70-130		
Tetrachloroethene	18.9		µg/l		20.0		94.5	70-130		
Toluene	18.5		µg/l		20.0		92.5	70-130		
1,2,3-Trichlorobenzene	20.7		µg/l		20.0		104	70-130		
1,2,4-Trichlorobenzene	20.0		µg/l		20.0		100	70-130		
1,1,1-Trichloroethane	18.9		µg/l		20.0		94.5	70-130		
1,1,2-Trichloroethane	20.6		µg/l		20.0		103	70-130		
Trichloroethene	17.7		µg/l		20.0		88.5	70-130		
Trichlorofluoromethane (Freon 11)	17.6		µg/l		20.0		88.0	63.2-153		
1,2,3-Trichloropropane	22.4		µg/l		20.0		112	70-130		
1,2,4-Trimethylbenzene	21.5		µg/l		20.0		108	70-130		
1,3,5-Trimethylbenzene	20.8		µg/l		20.0		104	70-130		
Vinyl chloride	22.0		µg/l		20.0		110	70-130		
m,p-Xylene	40.3		µg/l		40.0		101	70-130		
o-Xylene	21.2		µg/l		20.0		106	70-130		
Tetrahydrofuran	18.8		µg/l		20.0		94.0	70-130		
Ethyl ether	18.7		µg/l		20.0		93.5	57.2-135		
Tert-amyl methyl ether	19.4		µg/l		20.0		97.0	70-130		
Ethyl tert-butyl ether	18.6		µg/l		20.0		93.0	70-130		
Di-isopropyl ether	17.2		µg/l		20.0		86.0	70-130		
Tert-Butanol / butyl alcohol	205		µg/l		200		102	70-130		
1,4-Dioxane	214		µg/l		200		107	41.5-136		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/l		*30.0*		*102*	*70-130*		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121208 - SW846 5030 Water MS										
LCS (6121208-BS1)										
Prepared & Analyzed: 15-Dec-06										
Surrogate: 1,2-Dichloroethane-d4	*31.1*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*31.4*		µg/l		*30.0*		*105*	*70-130*		
LCS Dup (6121208-BSD1)										
Prepared & Analyzed: 15-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/l		20.0		99.5	70-130	8.38	25
Acetone	19.5		µg/l		20.0		97.5	32.4-154	12.0	50
Acrylonitrile	18.8		µg/l		20.0		94.0	70-130	6.59	25
Benzene	18.3		µg/l		20.0		91.5	70-130	2.70	25
Bromobenzene	22.1		µg/l		20.0		110	70-130	1.83	25
Bromochloromethane	20.4		µg/l		20.0		102	70-130	1.94	25
Bromodichloromethane	21.2		µg/l		20.0		106	70-130	1.90	25
Bromoform	23.1		µg/l		20.0		116	70-130	3.51	25
Bromomethane	16.5		µg/l		20.0		82.5	57.6-150	3.70	50
2-Butanone (MEK)	18.7		µg/l		20.0		93.5	46.5-137	0.536	50
n-Butylbenzene	18.4		µg/l		20.0		92.0	70-130	2.20	25
sec-Butylbenzene	20.8		µg/l		20.0		104	70-130	3.92	25
tert-Butylbenzene	21.7		µg/l		20.0		108	70-130	3.77	25
Carbon disulfide	17.7		µg/l		20.0		88.5	70-130	4.62	25
Carbon tetrachloride	19.5		µg/l		20.0		97.5	70-130	6.35	25
Chlorobenzene	20.7		µg/l		20.0		104	70-130	3.92	25
Chloroethane	17.6		µg/l		20.0		88.0	57.6-143	4.65	50
Chloroform	19.7		µg/l		20.0		98.5	70-130	2.05	25
Chloromethane	16.1		µg/l		20.0		80.5	70-130	5.75	25
2-Chlorotoluene	20.2		µg/l		20.0		101	70-130	2.00	25
4-Chlorotoluene	21.6		µg/l		20.0		108	70-130	4.74	25
1,2-Dibromo-3-chloropropane	20.0		µg/l		20.0		100	70-130	3.92	25
Dibromochloromethane	22.9		µg/l		20.0		114	62.5-139	1.77	50
1,2-Dibromoethane (EDB)	21.2		µg/l		20.0		106	70-130	1.90	25
Dibromomethane	20.2		µg/l		20.0		101	70-130	3.02	25
1,2-Dichlorobenzene	19.9		µg/l		20.0		99.5	70-130	0.501	25
1,3-Dichlorobenzene	22.3		µg/l		20.0		112	70-130	0.897	25
1,4-Dichlorobenzene	19.3		µg/l		20.0		96.5	70-130	1.57	25
Dichlorodifluoromethane (Freon12)	18.5		µg/l		20.0		92.5	34.6-198	5.56	50
1,1-Dichloroethane	18.2		µg/l		20.0		91.0	70-130	1.10	25
1,2-Dichloroethane	20.4		µg/l		20.0		102	70-130	0.985	25
1,1-Dichloroethene	17.8		µg/l		20.0		89.0	70-130	5.78	25
cis-1,2-Dichloroethene	19.4		µg/l		20.0		97.0	70-130	1.04	25
trans-1,2-Dichloroethene	18.6		µg/l		20.0		93.0	70-130	7.24	25
1,2-Dichloropropane	19.1		µg/l		20.0		95.5	70-130	2.65	25
1,3-Dichloropropane	20.4		µg/l		20.0		102	70-130	4.00	25
2,2-Dichloropropane	20.1		µg/l		20.0		100	70-130	5.13	25
1,1-Dichloropropene	18.1		µg/l		20.0		90.5	70-130	3.37	25
cis-1,3-Dichloropropene	21.4		µg/l		20.0		107	70-130	0.930	25
trans-1,3-Dichloropropene	20.5		µg/l		20.0		102	70-130	1.98	25
Ethylbenzene	20.4		µg/l		20.0		102	70-130	4.00	25
Hexachlorobutadiene	18.4		µg/l		20.0		92.0	63.4-142	2.68	50
2-Hexanone (MBK)	20.6		µg/l		20.0		103	70-130	7.04	25
Isopropylbenzene	19.6		µg/l		20.0		98.0	70-130	3.64	25
4-Isopropyltoluene	19.4		µg/l		20.0		97.0	70-130	2.08	25
Methyl tert-butyl ether	18.9		µg/l		20.0		94.5	70-130	1.57	25
4-Methyl-2-pentanone (MIBK)	20.1		µg/l		20.0		100	51-135	2.02	50
Methylene chloride	18.0		µg/l		20.0		90.0	70-130	1.12	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121208 - SW846 5030 Water MS										
LCS Dup (6121208-BSD1)										
Prepared & Analyzed: 15-Dec-06										
Naphthalene	21.1		µg/l		20.0		106	70-130	3.85	25
n-Propylbenzene	20.5		µg/l		20.0		102	70-130	3.49	25
Styrene	22.0		µg/l		20.0		110	70-130	3.70	25
1,1,1,2-Tetrachloroethane	22.7		µg/l		20.0		114	70-130	3.57	25
1,1,2,2-Tetrachloroethane	23.5		µg/l		20.0		118	70-130	0.00	25
Tetrachloroethene	19.4		µg/l		20.0		97.0	70-130	2.61	25
Toluene	19.4		µg/l		20.0		97.0	70-130	4.75	25
1,2,3-Trichlorobenzene	20.4		µg/l		20.0		102	70-130	1.94	25
1,2,4-Trichlorobenzene	19.8		µg/l		20.0		99.0	70-130	1.01	25
1,1,1-Trichloroethane	19.6		µg/l		20.0		98.0	70-130	3.64	25
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	70-130	1.92	25
Trichloroethene	18.2		µg/l		20.0		91.0	70-130	2.79	25
Trichlorofluoromethane (Freon 11)	19.1		µg/l		20.0		95.5	63.2-153	8.17	50
1,2,3-Trichloropropane	22.9		µg/l		20.0		114	70-130	1.77	25
1,2,4-Trimethylbenzene	22.3		µg/l		20.0		112	70-130	3.64	25
1,3,5-Trimethylbenzene	21.3		µg/l		20.0		106	70-130	1.90	25
Vinyl chloride	23.0		µg/l		20.0		115	70-130	4.44	25
m,p-Xylene	41.6		µg/l		40.0		104	70-130	2.93	25
o-Xylene	21.9		µg/l		20.0		110	70-130	3.70	25
Tetrahydrofuran	18.6		µg/l		20.0		93.0	70-130	1.07	25
Ethyl ether	18.3		µg/l		20.0		91.5	57.2-135	2.16	50
Tert-amyl methyl ether	19.8		µg/l		20.0		99.0	70-130	2.04	25
Ethyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130	2.13	25
Di-isopropyl ether	17.5		µg/l		20.0		87.5	70-130	1.73	25
Tert-Butanol / butyl alcohol	183		µg/l		200		91.5	70-130	10.9	25
1,4-Dioxane	195		µg/l		200		97.5	41.5-136	9.29	25
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.9*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*31.7*		µg/l		*30.0*		*106*	*70-130*		
Matrix Spike (6121208-MS1)	**Source: SA55122-01**									
Prepared & Analyzed: 15-Dec-06										
Benzene	17.2		µg/l		20.0	BRL	86.0	70-130		
Chlorobenzene	21.2		µg/l		20.0	BRL	106	70-130		
1,1-Dichloroethene	21.4		µg/l		20.0	5.56	79.2	70-130		
Toluene	19.0		µg/l		20.0	BRL	95.0	70-130		
Trichloroethene	139		µg/l		20.0	121	90.0	70-130		
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.4*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*31.4*		µg/l		*30.0*		*105*	*70-130*		
Matrix Spike Dup (6121208-MSD1)	**Source: SA55122-01**									
Prepared & Analyzed: 15-Dec-06										
Benzene	19.0		µg/l		20.0	BRL	95.0	70-130	9.94	30
Chlorobenzene	21.8		µg/l		20.0	BRL	109	70-130	2.79	30
1,1-Dichloroethene	25.3		µg/l		20.0	5.56	98.7	70-130	21.9	30
Toluene	20.6		µg/l		20.0	BRL	103	70-130	8.08	30
Trichloroethene	150	QM7	µg/l		20.0	121	145	70-130	46.8	30
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*32.8*		µg/l		*30.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.2*		µg/l		*30.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*33.4*		µg/l		*30.0*		*111*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121224 - VPH										
Blank (6121224-BLK1)										
Prepared & Analyzed: 15-Dec-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
LCS (6121224-BS1)										
Prepared & Analyzed: 15-Dec-06										
C5-C8 Aliphatic Hydrocarbons	107		mg/l		140		76.4	70-130		
C9-C12 Aliphatic Hydrocarbons	62.7		mg/l		55.2		114	70-130		
C9-C10 Aromatic Hydrocarbons	35.7		mg/l		40.0		89.2	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	242		mg/l		280		86.4	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	98.4		mg/l		84.8		116	70-130		
Benzene	19.3		µg/l		20.0		96.5	70-130		
Ethylbenzene	19.1		µg/l		20.0		95.5	70-130		
Methyl tert-butyl ether	19.9		µg/l		20.0		99.5	70-130		
Naphthalene	21.9		µg/l		20.0		110	70-130		
Toluene	19.1		µg/l		20.0		95.5	70-130		
m,p-Xylene	38.2		µg/l		40.0		95.5	70-130		
o-Xylene	19.3		µg/l		20.0		96.5	70-130		
2-Methylpentane	21.4		µg/l		20.0		107	70-130		
n-Nonane	21.8		µg/l		20.0		109	70-130		
n-Pentane	19.0		µg/l		20.0		95.0	70-130		
1,2,4-Trimethylbenzene	20.0		µg/l		20.0		100	70-130		
2,2,4-Trimethylpentane	21.0		µg/l		20.0		105	70-130		
n-Butylcyclohexane	23.1		µg/l		20.0		116	70-130		
n-Decane	22.9		µg/l		20.0		114	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*56.5*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*50.6*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (6121224-BSD1)										
Prepared & Analyzed: 15-Dec-06										
C5-C8 Aliphatic Hydrocarbons	105		mg/l		140		75.0	70-130	1.85	25
C9-C12 Aliphatic Hydrocarbons	55.5		mg/l		55.2		101	70-130	12.1	25
C9-C10 Aromatic Hydrocarbons	32.0		mg/l		40.0		80.0	70-130	10.9	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	235		mg/l		280		83.9	70-130	2.94	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	87.5		mg/l		84.8		103	70-130	11.9	25
Benzene	18.7		µg/l		20.0		93.5	70-130	3.16	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121224 - VPH										
LCS Dup (6121224-BSD1)										
Prepared & Analyzed: 15-Dec-06										
Ethylbenzene	18.4		µg/l		20.0		92.0	70-130	3.73	25
Methyl tert-butyl ether	19.3		µg/l		20.0		96.5	70-130	3.06	25
Naphthalene	20.6		µg/l		20.0		103	70-130	6.57	25
Toluene	18.3		µg/l		20.0		91.5	70-130	4.28	25
m,p-Xylene	36.6		µg/l		40.0		91.5	70-130	4.28	25
o-Xylene	18.7		µg/l		20.0		93.5	70-130	3.16	25
2-Methylpentane	19.2		µg/l		20.0		96.0	70-130	10.8	25
n-Nonane	18.8		µg/l		20.0		94.0	70-130	14.8	25
n-Pentane	17.9		µg/l		20.0		89.5	70-130	5.96	25
1,2,4-Trimethylbenzene	19.3		µg/l		20.0		96.5	70-130	3.56	25
2,2,4-Trimethylpentane	18.4		µg/l		20.0		92.0	70-130	13.2	25
n-Butylcyclohexane	19.5		µg/l		20.0		97.5	70-130	17.3	25
n-Decane	16.2	QR2	µg/l		20.0		81.0	70-130	33.8	25
Surrogate: 2,5-Dibromotoluene (FID)	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*47.4*		µg/l		*50.0*		*94.8*	*70-130*		
Duplicate (6121224-DUP1) **Source: SA55424-01**										
Prepared & Analyzed: 15-Dec-06										
C5-C8 Aliphatic Hydrocarbons	0.0319	J	mg/l	0.0750		0.0310			2.86	50
C9-C12 Aliphatic Hydrocarbons	0.00789	J	mg/l	0.0250		0.00866			9.31	50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	0.0319	J	mg/l	0.0750		0.0310			2.86	50
Unadjusted C9-C12 Aliphatic Hydrocarbons	0.0123	J	mg/l	0.0250		0.0136			10.0	50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*53.8*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Matrix Spike (6121224-MS1) **Source: SA55424-01**										
Prepared & Analyzed: 15-Dec-06										
Benzene	20.0		µg/l		20.0	BRL	100	70-130		
Ethylbenzene	19.6		µg/l		20.0	BRL	98.0	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0	BRL	95.0	70-130		
Naphthalene	21.4		µg/l		20.0	BRL	107	70-130		
Toluene	19.5		µg/l		20.0	BRL	97.5	70-130		
m,p-Xylene	38.7		µg/l		40.0	BRL	96.8	70-130		
o-Xylene	19.6		µg/l		20.0	BRL	98.0	70-130		
2-Methylpentane	24.0		µg/l		20.0	BRL	120	70-130		
n-Nonane	20.6		µg/l		20.0	BRL	103	70-130		
n-Pentane	20.9		µg/l		20.0	BRL	104	70-130		
1,2,4-Trimethylbenzene	20.1		µg/l		20.0	BRL	100	70-130		
2,2,4-Trimethylpentane	21.4		µg/l		20.0	BRL	107	70-130		
n-Butylcyclohexane	21.8		µg/l		20.0	0.0	109	70-130		
n-Decane	27.7		µg/l		20.0	9.70	90.0	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*54.7*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Batch 6121315 - SW846 5030 Water MS										
Blank (6121315-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
Prepared & Analyzed: 18-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
Blank (6121315-BLK1)										
Prepared & Analyzed: 18-Dec-06										
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.8*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/l		*30.0*		*99.3*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/l		*30.0*		*103*	*70-130*		
Blank (6121315-BLK2)										
Prepared & Analyzed: 18-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	5.0						
Acetone	BRL	U	µg/l	50.0						
Acrylonitrile	BRL	U	µg/l	5.0						
Benzene	BRL	U	µg/l	5.0						
Bromobenzene	BRL	U	µg/l	5.0						
Bromochloromethane	BRL	U	µg/l	5.0						
Bromodichloromethane	BRL	U	µg/l	5.0						
Bromoform	BRL	U	µg/l	5.0						
Bromomethane	BRL	U	µg/l	10.0						
2-Butanone (MEK)	BRL	U	µg/l	50.0						
n-Butylbenzene	BRL	U	µg/l	5.0						
sec-Butylbenzene	BRL	U	µg/l	5.0						
tert-Butylbenzene	BRL	U	µg/l	5.0						
Carbon disulfide	BRL	U	µg/l	25.0						
Carbon tetrachloride	BRL	U	µg/l	5.0						
Chlorobenzene	BRL	U	µg/l	5.0						
Chloroethane	BRL	U	µg/l	10.0						
Chloroform	BRL	U	µg/l	5.0						
Chloromethane	BRL	U	µg/l	10.0						
2-Chlorotoluene	BRL	U	µg/l	5.0						
4-Chlorotoluene	BRL	U	µg/l	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	10.0						
Dibromochloromethane	BRL	U	µg/l	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	2.5						
Dibromomethane	BRL	U	µg/l	5.0						
1,2-Dichlorobenzene	BRL	U	µg/l	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
Blank (6121315-BLK2)										
Prepared & Analyzed: 18-Dec-06										
1,3-Dichlorobenzene	BRL	U	µg/l	5.0						
1,4-Dichlorobenzene	BRL	U	µg/l	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	10.0						
1,1-Dichloroethane	BRL	U	µg/l	5.0						
1,2-Dichloroethane	BRL	U	µg/l	5.0						
1,1-Dichloroethene	BRL	U	µg/l	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	5.0						
1,2-Dichloropropane	BRL	U	µg/l	5.0						
1,3-Dichloropropane	BRL	U	µg/l	5.0						
2,2-Dichloropropane	BRL	U	µg/l	5.0						
1,1-Dichloropropene	BRL	U	µg/l	2.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	2.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	2.5						
Ethylbenzene	BRL	U	µg/l	5.0						
Hexachlorobutadiene	BRL	U	µg/l	3.0						
2-Hexanone (MBK)	BRL	U	µg/l	50.0						
Isopropylbenzene	BRL	U	µg/l	5.0						
4-Isopropyltoluene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	50.0						
Methylene chloride	4.0	J	µg/l	50.0						
Naphthalene	BRL	U	µg/l	5.0						
n-Propylbenzene	BRL	U	µg/l	5.0						
Styrene	BRL	U	µg/l	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	5.0						
Tetrachloroethene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.0						
1,1,1-Trichloroethane	BRL	U	µg/l	5.0						
1,1,2-Trichloroethane	BRL	U	µg/l	5.0						
Trichloroethene	BRL	U	µg/l	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	5.0						
1,2,3-Trichloropropane	BRL	U	µg/l	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	5.0						
Vinyl chloride	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
Tetrahydrofuran	BRL	U	µg/l	50.0						
Ethyl ether	BRL	U	µg/l	5.0						
Tert-amyl methyl ether	BRL	U	µg/l	5.0						
Ethyl tert-butyl ether	BRL	U	µg/l	5.0						
Di-isopropyl ether	BRL	U	µg/l	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	50.0						
1,4-Dioxane	BRL	U	µg/l	100						
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/l		*30.0*		*99.7*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*31.5*		µg/l		*30.0*		*105*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
LCS (6121315-BS1)										
Prepared & Analyzed: 18-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.9		µg/l		20.0		114	70-130		
Acetone	17.0		µg/l		20.0		85.0	32.4-154		
Acrylonitrile	16.9		µg/l		20.0		84.5	70-130		
Benzene	21.2		µg/l		20.0		106	70-130		
Bromobenzene	22.9		µg/l		20.0		114	70-130		
Bromochloromethane	20.2		µg/l		20.0		101	70-130		
Bromodichloromethane	21.6		µg/l		20.0		108	70-130		
Bromoform	22.8		µg/l		20.0		114	70-130		
Bromomethane	16.7		µg/l		20.0		83.5	57.6-150		
2-Butanone (MEK)	17.1		µg/l		20.0		85.5	46.5-137		
n-Butylbenzene	21.5		µg/l		20.0		108	70-130		
sec-Butylbenzene	23.8		µg/l		20.0		119	70-130		
tert-Butylbenzene	23.9		µg/l		20.0		120	70-130		
Carbon disulfide	20.0		µg/l		20.0		100	70-130		
Carbon tetrachloride	23.2		µg/l		20.0		116	70-130		
Chlorobenzene	21.6		µg/l		20.0		108	70-130		
Chloroethane	19.0		µg/l		20.0		95.0	57.6-143		
Chloroform	20.4		µg/l		20.0		102	70-130		
Chloromethane	18.6		µg/l		20.0		93.0	70-130		
2-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
4-Chlorotoluene	22.9		µg/l		20.0		114	70-130		
1,2-Dibromo-3-chloropropane	18.4		µg/l		20.0		92.0	70-130		
Dibromochloromethane	22.2		µg/l		20.0		111	62.5-139		
1,2-Dibromoethane (EDB)	19.8		µg/l		20.0		99.0	70-130		
Dibromomethane	19.7		µg/l		20.0		98.5	70-130		
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,3-Dichlorobenzene	24.1		µg/l		20.0		120	70-130		
1,4-Dichlorobenzene	20.2		µg/l		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	21.4		µg/l		20.0		107	34.6-198		
1,1-Dichloroethane	19.8		µg/l		20.0		99.0	70-130		
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130		
1,1-Dichloroethene	20.5		µg/l		20.0		102	70-130		
cis-1,2-Dichloroethene	21.0		µg/l		20.0		105	70-130		
trans-1,2-Dichloroethene	20.6		µg/l		20.0		103	70-130		
1,2-Dichloropropane	19.9		µg/l		20.0		99.5	70-130		
1,3-Dichloropropane	19.3		µg/l		20.0		96.5	70-130		
2,2-Dichloropropane	25.6		µg/l		20.0		128	70-130		
1,1-Dichloropropene	21.7		µg/l		20.0		108	70-130		
cis-1,3-Dichloropropene	22.7		µg/l		20.0		114	70-130		
trans-1,3-Dichloropropene	20.5		µg/l		20.0		102	70-130		
Ethylbenzene	22.3		µg/l		20.0		112	70-130		
Hexachlorobutadiene	22.7		µg/l		20.0		114	63.4-142		
2-Hexanone (MBK)	19.3		µg/l		20.0		96.5	70-130		
Isopropylbenzene	21.8		µg/l		20.0		109	70-130		
4-Isopropyltoluene	21.8		µg/l		20.0		109	70-130		
Methyl tert-butyl ether	18.9		µg/l		20.0		94.5	70-130		
4-Methyl-2-pentanone (MIBK)	18.4		µg/l		20.0		92.0	51-135		
Methylene chloride	18.6		µg/l		20.0		93.0	70-130		
Naphthalene	20.6		µg/l		20.0		103	70-130		
n-Propylbenzene	22.7		µg/l		20.0		114	70-130		
Styrene	24.2		µg/l		20.0		121	70-130		
1,1,1,2-Tetrachloroethane	23.4		µg/l		20.0		117	70-130		
1,1,2,2-Tetrachloroethane	22.9		µg/l		20.0		114	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
LCS (6121315-BS1)										
Prepared & Analyzed: 18-Dec-06										
Tetrachloroethene	22.0		µg/l		20.0		110	70-130		
Toluene	20.4		µg/l		20.0		102	70-130		
1,2,3-Trichlorobenzene	21.8		µg/l		20.0		109	70-130		
1,2,4-Trichlorobenzene	21.4		µg/l		20.0		107	70-130		
1,1,1-Trichloroethane	22.5		µg/l		20.0		112	70-130		
1,1,2-Trichloroethane	19.8		µg/l		20.0		99.0	70-130		
Trichloroethene	19.3		µg/l		20.0		96.5	70-130		
Trichlorofluoromethane (Freon 11)	22.5		µg/l		20.0		112	63.2-153		
1,2,3-Trichloropropane	21.7		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	24.3		µg/l		20.0		122	70-130		
1,3,5-Trimethylbenzene	23.7		µg/l		20.0		118	70-130		
Vinyl chloride	23.8		µg/l		20.0		119	70-130		
m,p-Xylene	45.5		µg/l		40.0		114	70-130		
o-Xylene	23.5		µg/l		20.0		118	70-130		
Tetrahydrofuran	17.5		µg/l		20.0		87.5	70-130		
Ethyl ether	17.8		µg/l		20.0		89.0	57.2-135		
Tert-amyl methyl ether	18.0		µg/l		20.0		90.0	70-130		
Ethyl tert-butyl ether	19.5		µg/l		20.0		97.5	70-130		
Di-isopropyl ether	17.6		µg/l		20.0		88.0	70-130		
Tert-Butanol / butyl alcohol	172		µg/l		200		86.0	70-130		
1,4-Dioxane	176		µg/l		200		88.0	41.5-136		
Surrogate: 4-Bromofluorobenzene	*31.1*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: Dibromofluoromethane	*30.7*		µg/l		*30.0*		*102*	*70-130*		
LCS Dup (6121315-BSD1)										
Prepared & Analyzed: 18-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.9		µg/l		20.0		124	70-130	8.40	25
Acetone	17.9		µg/l		20.0		89.5	32.4-154	5.16	50
Acrylonitrile	18.2		µg/l		20.0		91.0	70-130	7.41	25
Benzene	22.5		µg/l		20.0		112	70-130	5.50	25
Bromobenzene	23.4		µg/l		20.0		117	70-130	2.60	25
Bromochloromethane	21.3		µg/l		20.0		106	70-130	4.83	25
Bromodichloromethane	22.7		µg/l		20.0		114	70-130	5.41	25
Bromoform	23.0		µg/l		20.0		115	70-130	0.873	25
Bromomethane	16.9		µg/l		20.0		84.5	57.6-150	1.19	50
2-Butanone (MEK)	18.2		µg/l		20.0		91.0	46.5-137	6.23	50
n-Butylbenzene	22.2		µg/l		20.0		111	70-130	2.74	25
sec-Butylbenzene	24.4		µg/l		20.0		122	70-130	2.49	25
tert-Butylbenzene	24.7		µg/l		20.0		124	70-130	3.28	25
Carbon disulfide	21.6		µg/l		20.0		108	70-130	7.69	25
Carbon tetrachloride	24.6		µg/l		20.0		123	70-130	5.86	25
Chlorobenzene	22.5		µg/l		20.0		112	70-130	3.64	25
Chloroethane	19.6		µg/l		20.0		98.0	57.6-143	3.11	50
Chloroform	21.9		µg/l		20.0		110	70-130	7.55	25
Chloromethane	19.5		µg/l		20.0		97.5	70-130	4.72	25
2-Chlorotoluene	23.1		µg/l		20.0		116	70-130	4.41	25
4-Chlorotoluene	23.7		µg/l		20.0		118	70-130	3.45	25
1,2-Dibromo-3-chloropropane	19.4		µg/l		20.0		97.0	70-130	5.29	25
Dibromochloromethane	23.0		µg/l		20.0		115	62.5-139	3.54	50
1,2-Dibromoethane (EDB)	21.1		µg/l		20.0		106	70-130	6.83	25
Dibromomethane	20.5		µg/l		20.0		102	70-130	3.49	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
LCS Dup (6121315-BSD1)										
Prepared & Analyzed: 18-Dec-06										
1,2-Dichlorobenzene	21.0		µg/l		20.0		105	70-130	0.957	25
1,3-Dichlorobenzene	24.8		µg/l		20.0		124	70-130	3.28	25
1,4-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	2.93	25
Dichlorodifluoromethane (Freon12)	22.5		µg/l		20.0		112	34.6-198	4.57	50
1,1-Dichloroethane	21.1		µg/l		20.0		106	70-130	6.83	25
1,2-Dichloroethane	21.0		µg/l		20.0		105	70-130	3.88	25
1,1-Dichloroethene	21.6		µg/l		20.0		108	70-130	5.71	25
cis-1,2-Dichloroethene	21.8		µg/l		20.0		109	70-130	3.74	25
trans-1,2-Dichloroethene	21.6		µg/l		20.0		108	70-130	4.74	25
1,2-Dichloropropane	20.7		µg/l		20.0		104	70-130	4.42	25
1,3-Dichloropropane	20.0		µg/l		20.0		100	70-130	3.56	25
2,2-Dichloropropane	27.9	QC1	µg/l		20.0		140	70-130	8.96	25
1,1-Dichloropropene	23.2		µg/l		20.0		116	70-130	7.14	25
cis-1,3-Dichloropropene	23.6		µg/l		20.0		118	70-130	3.45	25
trans-1,3-Dichloropropene	21.2		µg/l		20.0		106	70-130	3.85	25
Ethylbenzene	23.2		µg/l		20.0		116	70-130	3.51	25
Hexachlorobutadiene	23.2		µg/l		20.0		116	63.4-142	1.74	50
2-Hexanone (MBK)	18.3		µg/l		20.0		91.5	70-130	5.32	25
Isopropylbenzene	22.8		µg/l		20.0		114	70-130	4.48	25
4-Isopropyltoluene	22.4		µg/l		20.0		112	70-130	2.71	25
Methyl tert-butyl ether	20.0		µg/l		20.0		100	70-130	5.66	25
4-Methyl-2-pentanone (MIBK)	17.9		µg/l		20.0		89.5	51-135	2.75	50
Methylene chloride	19.2		µg/l		20.0		96.0	70-130	3.17	25
Naphthalene	21.4		µg/l		20.0		107	70-130	3.81	25
n-Propylbenzene	23.3		µg/l		20.0		116	70-130	1.74	25
Styrene	24.6		µg/l		20.0		123	70-130	1.64	25
1,1,1,2-Tetrachloroethane	24.1		µg/l		20.0		120	70-130	2.53	25
1,1,2,2-Tetrachloroethane	24.6		µg/l		20.0		123	70-130	7.59	25
Tetrachloroethene	23.5		µg/l		20.0		118	70-130	7.02	25
Toluene	21.5		µg/l		20.0		108	70-130	5.71	25
1,2,3-Trichlorobenzene	22.4		µg/l		20.0		112	70-130	2.71	25
1,2,4-Trichlorobenzene	22.1		µg/l		20.0		110	70-130	2.76	25
1,1,1-Trichloroethane	23.8		µg/l		20.0		119	70-130	6.06	25
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	70-130	5.88	25
Trichloroethene	21.0		µg/l		20.0		105	70-130	8.44	25
Trichlorofluoromethane (Freon 11)	23.8		µg/l		20.0		119	63.2-153	6.06	50
1,2,3-Trichloropropane	22.4		µg/l		20.0		112	70-130	3.64	25
1,2,4-Trimethylbenzene	24.8		µg/l		20.0		124	70-130	1.63	25
1,3,5-Trimethylbenzene	24.3		µg/l		20.0		122	70-130	3.33	25
Vinyl chloride	27.6	QC1	µg/l		20.0		138	70-130	14.8	25
m,p-Xylene	47.2		µg/l		40.0		118	70-130	3.45	25
o-Xylene	24.2		µg/l		20.0		121	70-130	2.51	25
Tetrahydrofuran	16.9		µg/l		20.0		84.5	70-130	3.49	25
Ethyl ether	18.6		µg/l		20.0		93.0	57.2-135	4.40	50
Tert-amyl methyl ether	18.7		µg/l		20.0		93.5	70-130	3.81	25
Ethyl tert-butyl ether	20.4		µg/l		20.0		102	70-130	4.51	25
Di-isopropyl ether	18.4		µg/l		20.0		92.0	70-130	4.44	25
Tert-Butanol / butyl alcohol	177		µg/l		200		88.5	70-130	2.87	25
1,4-Dioxane	193		µg/l		200		96.5	41.5-136	9.21	25
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.9*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/l		*30.0*		*99.7*	*70-130*		
Surrogate: Dibromofluoromethane	*31.3*		µg/l		*30.0*		*104*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121315 - SW846 5030 Water MS										
Matrix Spike (6121315-MS1)	**Source: SA55531-02**									
Prepared & Analyzed: 18-Dec-06										
Benzene	22.4		µg/l		20.0	BRL	112	70-130		
Chlorobenzene	23.5		µg/l		20.0	BRL	118	70-130		
1,1-Dichloroethene	23.8		µg/l		20.0	BRL	119	70-130		
Toluene	23.6		µg/l		20.0	BRL	118	70-130		
Trichloroethene	23.1		µg/l		20.0	BRL	116	70-130		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*32.0*		µg/l		*30.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.9*		µg/l		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*32.8*		µg/l		*30.0*		*109*	*70-130*		
Matrix Spike Dup (6121315-MSD1)	**Source: SA55531-02**									
Prepared & Analyzed: 18-Dec-06										
Benzene	23.4		µg/l		20.0	BRL	117	70-130	4.37	30
Chlorobenzene	23.7		µg/l		20.0	BRL	118	70-130	0.00	30
1,1-Dichloroethene	23.3		µg/l		20.0	BRL	116	70-130	2.55	30
Toluene	22.3		µg/l		20.0	BRL	112	70-130	5.22	30
Trichloroethene	21.4		µg/l		20.0	BRL	107	70-130	8.07	30
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/l		*30.0*		*98.0*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/l		*30.0*		*103*	*70-130*		

Organic Compounds by Modified SW846 8015 - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121431 - SW846 8015 Mod.										
Blank (6121431-BLK1)										
Prepared & Analyzed: 19-Dec-06										
Diethylene glycol	BRL	U	mg/l	10.0						
Ethylene glycol	BRL	U	mg/l	10.0						
Ethylene glycol monobutyl ether	BRL	U	mg/l	10.0						
LCS (6121431-BS1)										
Prepared & Analyzed: 19-Dec-06										
Diethylene glycol	101		mg/l	10.0	100		101	40-140		
Ethylene glycol	81.3		mg/l	10.0	100		81.3	40-140		
Ethylene glycol monobutyl ether	76.6		mg/l	10.0	100		76.6	40-140		
Duplicate (6121431-DUP1)	**Source: SA55424-05**									
Prepared & Analyzed: 19-Dec-06										
Diethylene glycol	BRL	U	mg/l	10.0		BRL				200
Ethylene glycol	BRL	U	mg/l	10.0		BRL				200
Ethylene glycol monobutyl ether	BRL	U	mg/l	10.0		BRL				200

Notes and Definitions

__RE	Reanalysis for data confirmation.
E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
NFTC	None found
QC1	Analyte out of acceptance range.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Christopher Hall
Nicole Brown

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA55424					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 12/20/2006

SA 55424 EM

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
55424-01 419	12/7/2006	15:03	MW-101C	4							
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs with TICs reported - 8260B	T
02 441	12/8/2006	7:00	TB-502	2							
				1	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				1	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T
03 444	12/7/2006	13:00	CB-8-CASING	2							
				2	40	mL	Glass Vials	HCL, 4 Deg C		8015 - Glycol	T
04 445	12/7/2006	12:30	CB-8-BOW	2							
				2	40	mL	Glass Vials	HCL, 4 Deg C		8015 - Glycol	T
05 446	12/7/2006	12:15	CB-8-TOW	2							
				2	40	mL	Glass Vials	HCL, 4 Deg C		8015 - Glycol	T

SDG Number: S013 *Start Date:* 12/5/2006 *End Date:* N/A

* Extra Metals = Barium, Iron and Maganese

Relinquished: _____ *Date:* 12/08/2006 *Time:* 11:30

Received: [signature] *Date:* 12/08/2006 *Time:* 1335

[signature] 12/8/06 1337

Thursday, December 07, 2006

4.6

Report Date:
26-Dec-06 10:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Yankee Nuclear Power Station
49 Yankee Road
Rowe, MA 01367
Attn: Joe Lynch

Project: YNPS-ROWE, DPF-8123.1
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA55666-01	MW-101A	Ground Water	14-Dec-06 15:10	15-Dec-06 10:35
SA55666-02	FD001	Ground Water	11-Dec-06 13:36	15-Dec-06 10:35
SA55666-03	MW-107A	Ground Water	11-Dec-06 13:36	15-Dec-06 10:35
SA55666-04	EB-501	Ground Water	14-Dec-06 17:00	15-Dec-06 10:35
SA55666-05	TB-503	Ground Water	14-Dec-06 17:30	15-Dec-06 10:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 31 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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CASE NARRATIVE:

The data set for work order SA55666 complies with internal QC criteria for the methods performed.

The samples were received @ 4.4 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101A SA55666-01	[none]	Ground Water	14-Dec-06 15:10	15-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0008	J	mg/l	0.0050	0.0008	1	SW846 6010B	20-Dec-06	21-Dec-06	6121393	LR
7440-38-2	Arsenic	0.0120		mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0290	J	mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0033	J	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0229		mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	0.0264		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.0004		mg/l	0.0002	0.000005	1	SW846 6020	"	21-Dec-06	6121394	"
7440-66-6	Zinc	0.0347		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Dec-06	6121393	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	20-Dec-06	21-Dec-06	6121395	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FD001 SA55666-02	[none]	Ground Water	11-Dec-06 13:36	15-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	20-Dec-06	21-Dec-06	6121393	LR
7440-38-2	Arsenic	0.0116		mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0598		mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0103		mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	0.0131		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00009	J	mg/l	0.0002	0.000005	1	SW846 6020	"	21-Dec-06	6121394	"
7440-66-6	Zinc	0.0156		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Dec-06	6121393	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	20-Dec-06	21-Dec-06	6121395	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-107A SA55666-03	[none]	Ground Water	11-Dec-06 13:36	15-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	20-Dec-06	21-Dec-06	6121393	LR
7440-38-2	Arsenic	0.0123		mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0648		mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0116		mg/l	0.0050	0.0010	1	"	"	"	"	"
7440-02-0	Nickel	0.0130		mg/l	0.0050	0.0018	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	0.0008	J	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.00005	J	mg/l	0.0002	0.000005	1	SW846 6020	"	21-Dec-06	6121394	"
7440-66-6	Zinc	0.0316		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Dec-06	6121393	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	0.00004	J	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	20-Dec-06	21-Dec-06	6121395	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-501 SA55666-04	[none]	Ground Water	14-Dec-06 17:00	15-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Dec-06	19-Dec-06	6121493	ek
67-64-1	Acetone	3.8	J	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	0.6	J	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-501 SA55666-04	[none]	Ground Water	14-Dec-06 17:00	15-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	19-Dec-06	19-Dec-06	6121493	ek
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96.0*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98.0*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*97.0*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*93.0*		*70-130 %*				"	"	"	"	"
Tentatively Identified Compounds by SW846 8260B												
Prepared by method SW846 5030 Water MS												
	Tentatively Identified Compounds	None found	U	µg/l			1	SW846 8260B	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	19-Dec-06	19-Dec-06	6121453	EQ
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-501 SA55666-04	[none]	Ground Water	14-Dec-06 17:00	15-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	+MADEP 5/2004 Rev. 1.1	19-Dec-06	19-Dec-06	6121453	EQ
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												
615-59-8	*2,5-Dibromotoluene (FID)*	*107*		*70-130 %*				"	"	"	"	"
615-59-8	*2,5-Dibromotoluene (PID)*	*101*		*70-130 %*				"	"	"	"	"
Extractable Petroleum Hydrocarbons												
EPH Aliphatic/Aromatic Ranges												
Prepared by method SW846 3510C												
	C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	+MADEP 5/2004 R	19-Dec-06	21-Dec-06	6121430	M.B
	C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL	U	mg/l	0.2	0.2	1	"	"	"	"	"
EPH Target PAH Analytes												
Prepared by method SW846 3510C												
91-20-3	Naphthalene	BRL	U	µg/l	1.00	0.190	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	1.00	0.110	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL	U	µg/l	1.00	0.150	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	1.00	0.230	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	1.00	0.150	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	1.00	0.120	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	1.00	0.350	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	1.00	0.320	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	1.00	0.0700	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	1.00	0.660	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	1.00	0.200	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	0.200	0.170	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500	0.230	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500	0.0800	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	1.00	0.140	1	"	"	"	"	"
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*40.5*		*40-140 %*				"	"	"	"	"
84-15-1	*Ortho-Terphenyl*	*66.0*		*40-140 %*				"	"	"	"	"
580-13-2	*2-Bromonaphthalene*	*77.5*		*40-140 %*				"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*83.1*		*40-140 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0008	1	SW846 6010B	20-Dec-06	21-Dec-06	6121393	LR
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0022	1	"	"	"	"	"
7440-42-8	Boron	0.0080	J	mg/l	0.0500	0.0032	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0006	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0017	1	"	"	"	"	"
7440-50-8	Copper	0.0230		mg/l	0.0050	0.0010	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-501 SA55666-04	[none]	Ground Water	14-Dec-06 17:00	15-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-02-0	Nickel	BRL	U	mg/l	0.0050	0.0018	1	SW846 6010B	20-Dec-06	21-Dec-06	6121393	LR
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0023	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0150	0.0006	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0060	1	"	"	"	"	"
7440-28-0	Thallium	0.0003		mg/l	0.0002	0.000005	1	SW846 6020	"	21-Dec-06	6121394	"
7440-66-6	Zinc	0.0244		mg/l	0.0050	0.0039	1	SW846 6010B	"	21-Dec-06	6121393	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00004	1	EPA 245.1/7470A	20-Dec-06	21-Dec-06	6121395	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-503 SA55666-05	[none]	Ground Water	14-Dec-06 17:30	15-Dec-06

Volatile Organic Compounds

Volatile Organic Compounds

Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Dec-06	19-Dec-06	6121493	ek
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	0.5	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	0.6	0.4	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-503 SA55666-05	[none]	Ground Water	14-Dec-06 17:30	15-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilutio	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	SW 846 8260B	19-Dec-06	19-Dec-06	6121493	ek
100-42-5	Styrene	1.1	V11	µg/l	1.0	0.4	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96.6*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98.0*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*98.8*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*92.8*		*70-130 %*				"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges												
Prepared by method VPH												
	C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	+MADEP 5/2004 Rev. 1.1	19-Dec-06	19-Dec-06	6121453	EQ
	C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750	0.00500	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250	0.00500	1	"	"	"	"	"
VPH Target Analytes												
Prepared by method VPH												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	5.0	1.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.0	2.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	5.0	1.6	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-503 SA55666-05	[none]	Ground Water	14-Dec-06 17:30	15-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilutio*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
VPH Target Analytes												
Prepared by method VPH												
615-59-8	*2,5-Dibromotoluene (FID)*	*104*		*70-130 %*				+MADEP 5/2004 Rev. 1.1	19-Dec-06	19-Dec-06	6121453	EQ
615-59-8	*2,5-Dibromotoluene (PID)*	*97.6*		*70-130 %*				"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121453 - VPH										
Blank (6121453-BLK1)										
Prepared & Analyzed: 19-Dec-06										
C5-C8 Aliphatic Hydrocarbons	0.00531	J	mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	0.00599	J	mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250						
Benzene	BRL	U	µg/l	5.0						
Ethylbenzene	BRL	U	µg/l	5.0						
Methyl tert-butyl ether	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	5.0						
Toluene	BRL	U	µg/l	5.0						
m,p-Xylene	BRL	U	µg/l	10.0						
o-Xylene	BRL	U	µg/l	5.0						
2-Methylpentane	BRL	U	µg/l	5.0						
n-Nonane	BRL	U	µg/l	10.0						
n-Pentane	BRL	U	µg/l	10.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	5.0						
2,2,4-Trimethylpentane	BRL	U	µg/l	5.0						
n-Butylcyclohexane	BRL	U	µg/l	5.0						
n-Decane	BRL	U	µg/l	5.0						
Surrogate: 2,5-Dibromotoluene (FID)	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*43.7*		µg/l		*50.0*		*87.4*	*70-130*		
LCS (6121453-BS1)										
Prepared & Analyzed: 19-Dec-06										
C5-C8 Aliphatic Hydrocarbons	104		mg/l		140		74.3	70-130		
C9-C12 Aliphatic Hydrocarbons	55.8		mg/l		55.2		101	70-130		
C9-C10 Aromatic Hydrocarbons	33.4		mg/l		40.0		83.5	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	233		mg/l		280		83.2	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	89.2		mg/l		84.8		105	70-130		
Benzene	19.6		µg/l		20.0		98.0	70-130		
Ethylbenzene	18.0		µg/l		20.0		90.0	70-130		
Methyl tert-butyl ether	19.5		µg/l		20.0		97.5	70-130		
Naphthalene	17.2		µg/l		20.0		86.0	70-130		
Toluene	17.9		µg/l		20.0		89.5	70-130		
m,p-Xylene	35.4		µg/l		40.0		88.5	70-130		
o-Xylene	17.9		µg/l		20.0		89.5	70-130		
2-Methylpentane	20.8		µg/l		20.0		104	70-130		
n-Nonane	20.6		µg/l		20.0		103	70-130		
n-Pentane	21.4		µg/l		20.0		107	70-130		
1,2,4-Trimethylbenzene	18.1		µg/l		20.0		90.5	70-130		
2,2,4-Trimethylpentane	21.5		µg/l		20.0		108	70-130		
n-Butylcyclohexane	20.9		µg/l		20.0		104	70-130		
n-Decane	19.5		µg/l		20.0		97.5	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
LCS Dup (6121453-BSD1)										
Prepared & Analyzed: 19-Dec-06										
C5-C8 Aliphatic Hydrocarbons	102		mg/l		140		72.9	70-130	1.90	25
C9-C12 Aliphatic Hydrocarbons	54.8		mg/l		55.2		99.3	70-130	1.70	25
C9-C10 Aromatic Hydrocarbons	33.0		mg/l		40.0		82.5	70-130	1.20	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	230		mg/l		280		82.1	70-130	1.33	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	87.8		mg/l		84.8		104	70-130	0.957	25
Benzene	18.8		µg/l		20.0		94.0	70-130	4.17	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121453 - VPH										
LCS Dup (6121453-BSD1)										
Prepared & Analyzed: 19-Dec-06										
Ethylbenzene	18.2		µg/l		20.0		91.0	70-130	1.10	25
Methyl tert-butyl ether	19.1		µg/l		20.0		95.5	70-130	2.07	25
Naphthalene	18.6		µg/l		20.0		93.0	70-130	7.82	25
Toluene	18.1		µg/l		20.0		90.5	70-130	1.11	25
m,p-Xylene	35.9		µg/l		40.0		89.8	70-130	1.46	25
o-Xylene	18.3		µg/l		20.0		91.5	70-130	2.21	25
2-Methylpentane	19.8		µg/l		20.0		99.0	70-130	4.93	25
n-Nonane	19.9		µg/l		20.0		99.5	70-130	3.46	25
n-Pentane	19.5		µg/l		20.0		97.5	70-130	9.29	25
1,2,4-Trimethylbenzene	18.5		µg/l		20.0		92.5	70-130	2.19	25
2,2,4-Trimethylpentane	20.4		µg/l		20.0		102	70-130	5.71	25
n-Butylcyclohexane	20.0		µg/l		20.0		100	70-130	3.92	25
n-Decane	16.9		µg/l		20.0		84.5	70-130	14.3	25
Surrogate: 2,5-Dibromotoluene (FID)	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*45.2*		µg/l		*50.0*		*90.4*	*70-130*		
Duplicate (6121453-DUP1) **Source: SA55666-04**										
Prepared & Analyzed: 19-Dec-06										
C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0750		BRL				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL	U	mg/l	0.0250		BRL				50
Benzene	BRL	U	µg/l	5.0		BRL				50
Ethylbenzene	BRL	U	µg/l	5.0		BRL				50
Methyl tert-butyl ether	BRL	U	µg/l	5.0		BRL				50
Naphthalene	BRL	U	µg/l	5.0		BRL				50
Toluene	BRL	U	µg/l	5.0		BRL				50
m,p-Xylene	BRL	U	µg/l	10.0		BRL				50
o-Xylene	BRL	U	µg/l	5.0		BRL				50
Surrogate: 2,5-Dibromotoluene (FID)	*54.4*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Matrix Spike (6121453-MS1) **Source: SA55666-04**										
Prepared & Analyzed: 19-Dec-06										
Benzene	19.2		µg/l		20.0	BRL	96.0	70-130		
Ethylbenzene	18.3		µg/l		20.0	BRL	91.5	70-130		
Methyl tert-butyl ether	18.0		µg/l		20.0	BRL	90.0	70-130		
Naphthalene	17.2		µg/l		20.0	BRL	86.0	70-130		
Toluene	18.5		µg/l		20.0	BRL	92.5	70-130		
m,p-Xylene	36.7		µg/l		40.0	BRL	91.8	70-130		
o-Xylene	18.5		µg/l		20.0	BRL	92.5	70-130		
2-Methylpentane	20.6		µg/l		20.0	BRL	103	70-130		
n-Nonane	21.3		µg/l		20.0	BRL	106	70-130		
n-Pentane	20.7		µg/l		20.0	BRL	104	70-130		
1,2,4-Trimethylbenzene	19.3		µg/l		20.0	BRL	96.5	70-130		
2,2,4-Trimethylpentane	19.8		µg/l		20.0	BRL	99.0	70-130		
n-Butylcyclohexane	22.3		µg/l		20.0	0.0	112	70-130		
n-Decane	23.7		µg/l		20.0	0.0	118	70-130		
Surrogate: 2,5-Dibromotoluene (FID)	*44.1*		µg/l		*50.0*		*88.2*	*70-130*		
Surrogate: 2,5-Dibromotoluene (PID)	*40.8*		µg/l		*50.0*		*81.6*	*70-130*		
Batch 6121493 - SW846 5030 Water MS										
Blank (6121493-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121493 - SW846 5030 Water MS										
Prepared & Analyzed: 19-Dec-06										
Tentatively Identified Compounds	None found	U	µg/l							
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	0.5						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	0.5						
cis-1,3-Dichloropropene	BRL	U	µg/l	0.5						
trans-1,3-Dichloropropene	BRL	U	µg/l	0.5						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	0.6						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121493 - SW846 5030 Water MS										
Blank (6121493-BLK1)										
Prepared & Analyzed: 19-Dec-06										
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/l		*50.0*		*95.6*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Surrogate: Dibromofluoromethane	*47.5*		µg/l		*50.0*		*95.0*	*70-130*		
LCS (6121493-BS1)										
Prepared & Analyzed: 19-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.7		µg/l		20.0		118	70-130		
Acetone	27.3		µg/l		20.0		136	32.4-154		
Acrylonitrile	25.7		µg/l		20.0		128	70-130		
Benzene	21.2		µg/l		20.0		106	70-130		
Bromobenzene	20.6		µg/l		20.0		103	70-130		
Bromochloromethane	20.4		µg/l		20.0		102	70-130		
Bromodichloromethane	22.5		µg/l		20.0		112	70-130		
Bromoform	19.8		µg/l		20.0		99.0	70-130		
Bromomethane	22.1		µg/l		20.0		110	57.6-150		
2-Butanone (MEK)	19.6		µg/l		20.0		98.0	46.5-137		
n-Butylbenzene	25.5		µg/l		20.0		128	70-130		
sec-Butylbenzene	22.2		µg/l		20.0		111	70-130		
tert-Butylbenzene	21.8		µg/l		20.0		109	70-130		
Carbon disulfide	19.2		µg/l		20.0		96.0	70-130		
Carbon tetrachloride	22.5		µg/l		20.0		112	70-130		
Chlorobenzene	21.8		µg/l		20.0		109	70-130		
Chloroethane	24.8		µg/l		20.0		124	57.6-143		
Chloroform	20.6		µg/l		20.0		103	70-130		
Chloromethane	28.3	QC2	µg/l		20.0		142	70-130		
2-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
4-Chlorotoluene	23.1		µg/l		20.0		116	70-130		
1,2-Dibromo-3-chloropropane	24.7		µg/l		20.0		124	70-130		
Dibromochloromethane	20.7		µg/l		20.0		104	62.5-139		
1,2-Dibromoethane (EDB)	21.3		µg/l		20.0		106	70-130		
Dibromomethane	20.4		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121493 - SW846 5030 Water MS										
LCS (6121493-BS1)										
Prepared & Analyzed: 19-Dec-06										
1,2-Dichlorobenzene	23.0		µg/l		20.0		115	70-130		
1,3-Dichlorobenzene	21.1		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	23.0		µg/l		20.0		115	70-130		
Dichlorodifluoromethane (Freon12)	21.1		µg/l		20.0		106	34.6-198		
1,1-Dichloroethane	21.0		µg/l		20.0		105	70-130		
1,2-Dichloroethane	22.0		µg/l		20.0		110	70-130		
1,1-Dichloroethene	25.8		µg/l		20.0		129	70-130		
cis-1,2-Dichloroethene	22.8		µg/l		20.0		114	70-130		
trans-1,2-Dichloroethene	20.7		µg/l		20.0		104	70-130		
1,2-Dichloropropane	22.5		µg/l		20.0		112	70-130		
1,3-Dichloropropane	21.0		µg/l		20.0		105	70-130		
2,2-Dichloropropane	23.4		µg/l		20.0		117	70-130		
1,1-Dichloropropene	20.1		µg/l		20.0		100	70-130		
cis-1,3-Dichloropropene	23.5		µg/l		20.0		118	70-130		
trans-1,3-Dichloropropene	20.5		µg/l		20.0		102	70-130		
Ethylbenzene	21.9		µg/l		20.0		110	70-130		
Hexachlorobutadiene	20.4		µg/l		20.0		102	63.4-142		
2-Hexanone (MBK)	21.3		µg/l		20.0		106	70-130		
Isopropylbenzene	21.0		µg/l		20.0		105	70-130		
4-Isopropyltoluene	25.1		µg/l		20.0		126	70-130		
Methyl tert-butyl ether	21.5		µg/l		20.0		108	70-130		
4-Methyl-2-pentanone (MIBK)	21.7		µg/l		20.0		108	51-135		
Methylene chloride	23.8		µg/l		20.0		119	70-130		
Naphthalene	25.4		µg/l		20.0		127	70-130		
n-Propylbenzene	21.3		µg/l		20.0		106	70-130		
Styrene	23.6		µg/l		20.0		118	70-130		
1,1,1,2-Tetrachloroethane	24.5		µg/l		20.0		122	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130		
Tetrachloroethene	18.1		µg/l		20.0		90.5	70-130		
Toluene	20.2		µg/l		20.0		101	70-130		
1,2,3-Trichlorobenzene	24.5		µg/l		20.0		122	70-130		
1,2,4-Trichlorobenzene	23.2		µg/l		20.0		116	70-130		
1,1,1-Trichloroethane	20.9		µg/l		20.0		104	70-130		
1,1,2-Trichloroethane	21.5		µg/l		20.0		108	70-130		
Trichloroethene	20.7		µg/l		20.0		104	70-130		
Trichlorofluoromethane (Freon 11)	23.9		µg/l		20.0		120	63.2-153		
1,2,3-Trichloropropane	24.3		µg/l		20.0		122	70-130		
1,2,4-Trimethylbenzene	23.1		µg/l		20.0		116	70-130		
1,3,5-Trimethylbenzene	22.5		µg/l		20.0		112	70-130		
Vinyl chloride	30.8	QC2	µg/l		20.0		154	70-130		
m,p-Xylene	44.9		µg/l		40.0		112	70-130		
o-Xylene	23.4		µg/l		20.0		117	70-130		
Tetrahydrofuran	21.1		µg/l		20.0		106	70-130		
Ethyl ether	26.9		µg/l		20.0		134	57.2-135		
Tert-amyl methyl ether	20.4		µg/l		20.0		102	70-130		
Ethyl tert-butyl ether	26.0		µg/l		20.0		130	70-130		
Di-isopropyl ether	24.0		µg/l		20.0		120	70-130		
Tert-Butanol / butyl alcohol	182		µg/l		200		91.0	70-130		
1,4-Dioxane	178		µg/l		200		89.0	41.5-136		
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/l		*50.0*		*98.4*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/l		*50.0*		*97.8*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/l		*50.0*		*95.4*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121493 - SW846 5030 Water MS										
LCS Dup (6121493-BSD1)										
Prepared & Analyzed: 19-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.9		µg/l		20.0		120	70-130	1.68	25
Acetone	28.2		µg/l		20.0		141	32.4-154	3.61	50
Acrylonitrile	25.0		µg/l		20.0		125	70-130	2.37	25
Benzene	20.2		µg/l		20.0		101	70-130	4.83	25
Bromobenzene	19.0		µg/l		20.0		95.0	70-130	8.08	25
Bromochloromethane	19.6		µg/l		20.0		98.0	70-130	4.00	25
Bromodichloromethane	20.5		µg/l		20.0		102	70-130	9.35	25
Bromoform	18.6		µg/l		20.0		93.0	70-130	6.25	25
Bromomethane	19.6		µg/l		20.0		98.0	57.6-150	11.5	50
2-Butanone (MEK)	20.4		µg/l		20.0		102	46.5-137	4.00	50
n-Butylbenzene	25.0		µg/l		20.0		125	70-130	2.37	25
sec-Butylbenzene	22.1		µg/l		20.0		110	70-130	0.905	25
tert-Butylbenzene	22.2		µg/l		20.0		111	70-130	1.82	25
Carbon disulfide	19.8		µg/l		20.0		99.0	70-130	3.08	25
Carbon tetrachloride	22.5		µg/l		20.0		112	70-130	0.00	25
Chlorobenzene	20.4		µg/l		20.0		102	70-130	6.64	25
Chloroethane	25.2		µg/l		20.0		126	57.6-143	1.60	50
Chloroform	19.4		µg/l		20.0		97.0	70-130	6.00	25
Chloromethane	28.0	QC2	µg/l		20.0		140	70-130	1.42	25
2-Chlorotoluene	20.3		µg/l		20.0		102	70-130	8.45	25
4-Chlorotoluene	21.7		µg/l		20.0		108	70-130	7.14	25
1,2-Dibromo-3-chloropropane	21.7		µg/l		20.0		108	70-130	13.8	25
Dibromochloromethane	19.0		µg/l		20.0		95.0	62.5-139	9.05	50
1,2-Dibromoethane (EDB)	19.8		µg/l		20.0		99.0	70-130	6.83	25
Dibromomethane	19.1		µg/l		20.0		95.5	70-130	6.58	25
1,2-Dichlorobenzene	20.9		µg/l		20.0		104	70-130	10.0	25
1,3-Dichlorobenzene	19.5		µg/l		20.0		97.5	70-130	8.35	25
1,4-Dichlorobenzene	20.5		µg/l		20.0		102	70-130	12.0	25
Dichlorodifluoromethane (Freon12)	21.0		µg/l		20.0		105	34.6-198	0.948	50
1,1-Dichloroethane	20.2		µg/l		20.0		101	70-130	3.88	25
1,2-Dichloroethane	19.9		µg/l		20.0		99.5	70-130	10.0	25
1,1-Dichloroethene	25.4		µg/l		20.0		127	70-130	1.56	25
cis-1,2-Dichloroethene	21.7		µg/l		20.0		108	70-130	5.41	25
trans-1,2-Dichloroethene	20.6		µg/l		20.0		103	70-130	0.966	25
1,2-Dichloropropane	20.6		µg/l		20.0		103	70-130	8.37	25
1,3-Dichloropropane	18.9		µg/l		20.0		94.5	70-130	10.5	25
2,2-Dichloropropane	23.5		µg/l		20.0		118	70-130	0.851	25
1,1-Dichloropropene	20.6		µg/l		20.0		103	70-130	2.96	25
cis-1,3-Dichloropropene	21.6		µg/l		20.0		108	70-130	8.85	25
trans-1,3-Dichloropropene	19.1		µg/l		20.0		95.5	70-130	6.58	25
Ethylbenzene	21.2		µg/l		20.0		106	70-130	3.70	25
Hexachlorobutadiene	18.7		µg/l		20.0		93.5	63.4-142	8.70	50
2-Hexanone (MBK)	20.8		µg/l		20.0		104	70-130	1.90	25
Isopropylbenzene	20.8		µg/l		20.0		104	70-130	0.957	25
4-Isopropyltoluene	24.2		µg/l		20.0		121	70-130	4.05	25
Methyl tert-butyl ether	19.8		µg/l		20.0		99.0	70-130	8.70	25
4-Methyl-2-pentanone (MIBK)	20.8		µg/l		20.0		104	51-135	3.77	50
Methylene chloride	22.1		µg/l		20.0		110	70-130	7.86	25
Naphthalene	22.8		µg/l		20.0		114	70-130	10.8	25
n-Propylbenzene	21.5		µg/l		20.0		108	70-130	1.87	25
Styrene	21.9		µg/l		20.0		110	70-130	7.02	25
1,1,1,2-Tetrachloroethane	21.9		µg/l		20.0		110	70-130	10.3	25
1,1,2,2-Tetrachloroethane	20.3		µg/l		20.0		102	70-130	3.85	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121493 - SW846 5030 Water MS										
LCS Dup (6121493-BSD1)										
Prepared & Analyzed: 19-Dec-06										
Tetrachloroethene	17.7		µg/l		20.0		88.5	70-130	2.23	25
Toluene	19.5		µg/l		20.0		97.5	70-130	3.53	25
1,2,3-Trichlorobenzene	20.7		µg/l		20.0		104	70-130	15.9	25
1,2,4-Trichlorobenzene	19.3		µg/l		20.0		96.5	70-130	18.4	25
1,1,1-Trichloroethane	20.8		µg/l		20.0		104	70-130	0.00	25
1,1,2-Trichloroethane	20.3		µg/l		20.0		102	70-130	5.71	25
Trichloroethene	20.2		µg/l		20.0		101	70-130	2.93	25
Trichlorofluoromethane (Freon 11)	23.6		µg/l		20.0		118	63.2-153	1.68	50
1,2,3-Trichloropropane	22.4		µg/l		20.0		112	70-130	8.55	25
1,2,4-Trimethylbenzene	21.4		µg/l		20.0		107	70-130	8.07	25
1,3,5-Trimethylbenzene	21.6		µg/l		20.0		108	70-130	3.64	25
Vinyl chloride	28.6	QC2	µg/l		20.0		143	70-130	7.41	25
m,p-Xylene	43.7		µg/l		40.0		109	70-130	2.71	25
o-Xylene	22.6		µg/l		20.0		113	70-130	3.48	25
Tetrahydrofuran	20.3		µg/l		20.0		102	70-130	3.85	25
Ethyl ether	25.7		µg/l		20.0		128	57.2-135	4.58	50
Tert-amyl methyl ether	18.7		µg/l		20.0		93.5	70-130	8.70	25
Ethyl tert-butyl ether	23.3		µg/l		20.0		116	70-130	11.4	25
Di-isopropyl ether	21.7		µg/l		20.0		108	70-130	10.5	25
Tert-Butanol / butyl alcohol	186		µg/l		200		93.0	70-130	2.17	25
1,4-Dioxane	184		µg/l		200		92.0	41.5-136	3.31	25
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/l		*50.0*		*99.0*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/l		*50.0*		*94.2*	*70-130*		
Matrix Spike (6121493-MS1) **Source: SA55629-15**										
Prepared & Analyzed: 19-Dec-06										
Benzene	410	QM7	µg/l		20.0	406	20.0	70-130		
Chlorobenzene	19.3		µg/l		20.0	BRL	96.5	70-130		
1,1-Dichloroethene	22.6		µg/l		20.0	BRL	113	70-130		
Toluene	172	QM7	µg/l		20.0	159	65.0	70-130		
Trichloroethene	19.0		µg/l		20.0	BRL	95.0	70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l		*50.0*		*98.8*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/l		*50.0*		*94.2*	*70-130*		
Matrix Spike Dup (6121493-MSD1) **Source: SA55629-15**										
Prepared & Analyzed: 19-Dec-06										
Benzene	449	QM7	µg/l		20.0	406	215	70-130	166	30
Chlorobenzene	23.1		µg/l		20.0	BRL	116	70-130	18.4	30
1,1-Dichloroethene	29.6	QM7	µg/l		20.0	BRL	148	70-130	26.8	30
Toluene	186	QM7	µg/l		20.0	159	135	70-130	70.0	30
Trichloroethene	22.7		µg/l		20.0	BRL	114	70-130	18.2	30
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/l		*50.0*		*95.6*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.6*		µg/l		*50.0*		*97.2*	*70-130*		
Surrogate: Dibromofluoromethane	*46.8*		µg/l		*50.0*		*93.6*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121430 - SW846 3510C										
Blank (6121430-BLK1)										
Prepared & Analyzed: 19-Dec-06										
C9-C18 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL	U	mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL	U	mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL	U	mg/l	0.2						
Naphthalene	BRL	U	µg/l	1.00						
2-Methylnaphthalene	BRL	U	µg/l	1.00						
Acenaphthylene	BRL	U	µg/l	1.00						
Acenaphthene	BRL	U	µg/l	1.00						
Fluorene	BRL	U	µg/l	1.00						
Phenanthrene	BRL	U	µg/l	1.00						
Anthracene	BRL	U	µg/l	1.00						
Fluoranthene	BRL	U	µg/l	1.00						
Pyrene	BRL	U	µg/l	1.00						
Benzo (a) anthracene	BRL	U	µg/l	1.00						
Chrysene	BRL	U	µg/l	1.00						
Benzo (b) fluoranthene	BRL	U	µg/l	1.00						
Benzo (k) fluoranthene	BRL	U	µg/l	1.00						
Benzo (a) pyrene	BRL	U	µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	0.500						
Dibenzo (a,h) anthracene	BRL	U	µg/l	0.500						
Benzo (g,h,i) perylene	BRL	U	µg/l	1.00						
n-Hexadecane	0.00	U	µg/l							
n-Tetradecane	0.00	U	µg/l							
n-Eicosane	0.00	U	µg/l							
n-Nonadecane	0.00	U	µg/l							
n-Octacosane	0.00	U	µg/l							
Naphthalene (aliphatic fraction)	0.00	U	µg/l							
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l							
Surrogate: 1-Chlorooctadecane	*25.6*		µg/l		*50.0*		*51.2*	*40-140*		
Surrogate: Ortho-Terphenyl	*26.3*		µg/l		*50.0*		*52.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*25.5*		µg/l		*40.0*		*63.8*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*26.6*		µg/l		*40.0*		*66.5*	*40-140*		
LCS (6121430-BS1)										
Prepared & Analyzed: 19-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.303		mg/l	0.2	0.600		50.5	40-140		
C19-C36 Aliphatic Hydrocarbons	0.423		mg/l	0.2	0.800		52.9	40-140		
C11-C22 Aromatic Hydrocarbons	0.920		mg/l	0.2	1.70		54.1	40-140		
Naphthalene	41.5		µg/l	1.00	100		41.5	40-140		
2-Methylnaphthalene	49.4		µg/l	1.00	100		49.4	40-140		
Acenaphthylene	51.4		µg/l	1.00	100		51.4	40-140		
Acenaphthene	53.3		µg/l	1.00	100		53.3	40-140		
Fluorene	55.7		µg/l	1.00	100		55.7	40-140		
Phenanthrene	58.4		µg/l	1.00	100		58.4	40-140		
Anthracene	58.4		µg/l	1.00	100		58.4	40-140		
Fluoranthene	59.8		µg/l	1.00	100		59.8	40-140		
Pyrene	60.0		µg/l	1.00	100		60.0	40-140		
Benzo (a) anthracene	68.7		µg/l	1.00	100		68.7	40-140		
Chrysene	59.0		µg/l	1.00	100		59.0	40-140		
Benzo (b) fluoranthene	52.9		µg/l	1.00	100		52.9	40-140		
Benzo (k) fluoranthene	62.3		µg/l	1.00	100		62.3	40-140		
Benzo (a) pyrene	61.6		µg/l	0.200	100		61.6	40-140		
Indeno (1,2,3-cd) pyrene	65.4		µg/l	0.500	100		65.4	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121430 - SW846 3510C										
LCS (6121430-BS1)										
Prepared & Analyzed: 19-Dec-06										
Dibenzo (a,h) anthracene	64.9		µg/l	0.500	100		64.9	40-140		
Benzo (g,h,i) perylene	67.4		µg/l	1.00	100		67.4	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*21.8*		µg/l		*50.0*		*43.6*	*40-140*		
Surrogate: Ortho-Terphenyl	*29.8*		µg/l		*50.0*		*59.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*29.3*		µg/l		*40.0*		*73.2*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*29.0*		µg/l		*40.0*		*72.5*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
Fractionation Check Standard (612										
Prepared & Analyzed: 19-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.425		mg/l	0.2	0.600		70.8	40-140		
C19-C36 Aliphatic Hydrocarbons	0.503		mg/l	0.2	0.800		62.9	40-140		
C11-C22 Aromatic Hydrocarbons	1.33		mg/l	0.2	1.70		78.2	40-140		
Naphthalene	62.0		µg/l	1.00	100		62.0	40-140		
2-Methylnaphthalene	65.4		µg/l	1.00	100		65.4	40-140		
Acenaphthylene	71.2		µg/l	1.00	100		71.2	40-140		
Acenaphthene	73.5		µg/l	1.00	100		73.5	40-140		
Fluorene	75.6		µg/l	1.00	100		75.6	40-140		
Phenanthrene	77.7		µg/l	1.00	100		77.7	40-140		
Anthracene	76.5		µg/l	1.00	100		76.5	40-140		
Fluoranthene	79.8		µg/l	1.00	100		79.8	40-140		
Pyrene	80.3		µg/l	1.00	100		80.3	40-140		
Benzo (a) anthracene	79.1		µg/l	1.00	100		79.1	40-140		
Chrysene	80.8		µg/l	1.00	100		80.8	40-140		
Benzo (b) fluoranthene	81.5		µg/l	1.00	100		81.5	40-140		
Benzo (k) fluoranthene	88.2		µg/l	1.00	100		88.2	40-140		
Benzo (a) pyrene	91.4		µg/l	0.200	100		91.4	40-140		
Indeno (1,2,3-cd) pyrene	99.9		µg/l	0.500	100		99.9	40-140		
Dibenzo (a,h) anthracene	98.8		µg/l	0.500	100		98.8	40-140		
Benzo (g,h,i) perylene	102		µg/l	1.00	100		102	40-140		
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		
Surrogate: 1-Chlorooctadecane	*31.3*		µg/l		*50.0*		*62.6*	*40-140*		
Surrogate: Ortho-Terphenyl	*40.3*		µg/l		*50.0*		*80.6*	*40-140*		
Surrogate: 2-Bromonaphthalene	*31.1*		µg/l		*40.0*		*77.8*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*32.2*		µg/l		*40.0*		*80.5*	*40-140*		
LCS Dup (6121430-BSD1)										
Prepared & Analyzed: 19-Dec-06										
C9-C18 Aliphatic Hydrocarbons	0.349		mg/l	0.2	0.600		58.2	40-140	14.2	25
C19-C36 Aliphatic Hydrocarbons	0.468		mg/l	0.2	0.800		58.5	40-140	10.1	25
C11-C22 Aromatic Hydrocarbons	0.800		mg/l	0.2	1.70		47.1	40-140	13.8	25
Naphthalene	37.0	QC1	µg/l	1.00	100		37.0	40-140	11.5	20
2-Methylnaphthalene	43.2		µg/l	1.00	100		43.2	40-140	13.4	20
Acenaphthylene	46.6		µg/l	1.00	100		46.6	40-140	9.80	20
Acenaphthene	47.5		µg/l	1.00	100		47.5	40-140	11.5	20
Fluorene	51.0		µg/l	1.00	100		51.0	40-140	8.81	20
Phenanthrene	53.8		µg/l	1.00	100		53.8	40-140	8.20	20
Anthracene	53.2		µg/l	1.00	100		53.2	40-140	9.32	20
Fluoranthene	55.3		µg/l	1.00	100		55.3	40-140	7.82	20
Pyrene	55.7		µg/l	1.00	100		55.7	40-140	7.43	20
Benzo (a) anthracene	54.9	QR2	µg/l	1.00	100		54.9	40-140	22.3	20

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121430 - SW846 3510C										
LCS Dup (6121430-BSD1)										
Prepared & Analyzed: 19-Dec-06										
Chrysene	53.9		µg/l	1.00	100		53.9	40-140	9.03	20
Benzo (b) fluoranthene	56.5		µg/l	1.00	100		56.5	40-140	6.58	20
Benzo (k) fluoranthene	57.2		µg/l	1.00	100		57.2	40-140	8.54	20
Benzo (a) pyrene	57.0		µg/l	0.200	100		57.0	40-140	7.76	20
Indeno (1,2,3-cd) pyrene	60.9		µg/l	0.500	100		60.9	40-140	7.13	20
Dibenzo (a,h) anthracene	60.7		µg/l	0.500	100		60.7	40-140	6.69	20
Benzo (g,h,i) perylene	63.4		µg/l	1.00	100		63.4	40-140	6.12	20
Naphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		200
2-Methylnaphthalene (aliphatic fraction)	0.00	U	µg/l		100			0-200		200
Surrogate: 1-Chlorooctadecane	*28.2*		µg/l		*50.0*		*56.4*	*40-140*		
Surrogate: Ortho-Terphenyl	*27.5*		µg/l		*50.0*		*55.0*	*40-140*		
Surrogate: 2-Bromonaphthalene	*23.0*		µg/l		*40.0*		*57.5*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*26.0*		µg/l		*40.0*		*65.0*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121393 - SW846 3005A										
Blank (6121393-BLK1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Selenium	BRL	U	mg/l	0.0150						
Lead	BRL	U	mg/l	0.0075						
Zinc	0.0048	J	mg/l	0.0050						
Nickel	BRL	U	mg/l	0.0050						
Antimony	0.0018	J	mg/l	0.0150						
Beryllium	BRL	U	mg/l	0.0020						
Silver	BRL	U	mg/l	0.0050						
Boron	0.0142	J	mg/l	0.0500						
Cadmium	0.0002	J	mg/l	0.0025						
Chromium	BRL	U	mg/l	0.0050						
Copper	0.0017	J	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0040						
LCS (6121393-BS1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Nickel	0.486		mg/l	0.0050	0.500		97.2	85-115		
Selenium	0.479		mg/l	0.0150	0.500		95.8	85-115		
Antimony	0.463		mg/l	0.0150	0.500		92.6	85-115		
Lead	0.486		mg/l	0.0075	0.500		97.2	85-115		
Zinc	0.526		mg/l	0.0050	0.500		105	85-115		
Beryllium	0.514		mg/l	0.0020	0.500		103	85-115		
Arsenic	0.477		mg/l	0.0040	0.500		95.4	85-115		
Copper	0.510		mg/l	0.0050	0.500		102	85-115		
Chromium	0.520		mg/l	0.0050	0.500		104	85-115		
Boron	0.438		mg/l	0.0500	0.500		87.6	85-115		
Cadmium	0.506		mg/l	0.0025	0.500		101	85-115		
Silver	0.453		mg/l	0.0050	0.500		90.6	85-115		
LCS Dup (6121393-BSD1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Lead	0.465		mg/l	0.0075	0.500		93.0	85-115	4.42	20
Antimony	0.444		mg/l	0.0150	0.500		88.8	85-115	4.19	20
Zinc	0.523		mg/l	0.0050	0.500		105	85-115	0.572	20
Selenium	0.463		mg/l	0.0150	0.500		92.6	85-115	3.40	20
Nickel	0.468		mg/l	0.0050	0.500		93.6	85-115	3.77	20
Copper	0.503		mg/l	0.0050	0.500		101	85-115	1.38	20
Chromium	0.511		mg/l	0.0050	0.500		102	85-115	1.75	20
Beryllium	0.504		mg/l	0.0020	0.500		101	85-115	1.96	20
Cadmium	0.484		mg/l	0.0025	0.500		96.8	85-115	4.44	20
Boron	0.421	QC3	mg/l	0.0500	0.500		84.2	85-115	3.96	20
Arsenic	0.454		mg/l	0.0040	0.500		90.8	85-115	4.94	20
Silver	0.436		mg/l	0.0050	0.500		87.2	85-115	3.82	20
Duplicate (6121393-DUP1) **Source: SA55666-01**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Zinc	0.0340		mg/l	0.0050		0.0347			2.04	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Antimony	BRL	U	mg/l	0.0150		BRL				20
Lead	BRL	U	mg/l	0.0075		BRL				20
Nickel	0.0262		mg/l	0.0050		0.0264			0.760	20
Chromium	0.0034	J	mg/l	0.0050		0.0033			2.99	20
Silver	BRL	U	mg/l	0.0050		0.0008				20
Copper	0.0231		mg/l	0.0050		0.0229			0.870	20
Arsenic	0.0144		mg/l	0.0040		0.0120			18.2	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121393 - SW846 3005A										
Duplicate (6121393-DUP1) **Source: SA55666-01**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Boron	0.0301	J	mg/l	0.0500		0.0290			3.72	20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Matrix Spike (6121393-MS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Lead	0.432		mg/l	0.0075	0.500	BRL	86.4	75-125		
Zinc	0.500		mg/l	0.0050	0.500	0.0316	93.7	75-125		
Antimony	0.429		mg/l	0.0150	0.500	0.0008	85.6	75-125		
Nickel	0.441		mg/l	0.0050	0.500	0.0130	85.6	75-125		
Selenium	0.445		mg/l	0.0150	0.500	BRL	89.0	75-125		
Beryllium	0.462		mg/l	0.0020	0.500	BRL	92.4	75-125		
Copper	0.489		mg/l	0.0050	0.500	0.0116	95.5	75-125		
Silver	0.424		mg/l	0.0050	0.500	BRL	84.8	75-125		
Chromium	0.466		mg/l	0.0050	0.500	BRL	93.2	75-125		
Arsenic	0.454		mg/l	0.0040	0.500	0.0123	88.3	75-125		
Boron	0.472		mg/l	0.0500	0.500	0.0648	81.4	75-125		
Cadmium	0.459		mg/l	0.0025	0.500	BRL	91.8	75-125		
Matrix Spike Dup (6121393-MSD1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Nickel	0.471		mg/l	0.0050	0.500	0.0130	91.6	75-125	6.58	20
Antimony	0.456		mg/l	0.0150	0.500	0.0008	91.0	75-125	6.10	20
Zinc	0.544		mg/l	0.0050	0.500	0.0316	102	75-125	8.43	20
Selenium	0.473		mg/l	0.0150	0.500	BRL	94.6	75-125	6.10	20
Lead	0.456		mg/l	0.0075	0.500	BRL	91.2	75-125	5.41	20
Copper	0.522		mg/l	0.0050	0.500	0.0116	102	75-125	6.53	20
Arsenic	0.483		mg/l	0.0040	0.500	0.0123	94.1	75-125	6.19	20
Silver	0.448		mg/l	0.0050	0.500	BRL	89.6	75-125	5.50	20
Boron	0.499		mg/l	0.0500	0.500	0.0648	86.8	75-125	5.56	20
Chromium	0.495		mg/l	0.0050	0.500	BRL	99.0	75-125	6.04	20
Cadmium	0.482		mg/l	0.0025	0.500	BRL	96.4	75-125	4.89	20
Beryllium	0.498		mg/l	0.0020	0.500	BRL	99.6	75-125	7.50	20
Post Spike (6121393-PS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Zinc	0.562		mg/l	0.0050	0.500	0.0316	106	80-120		
Antimony	0.419		mg/l	0.0150	0.500	0.0008	83.6	80-120		
Lead	0.475		mg/l	0.0075	0.500	BRL	95.0	80-120		
Selenium	0.493		mg/l	0.0150	0.500	BRL	98.6	80-120		
Nickel	0.492		mg/l	0.0050	0.500	0.0130	95.8	80-120		
Silver	0.510		mg/l	0.0050	0.500	BRL	102	80-120		
Chromium	0.511		mg/l	0.0050	0.500	BRL	102	80-120		
Arsenic	0.504		mg/l	0.0040	0.500	0.0123	98.3	80-120		
Boron	0.511		mg/l	0.0500	0.500	0.0648	89.2	80-120		
Cadmium	0.500		mg/l	0.0025	0.500	BRL	100	80-120		
Copper	0.541		mg/l	0.0050	0.500	0.0116	106	80-120		
Beryllium	0.518		mg/l	0.0020	0.500	BRL	104	80-120		
Batch 6121394 - SW846 3005A										
Blank (6121394-BLK1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.00003	J	mg/l	0.0002						

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121394 - SW846 3005A										
LCS (6121394-BS1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.478		mg/l	0.0025	0.500		95.6	85-115		
LCS Dup (6121394-BSD1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.480		mg/l	0.0025	0.500		96.0	85-115	0.418	20
Duplicate (6121394-DUP1) **Source: SA55666-01**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.0001	QR1, J	mg/l	0.0002		0.0004			120	20
Matrix Spike (6121394-MS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.443		mg/l	0.0025	0.500	0.00005	88.6	75-125		
Matrix Spike Dup (6121394-MSD1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.457		mg/l	0.0025	0.500	0.00005	91.4	75-125	3.11	20
Post Spike (6121394-PS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Thallium	0.478		mg/l	0.0025	0.500	0.00005	95.6	75-125		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6121395 - EPA200/SW7000 Series										
Blank (6121395-BLK1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	0.00006	J	mg/l	0.00020						
LCS (6121395-BS1)										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	0.00239		mg/l	0.00020	0.00250		95.6	80-120		
Duplicate (6121395-DUP1) **Source: SA55666-01**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (6121395-MS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	0.00226		mg/l	0.00020	0.00250	0.00004	88.8	75-125		
Matrix Spike Dup (6121395-MSD1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	0.00242		mg/l	0.00020	0.00250	0.00004	95.2	75-125	6.84	20
Post Spike (6121395-PS1) **Source: SA55666-03**										
Prepared: 20-Dec-06 Analyzed: 21-Dec-06										
Mercury	0.00220		mg/l	0.00020	0.00250	0.00004	86.4	75-125		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0612164				
Calibration Check (0612164-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.02587E+08	1.17	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.86812E+08	-3.50	25.00
C11-C22 Aromatic Hydrocarbons	25.6761	13.6212	-14.7	25.00
Naphthalene	5.86796	5.96116	1.59	20.00
2-Methylnaphthalene	3.72202	3.65895	-1.69	20.00
Acenaphthylene	6.15021	6.18572	0.577	20.00
Acenaphthene	3.71338	3.70348	-0.267	20.00
Fluorene	4.31266	4.21462	-2.27	20.00
Phenanthrene	5.83802	5.66665	-2.94	20.00
Anthracene	6.11158	5.96463	-2.40	20.00
Fluoranthene	6.17256	5.90297	-4.37	20.00
Pyrene	6.42903	6.07991	-5.43	20.00
Benzo (a) anthracene	5.61122	5.12903	-8.59	20.00
Chrysene	5.73772	5.23687	-8.73	20.00
Benzo (b) fluoranthene	4.91609	4.43061	-9.88	20.00
Benzo (k) fluoranthene	5.76614	5.30794	-7.95	20.00
Benzo (a) pyrene	4.6451	4.41259	-5.01	20.00
Indeno (1,2,3-cd) pyrene	5.28542	5.44749	3.07	20.00
Dibenzo (a,h) anthracene	4.42558	4.54299	2.65	20.00
Benzo (g,h,i) perylene	4.63715	4.83317	4.23	20.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0612186				
Calibration Check (0612186-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.51092E+08	2.09183E+08	4.67	25.00
C19-C36 Aliphatic Hydrocarbons	3.56657E+08	1.9622E+08	2.88	25.00
C11-C22 Aromatic Hydrocarbons	25.6761	13.8319	-12.9	25.00
Naphthalene	5.86796	5.99657	2.19	20.00
2-Methylnaphthalene	3.72202	3.69007	-0.858	20.00
Acenaphthylene	6.15021	6.09122	-0.959	20.00
Acenaphthene	3.71338	3.71331	-0.00189	20.00
Fluorene	4.31266	4.17193	-3.26	20.00
Phenanthrene	5.83802	5.54504	-5.02	20.00
Anthracene	6.11158	5.79579	-5.17	20.00
Fluoranthene	6.17256	5.79394	-6.13	20.00
Pyrene	6.42903	6.02147	-6.34	20.00
Benzo (a) anthracene	5.61122	5.15147	-8.19	20.00
Chrysene	5.73772	5.15435	-10.2	20.00
Benzo (b) fluoranthene	4.91609	5.40778	10.0	20.00
Benzo (k) fluoranthene	5.76614	5.29943	-8.09	20.00
Benzo (a) pyrene	4.6451	4.62676	-0.395	20.00
Indeno (1,2,3-cd) pyrene	5.28542	5.86727	11.0	20.00
Dibenzo (a,h) anthracene	4.42558	4.84904	9.57	20.00
Benzo (g,h,i) perylene	4.63715	5.22896	12.8	20.00

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
NFTC	None found
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC3	The spike recovery is outside acceptable limits for the LCS. The batch was accepted based upon the MS and/or MSD meeting the LCS limits criteria.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
U	Analyte included in the analysis, but not detected
V11	Analyte presence was confirmed by duplicate analysis.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA55666					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes ☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes ☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes ☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 12/26/2006

SA 55666

Chain Of Custody/Analysis Request Form

YNPS- Rowe, DPF-8123.1

MACTEC
Amanda Zeidler
207 828-3629

Lab: SPECTRUM

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size and Material		Preservative	Media	Method	Fraction
55666 01 418	12/14/2006	15:10	MW-101A	1							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
02 422	12/11/2006	13:36	FD001	1							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
03 423	12/11/2006	13:36	MS001-MW-107A	1							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
03 424	12/11/2006	13:36	MSD001-MW-107A	1							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
03 425	12/11/2006	13:36	MW-107A	1							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
04 439	12/14/2006	17:00	EB-501	7							
				1	500	mL	HDPE	HNO3, 4 Deg C	GW	Total PP13 Metals + boron -6010B/7470A	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				2	1	Liter	Amber Glass	HCL, 4 Deg C	GW	EPH - MADEP	T
				2	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs with TICs reported - 8260B	T

55666

Sample #	Sample Date	Sample Time	Field Sample ID	Qty / Each	Total	Bottle Size	and Material	Preservative	Media	Method	Fraction
55666-05 442	12/14/2006	17:30	TB-503	2							
				1	40	mL	Glass Vials	HCL, 4 Deg C	GW	VPH - MADEP	T
				1	40	mL	Glass Vials	HCL, 4 Deg C	GW	VOCs - 8260B	T

SDG Number: ~~S013~~ Start Date: 12/5/2006 End Date: 12/14/2006

* Extra Metals = Barium, Iron and Maganese

~~Relinquished:~~ _____ Date: 12/14/2006 Time: 1930

Received: Rene P. Arbaiza Date: 12/14/06 Time: 1930

RELINQUISHED Rene P. Arbaiza 12/15/06 1030

RECEIVED [signature] 12/15/06 1035

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ABC	Asphalt, Brick, and Concrete
ALARA	As Low As Reasonably Achievable
AMDA	Alternate Method of Disposal Approval
ANRAD	Abbreviated Notice of Resource Area Delineation
AOC	Area of Concern
AOR	Abnormal Occurrence Report
AREOR	Annual Radiological Environmental Operating Report
ASTs	Aboveground Storage Tanks
AUL	Activity and Use Limitation
BUD	Beneficial Use Determination
CAD	Corrective Action Design
CFR	Code of Federal Regulations
CMR	Code of Massachusetts Regulations
COC	Contaminant of Concern
CR	Condition Report
CSA	Comprehensive Site Assessment
DCE	1,1-dichloroethene
DCGL	Derived Concentration Guideline Level
DEHP	bis(2-ethylhexyl)phthalate
DOD	Department of Defense
DOE	Department of Energy
DPH	Department of Public Health
Dpm	Disintegration per minute
DRO	Diesel Range Organics
ECFA	East Construction Fill Area
EDCR	Engineering Design Change Request
EENF	Expanded Environmental Notification Form
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbon
ERAMS	Environmental Radiation Ambient Monitoring System
ERM	Environmental Resources Management
FANP	Framatome-ANP Laboratory
FID	Flame Ionization Detector
FSS	Final Status Survey
GRO	Gasoline Range Organics
GTCC	Greater Than Class C
HPGe	High Purity Germanium
HSA	Historical Site Assessment
ISFSI	Independent Spent Fuel Storage Installation
IX	Ion Exchange
LER	Licensee Event Report
LPST	Low Pressure Surge Tank

LSP	Licensed Site Professional
LTP	License Termination Plan
MADEP	Massachusetts Department of Environmental Protection
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
mCi/ml	millicurrie per milliliter
MCL	Maximum Contaminant Level
MCP	Massachusetts Contingency Plan
MDC	Minimum Detected Concentration
mg/kg	Milligrams per kilogram (approximately equivalent to parts per million or ppm)
mR/hr	Millirad per hour
mrad/hr	Millirad per hour
mrem/yr	Millirems per year
N&SDR	North&South Decon Room
NAAQS	National Ambient Air Quality Standards
NIST MAP	National Institute of Standards and Technology Measurement Assurance Program
NRC	Nuclear Regulatory Commission
NST	Neutron Shield Tank
OHM	Oil and Hazardous Materials
PAB	Primary Auxiliary Building
PAHs	Polycyclic Aromatic Hydrocarbons
PCA	Potentially Contaminated Area
PCBs	Polychlorinated Biphenyls
pCi/L	picocuries per liter
pCi/g	picocuries per gram
pg/g	picograms per gram
PIR	Plant Incident Report
ppm	Parts per million
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAM	Release Abatement Measure
RAO	Release Abatement Outcome
RBDAA	Risk-Based Disposal Approval Application
RCs	Reportable Concentrations
RCA	Radiologically Controlled Area
REMP	Radiological Environmental Monitoring Program
RETS	Radiological Environmental Technical Specifications
RIR	Radiological Incident Reports
ROR	Radiological Occurrence Report
RSCS	Radiation Safety Control Services
SCFA	Southeast Construction Fill Area
SCPP	Site Closure Project Plan

SFP	Spent Fuel Pool
SI/DG	Safety Injection/Diesel Generator
SSCs	Systems, Structures & Components
SVOC	Semi-Volatile Organic Compound
TCA	1,1,1-trichloroethane
TEQ	Total Equivalent Quantity
TPH	Total Petroleum Hydrocarbon
ug/kg	micrograms per kilogram
USTs	Underground Storage Tanks
VC	Vapor Container
VOC	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbon
YAEC	Yankee Atomic Electric Company
YNPS	Yankee Nuclear Power Station

1.0 INTRODUCTION

1.1 BACKGROUND

The Yankee Nuclear Power Station (YNPS) is located on an approximately 1,800-acre property at 49 Yankee Road in Rowe, Massachusetts (Figure 1). Yankee Atomic Electric Company (YAEC), owner and operator of YNPS, ceased commercial power generation activities in 1992 and is decommissioning the plant. In October 2003, YAEC released a Site Closure Project Plan (SCPP) to the public and various regulatory and non-regulatory stakeholders. The SCPP outlines the process and permitting by which YAEC will complete the decommissioning, environmental investigation, environmental remediation, site closure, and post-closure property transfer of YNPS. The SCPP has been updated to incorporate stakeholder comments since it's initial issuance. As outlined in the SCPP, YAEC's goals are to:

- Complete the majority of decommissioning and physical site closure activities at the site by mid-2005.
- Achieve radiological and non-radiological site closure in a safe, responsible, reliable, and beneficial manner.
- Integrate stakeholder requirements and interests into the project planning and implementation process to optimize efficiency, avoid duplication of efforts, and facilitate acceptance by both regulatory and non-regulatory stakeholders.
- Where feasible, restore the site to environmental quality standards that will enable future unrestricted use of the site.
- Safely manage the spent nuclear fuel on-site until such time that the Department of Energy (DOE) satisfies it's legal obligation to remove the spent fuel and Greater Than Class C (GTCC) wastes to a permanent off-site storage facility.

On behalf of Yankee Atomic Electric Company (YAEC), Environmental Resources Management (ERM), in coordination with Gradient Corporation (Gradient), Radiation Safety Control Services (RSCS) and C.N. Associates, has prepared this Phase II-Comprehensive Site Assessment (Phase II) Report for the YNPS site.

1.2 *PURPOSE & SCOPE*

This Phase II Report was prepared at the request of the Massachusetts Department of Environmental Protection (MADEP/Department) to summarize:

- Likely/known sources of release of radioactivity, oil, and/or hazardous materials (OHM) to the environment.
- YAEC's rationale for selection of radioactive/OHM constituents/chemicals of concern (COCs) and areas/media targeted for investigation.
- Results of investigation and testing to identify the nature and extent of contamination in potentially affected media (soil, groundwater, surface water, sediment, air, fish and food stocks such as syrup and milk).
- Ongoing/scheduled investigations and/or remedial actions.

At the Department's request, this Phase II Report is intended to be a summary document and thereby relies on more detailed supporting characterization documentation referenced in Appendix A (available at Greenfield Community College Library and at www.yankee.com). This Phase II is applicable to the entire "YNPS site" defined as that location in the environment where plant-related radioactivity and/or OHM have come to be located in the environment (i.e., at levels exceeding those naturally occurring, or background, including anthropogenic influences).

This Phase II is submitted in partial fulfillment of the requirements of the Massachusetts Contingency Plan (MCP), Code of Massachusetts Regulations (310 CMR 40.0000) for a Phase II-Comprehensive Site Assessment (Phase II) Report pursuant to 310 CMR 40.0883, but excludes characterization of the potential risk of harm to human health, safety, public welfare and the environment at this time (as required under 310 CMR 40.0995). A risk characterization will be prepared following completion of remedial actions at the site to document that residual radioactivity and/or OHM remaining at the site following closure meeting applicable risk management criteria for protection of human health, safety, public welfare and the environment.

As site decommissioning, assessment and remediation continues, it is YAEC's expectation that this Phase II will provide a basis for the Department to provide YAEC appropriate guidance as applicable to complete ongoing and future assessment and remedial actions necessary for YAEC to achieve closure of the site in a safe, responsible, reliable and beneficial manner.

2.0 IDENTIFICATION OF SOURCES, CONSTITUENTS OF CONCERN & STUDY AREAS

2.1 IDENTIFICATION OF SOURCES

2.1.1 Site Radiological Sources

Normal plant operations were expected to result in contamination of certain areas of the site and these areas were designed to contain such material. However, during the history of plant operations, certain events and conditions resulted in radioactive material being deposited in other locations within the plant. As a result, the plant design and operational procedures evolved to accommodate or eliminate these circumstances. These events were categorized as "Planned" release events, because they were associated with normal plant operations and were expected to result in impacts to plant structures.

The principal events and circumstances, listed in chronological order in Table 1, contributed to the residual contamination that needs to be addressed during decommissioning. It should be noted that these events relate to the plant operational history and affected general plant radiological conditions and not specific plant locations. These events and their consequences, as well as an understanding of radiological conditions for the plant as a whole were among the factors considered when classifying the plant areas for the Final Status Survey (FSS).

A comprehensive review of all recorded events documented as having occurred outside the normal operational condition of the plant was also performed to capture those events that contributed to radiological contamination of the site. These events are summarized in Table 2. These events were typically documented in the format suitable for reporting to regulatory authorities such as Abnormal Occurrence Reports (AOR's), submitted during the early site history, and Plant Incident Reports (PIR's) or Licensee Event Reports (LER's), submitted through the remainder of plant operation. Where available, the information in these reports was supplemented by supporting documentation concerning the events in the form of plant memos and radiological survey data.

2.1.1.1 *Unplanned Gaseous Releases*

Over the lifetime of the plant, a number of unplanned gaseous release events occurred. Short descriptions of these gaseous events as described in AOR/PIR/LER's are documented in the HSA. A careful review of these unplanned discharges did not reveal any unmonitored particulate component that could have significantly contributed to the long-term contamination of the site or its environs.

2.1.1.2 *Unplanned Liquid Releases*

Several AOR's and PIR's reviewed documented unplanned liquid releases that resulted in contamination of the site grounds, buildings, and subsurface locations. When subsurface investigations were not performed due to inaccessibility, or were not completed to the level suitable for license termination, these locations were targeted for continuing characterization during the FSS. Table 3 provides a listing of the events identified that have resulted in radioactive contamination of the site, including a brief summary of each event based on the documentation prepared at the time of the incidents and an assessment of which survey areas (to be investigated during decommissioning and FSS) were impacted by the events.

2.1.2 *Site Sources of Oil and/or Hazardous Materials Release*

The YNPS plant used a variety of chemicals in the course of routine operations. A summary of the materials/chemicals used and stored is provided in Table 4.

2.2 *IDENTIFICATION OF CONSTITUENTS OF CONCERN*

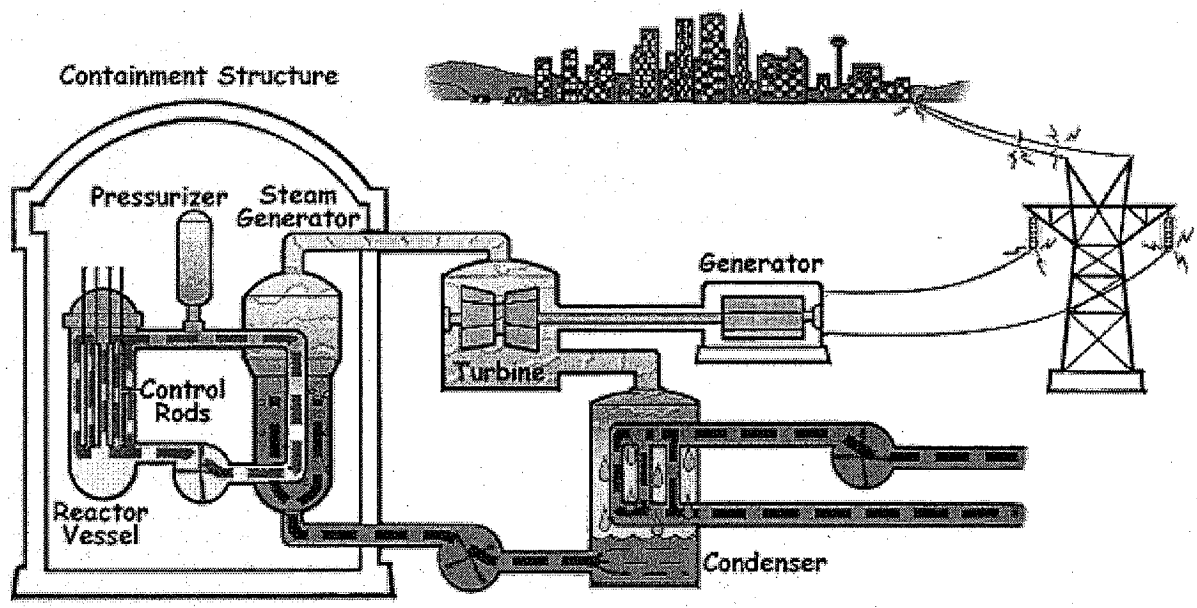
2.2.1 *Radiological*

2.2.1.1 *Fission Radionuclides*

The operation of a nuclear reactor results in the creation of two types of radionuclides; fission and activation products. Fission products are the direct result of U-235 absorbing a thermal neutron and splitting (fissioning) into two smaller nuclear fragments, each of which has an excess of neutrons. The resultant fragments initially have a significant amount of kinetic energy, but due to their mass do not travel outside the confines of the fuel pellet. When the fragments stop, they lose their kinetic energy by transferring it to the medium they are in (i.e., heating the reactor coolant). The fragments are still radioactive and can decay by

either negatron or neutron emission in order to reach a stable nuclear configuration. The additional neutrons (referred to as delayed neutron emission) become available to induce more fission reaction events at some distance from the initial reaction site.

Most of the fission events occur within the nuclear fuel pins that comprise a nuclear fuel element, which in turn are a component of a nuclear reactor core. Each pin is designed to keep the fission products within their stainless steel-welded container once they are created. Occasionally during reactor operations, some of these fuel pins (much less than one percent) develop a defect. When this failure occurs, some of the fission fragments enter the circulating water of the reactor coolant system.



The fission fragments created during the fission process can be atoms with an atomic mass number that ranges from approximately 70 to 160 with predominant nuclides at approximately 95 and 139. Most of the radioactive fission products have short half-lives and decay by the emission of a beta particle. Most of the beta decays are accompanied by the near spontaneous emission of a gamma ray. A small fraction of fission radionuclides have half-lives greater than one year. A listing of some common fission products is provided in Table 5 sorted by half-life.

2.2.1.2 *Activation Radionuclides*

Non-Transuranics

A discussed above, each fission event causes the emission of "free neutrons" from each event. In fact, on average each fission event emits 2.5 neutrons. Some of these neutrons go on to cause other fission events while others interact with other materials in or around the reactor core. The interaction of neutrons with other non-radioactive material often results in the "activation" of a stable atom. The neutron interaction can occur by direct bombardment of metal components near the core, or it can occur with corrosion products carried in the reactor coolant as they travel through the core. For instance, if a neutron is absorbed by Co-59, the creation of Co-60 results which is a radioactive form of cobalt that decays by beta emission with a half-life of 5.26 years. In this example, Co-59 is a normal constituent of the steel alloys contained within the material that make up and surround the reactor core.

Activation products can be created from stable atoms that are contained within the circulating reactor coolant since this coolant passes through the reactor core where a high population of neutrons are present during reactor operations. Some of these stable atoms result from corrosion and wear products from the operation of valves and pumps that are part of the reactor coolant system. A listing of some common *non-transuranic* activation radionuclides is provided in Table 6 sorted by half-life.

Two of the radionuclides listed in Table 6 are activation products that come from sources other than metallic components. Tritium (^{3}H) results from the neutron interaction with boric acid (added as a neutron moderator) and lithium (an added pH control agent). Carbon-14 is formed as a result of activation of ^{14}N (from trace concentrations of dissolved nitrogen) and ^{17}O (from the water molecules).

Transuranics

One additional type of activation product results in the activation of U-238 and its resultant activation products. Of the total uranium contained in a typical reactor core, approximately three percent is U-235 (the fissionable form) and 97 percent is U-238. Some of the fission neutrons interact with the predominant U-238 resulting in U-239 and then Np-239 by beta decay and then Pu-239 by beta decay. These activation products may again absorb a neutron creating other radioactive elements with atomic numbers greater than uranium (92), commonly referred to as transuranic radionuclides. Most of the transuranic radionuclides have short half-lives and decay by alpha particle emission. These activation products are

usually insoluble materials and generally remain within the reactor core except when the fuel undergoes some failures thereby allowing fission products to enter into the reactor coolant system. In the absence of fission products in areas outside of the reactor core, it is reasonable to conclude the absence of transuranic radionuclides. Table 7 lists the long-lived transuranic radionuclides that are important during reactor operations sorted by half-life.

2.2.1.3 *Naturally Occurring Radionuclides*

Naturally occurring radionuclides are present in soil, groundwater, and surface water, sediment and food stocks. These radionuclides are categorized as terrestrial or cosmic. The terrestrial radionuclides are generally contained in the earth's crust including both bedrock and soils. These terrestrial radionuclides include U-234, U-235, U-238, and Th-232. Each of these radionuclides is the first isotope in a chain of successive radionuclides until the chain ends in a stable isotope of lead. These decay chains include radioisotopes of U, Th, Pa, Ac, Ra, Rn, Po, Pb, and Bi. The decay modes of each radioisotope in the series include the emissions of alpha particles, beta particles, and gamma rays depending on the specific isotope. Also, the relative abundance of each of these radioisotopes may differ due to the various chemical properties of each element and of the specific geochemistry of the area. Because of the ubiquitous presence of these radionuclides these can be found in plants and animals as well as soils, surface water and groundwater.

The cosmic radionuclides are produced from nuclear interactions within the atmosphere principally from solar charged-particle radiation. The radionuclides produced from these cosmic sources include K-40, C-14, H-3, and Rb-87. Like the terrestrial radionuclides, these cosmic radionuclides are generally taken up within specific systems in the biosphere and can be found in soils, vegetation, animals, surface and groundwater, and bedrock.

Above ground nuclear weapons testing during the 1970's has contributed to radioactive material found in the environment, and material from this source is considered part of the measurable "background." The principal radionuclides of concern from weapons testing are Cs-137 and Sr-90, which are analyzed for during FSS and detected in some environmental samples (REMP). Differentiating the contribution from fallout versus plant operations is done by evaluating the concentrations present in unaffected areas of the site, the location of the survey area, and presence of any other plant-related radionuclides.

2.2.1.4 *LTP Radionuclide Selection in Support of Final Site Surveys*

In the development of Yankee's License Termination Plan (LTP), a defined set of radionuclides was needed in order to develop Derived Concentration Guideline Levels, or DCGLs. These levels are radionuclide specific and are calculated (modeled) by considering the future uses of the property and the available site-specific parameters including hydrogeologic, geologic and meteorological parameters. Once developed, these DCGLs are used during the final site surveys to determine the significance (or dose contribution) of radionuclides identified at the site. Materials exhibiting levels of radioactivity above applicable DCGLs are contained for off-site transportation and disposal at a licensed facility during decommissioning. Materials exhibiting very low levels of radioactivity at or below DCGLs, but still above background, will be safely managed and reused on-site in restoration. As such, it is important that the LTP list of potential radionuclides be comprehensive, yet limited to those potentially present (based on a relatively longer half-life) once decommissioning is complete.

Table 8 presents a summary of the plant-related radionuclides that were initially considered for the LTP. This all-inclusive list was developed based on the available literature and on Yankee-specific waste stream analysis during reactor operation.

The criteria used to determine a radionuclides inclusion in the LTP included:

- The radionuclides half-life and decay factor.
- Its estimated abundance in the plant waste streams.
- Its relative dose potential.

For instance, a radionuclide with a long half-life may not be included for consideration if it was never identified in any of the plant's waste streams during operations, or in the comprehensive Radiological Environmental Monitoring Program (REMP).

Evidence of radionuclides present during plant operation is supported by routine sampling of plant contamination for personnel protection purposes, for waste classification and disposal and from the routine REMP sampling. For waste classification, samples were required to be analyzed for specific radionuclides that included the LTP radionuclides. For the REMP samples, analysis of soils, vegetation, water, air, and milk was required. These analyses included gross alpha, gross beta, gamma

spectroscopy, liquid scintillation, and alpha spectroscopy, depending on the specific media. As part of developing the LTP radionuclide list, a review of all of this historical data was performed.

Twenty radionuclides have been selected for inclusion in the LTP (Table 8). These radionuclides represent the only ones expected to be present in any area of the site due to plant operations, i.e., are plant-related as opposed to naturally occurring. This selection is based on half-life, fractional abundance, and exposure potential. In addition to routine monitoring for these radionuclides, gross alpha/beta and gamma spectroscopy will verify the absence of other nuclides.

2.2.2 *Oil & Hazardous Materials (OHM)*

2.2.2.1 *Data Review and Usability Assessment*

Since the initiation of plant decommissioning activities in 1992, YAEC has conducted numerous environmental sampling programs to support the decommissioning effort. These investigations have included sampling of building surfaces and materials, soil, soil gas, groundwater, stormwater systems, surface water, sediments and fish. Samples have been analyzed for both radiological and non-radiological parameters.

The Yankee database contains sample data reported since 1997, but nonradiological data reported before 2002 were not formally validated. However, Gradient performed a data usability assessment on a subset of the historical data identified by YAEC to be critical to characterizing the Site. The data usability assessment was performed based on Quality Control (QC) information provided by YAEC. Data collected from 2003 to present have been formally validated by ERM according to EPA Region I guidance. The assessed subset of the historical data, as well as all formally validated data included in the database as of December 2004, were used in identifying the COCs for groundwater, surface water, soil, and sediment.

It is important to note that validation of the November 2004 sediment and groundwater data is incomplete at this writing and the use of validated results may alter the summary statistics Gradient generated to select the COCs for sediment and groundwater. A re-evaluation of COCs will be performed using the validated data for use in the pending risk characterization and assessment and reported in future correspondence.

2.2.2.2 *Reasonably Foreseeable Future Use of the Site*

Plant decommissioning and demolition is currently underway and all radiological systems have been removed from the plant. The spent

nuclear fuel is being stored in the Independent Spent Fuel Storage Installation (ISFSI), an on-site dry cask storage facility. Although the plant decommissioning and environmental restoration is scheduled to be completed by 2005, the YNPS license with the NRC will not be officially "terminated" until such time that the Department of Energy removes the spent fuel to permanent storage at a federally licensed storage facility (no such facility currently exists). Thus, YAEC will retain control of that portion of the site consisting of the ISFSI and former industrial area until the spent fuel is removed, and this "YAEC Retained Area" will be inaccessible to the public and subject to surveillance 24-hours a day.

Although the future status of the Site is currently not fully defined, likely use may consist of open space with some potential for recreational/limited development activities. In situations where the end use of a property has not been defined, the Massachusetts Contingency Plan (MCP) requires the evaluation of risk under a residential scenario and this scenario will form the basis of the human health risk assessment. This assumption will provide a conservative assessment, as the most likely future Site use (*e.g.*, recreational/open space) would not involve the kind of frequent exposure that would be the case under a "residential" exposure scenario.

Although a future residential exposure scenario may be hypothetically plausible for the majority of the 1,800-acre property, a deed restriction and/or Activity Use Limitation (AUL) will be enforced over that portion of the site constituting the former industrial area. In addition, as a component of the final site restoration/grading plan, a 3-foot overburden will be in place in the former industrial area. The AUL will preclude excavation without a DEP-approved soil management plan and any excavation would occur only under the oversight of a Licensed Site Professional (LSP).

2.2.2.3 *Classification of Site Soils and Site Groundwater*

Soil and groundwater at the site were categorized in accordance with 310 CMR 40.0930 as required for a Method 3 Risk Characterization. MADEP has defined three soil (S-1, S-2, S-3) and three groundwater (GW-1, GW-2, GW-3) classifications based on the nature of exposure. Soil classifications are based on accessibility of site soil, frequency of exposure, and intensity of exposure. Soil classification S-1 is based on the assumption of highest potential for exposure, while classification S-3 assumes the lowest potential for exposure. Groundwater classifications are also based on the type of potential exposure. Classification GW-1 has been established to protect against risks under the assumption that site groundwater may be used directly as a potable water source. Classification GW-2 protects

against risks associated with volatilization of compounds from shallow groundwater and infiltration into buildings through cracks and other imperfections in slabs and foundations. Finally, classification GW-3 protects against risks associated with the discharge of groundwater to surface water.

Under an assumed residential exposure scenario, the corresponding soil category would be S-1. However, as noted above, the AUL in the former industrial area will limit possible contact with soils for the industrial portion of the site. Consequently, soils within the area subject to the AUL are classified S-3. For the evaluation of recreational activities and potential exposures, contact with soil may occur, however the intensity and frequency of use is expected to be lower when compared to a residential exposure scenario. Thus, under recreational scenarios the appropriate soil category would likely be S-3 (301 CMR 40.0933).

Because the Site is located within 504 feet of an Interim Wellhead Protection Area, groundwater on the southeastern portion of the Site is characterized as GW-1 (310 CMR 40.0932). In addition, portions of the Site are characterized as GW-2 because groundwater is less than 15 feet below grade and within 30 feet of occupied structures. Finally, all groundwater beneath the Site is characterized as GW-3 because MCP considers all groundwater as a source of discharge to surface water. Therefore, groundwater at the Site is classified as GW-1, GW-2 and GW-3.

2.2.2.4 *Background Chemical Concentrations*

Potential risks to human health and the environment will be evaluated for site-related chemicals above background exposures. MADEP (1995) defines background as "those levels of oil and hazardous material that would exist in the absence of the disposal site of concern that are:

> (a) ubiquitous and consistently present in the environment at and in the vicinity of the disposal site of concern; and,
>
> (b) attributable to geologic or ecologic conditions, atmospheric deposition of industrial process or engine emissions, fill materials containing wood or coal ash, releases to groundwater from a public water supply system, and/or petroleum residues that are incidental to the normal operation of motor vehicles."

Given their ubiquitous presence in the environment, MADEP (2002a) has developed statewide background levels for metals and PAHs in both "natural" soil and soil containing fill material. For chemicals without MADEP-derived background levels, site-specific information was used to

characterize local conditions and identify COCs, including other media such as surface water, groundwater, and sediment. Maximum detected concentrations of chemicals in specific media were compared to MADEP's background levels for soil or local conditions for chemicals lacking a MADEP-derived background level or other media (MADEP, 2002a). Chemicals present at levels consistent with local/regional and published background levels were not retained as COCs for the risk assessment.

2.2.2.5 *Constituents of Concern*

Based on the operations and materials used at the plant, samples from environmental media have been (in previous site investigations) analyzed for (but not necessarily limited to) the following COCs (Gradient, 2003):

- volatile organic compounds (VOCs);
- semivolatile organic compounds (SVOCs);
- petroleum hydrocarbons[i]
- priority pollutant 13 metals, plus boron and lithium;
- hexavalent and trivalent chromium;
- total cyanide and cyanide amenable to chlorination;
- chlorinated herbicides;
- polychlorinated biphenyls (PCBs);
- dioxins and furans;
- hydrazine; and
- radionuclides (radionuclides of concern were identified through the DCGL determination process and as described in section 2.2.1.4).

[i] Depending on the levels of total petroleum hydrocarbons found, additional extractable petroleum hydrocarbon/volatile petroleum hydrocarbon (EPH/VPH) analyses may be performed (MADEP, 2002b).

As specified in the MCP, all chemicals detected in soil, sediment, and surface water were retained as COCs if both of the following conditions are met:

- oil or hazardous materials are detected in greater than 5% of environmental samples, and
- oil or hazardous material concentrations exceed background or local conditions.

The risk characterization will focus on COCs defined by the above criteria. In identifying oil or hazardous material COCs in the various sampled media, all data collected and analyzed as of 3 December 2004 were used in the analysis except:

- samples that were removed during remediation activities (including soil piles);
- field QA/QC samples (*i.e.* equipment, field, trip and lab blank data);
- all catch-basin samples; and
- samples collected by YAEC in 2003 and 2004 that were used for purposes other than site characterization.

All data marked as rejected (R) are unusable for use in identifying COCs. Data qualifiers including "U" (undetected) and "J" (estimated) are fully usable, as are detected data, which required no qualifier be applied.

Soil samples were collected and analyzed for TPH, VOCs, SVOCs, PCBs, pesticides, herbicides, hydrazine, inorganics, and dioxin/furans based on a historic assessment. Statistical summaries of detected oil or hazardous materials are presented in Table 9. In accordance with the MCP, detected concentrations of oil or hazardous materials were compared to the MADEP background concentrations for Polycyclic Aromatic Hydrocarbons (PAHs) and inorganics. Where available, site-specific background concentrations were used to compare against maximum detected concentrations for oil or hazardous materials of all other chemical groups. Oil or hazardous materials were identified as COCs if the detected frequency is greater than 5% and if detected concentrations exceed MADEP or local site-specific background concentrations. Oil or hazardous materials with no corresponding MADEP or site-specific background concentrations were selected as COCs based on detected frequencies only. Detected frequencies of greater than 5% were designated as COCs in the soils.

Sediment samples were collected in four Areas of Concern (AOC): Storm Water System, Sherman Reservoir , Deerfield River, and Wheeler Brook. Each AOC was sampled for TPH, VOCs, SVOCs, PCBs, and Inorganics. Statistical summaries of detected oil or hazardous materials are presented in Table 10 through Table 13 for each AOC. As previously stated, oil or hazardous materials are identified as COCs if the frequency of detection is greater than five percent or if site concentrations exceed local background concentrations. Local background conditions were characterized by six sediment samples from the northern/upstream area of Sherman Reservoir. VOCs and PAHs were detected infrequently in background samples. As a result, detected VOCs and PAHs in the AOCs were included as COCs. Concentrations of TPH and metals detected at least once in sediment samples in each of the AOCs were compared to site-specific background concentrations.

Eleven surface water samples were collected in water bodies throughout and adjacent to the site. These samples were analyzed for VOCs, PCBs, and inorganics. No site-specific background surface water samples were collected. Therefore, oil or hazardous materials are identified as COCs if the frequency of detection is greater than five percent. Statistical summaries of surface water results are presented in Table 14.

Both filtered and non-filtered groundwater samples were collected from the site. One filtered groundwater sample was sampled and analyzed for VOCs and inorganics. Twenty-four filtered groundwater samples were analyzed for PCBs. Non-filtered groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs, inorganics, herbicides, and alcohols. No site-specific background groundwater samples were collected. Therefore, oil or hazardous materials are identified as COCs if the frequency of detection is greater than 5%. Statistical summaries of detected OHM in groundwater are presented in Table 15.

The following table provides a list of chemicals of potential concern for each media sampled and evaluated based on the comparisons presented in Table 9 through Table 15.[ii]

[ii] In contrast to the approach recommended by MADEP, EPA generally recommends that Chemicals present below background levels be carried through the risk characterization, with risks associated with background being discussed in the risk characterization chapter (EPA, 2002). Given the comprehensive suite of chemicals included in the sampling analysis, the approach adopted here is considered protective of human health and the environment.

Media	Chemicals of Potential Concern
Soil	TPH: TPH, TPH-DRO, EPH C11-C22 aromatics and C19-C36 aliphatics, and total EPH; VOCs: 2-butanone, acetone, diethyl ether, methylene chloride, toluene; SVOCs: all PAHs, bis(2-ethylhexyl)phthalate, carbazole; Dioxin: Total Equivalent Quantity (TEQ) PCBs: Aroclor-1254, aroclor 1260; and Inorganics: Al, As, Ba, B, Cr, Cu, Pb, Li, Mn, Hg, Mo, Ni, and Se.
Sediment-Storm System	TPH: TPH VOCs: 1,1-dichloroethene, methylene chloride; SVOCs: All PAHs; bis(2-ethylhexyl)phthalate, carbazole; dibenzofuran; PCBs: Aroclor-1254; aroclor 1260; and Inorganics: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Th, and Zn.
Sediment-Sherman Reservoir	VOCs: 1,1-dichloroethene, 1,2,4-trimethylbenzene, 2-butanone, 4-methyl-2-pentanone, acetone, carbon disulfide, toluene; SVOCs: All PAHs, bis(2-ethylhexyl)phthalate, chrysene, fluoranthene, phenanthrene, pyrene; PCBs: Aroclor-1254; and Inorganics: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Li, Hg, Ni, Se, and Zn.
Sediment-Deerfield River	VOCs: 2-butanone, 4-isopropyltoluene, acetone, chloromethane; SVOCs: All detected PAHs; PCBs: Aroclor-1254, and aroclor-1260; and Inorganics: Cu and Pb.
Sediment-Wheeler Brook	VOCs: 1,1-dichloroethene, 2-butanone, acetone; and Inorganics: Ba, Pb, and Hg.
Surface Water	VOCs: acetone, carbon disulfide, chloromethane, methylene chloride, toluene; and Inorganics: Ba, Cu, Fe, Mn, Se, and Ag.
Groundwater-Non-Filtered	TPH: TPH, TPH-DRO, TPH-GRO VPH C5-C8 aliphatics and C9-C10 aromatics, EPH C11-C22 aromatics and C19-C36 aliphatics; VOCs: 1,1-Dichloroethane, acetone, carbon disulfide, methyl-t-butyl ether, toluene; SVOCs: bis(2-ethylhexyl)phthalate; fluoranthene, naphthalene, phenanthrene, pyrene; PCBs: Arochlor-1254; Inorganics: Ba, Bo, Cr, Cu, Fe, Pb, Mn, Ni, Zn; and Alcohols: iso-propyl alcohol.

Groundwater-Filtered	PCBs: Arochlor-1254

Table Notes: TPH – Total Petroleum Hydrocarbons, VOCs – Volatile Organic Compounds, SVOCs – Semi-Volatile Organic Compounds, PCBs – Polychlorinated Biphenyls, PAHs – Polycyclic Aromatic Hydrocarbons, Sb-Antimony, As-Arsenic, Ba-Barium, Be-Beryllium, B-Boron, Cd-Cadmium, Cr-Chromium, Co-Copper, Pb-Lead, Li-Lithium, Mn – Manganese, Hg-Mercury, Mo-Molybdenum Ni-Nickel, Se-Selenium, Ag-Silver, Th-Thallium, and Zn-Zinc.

A comprehensive list of radionuclides and OHM identified as COCs is included in Table 16. Future site characterization and risk assessments will be focused on these identified COCs.

2.2.2.6 *Applicable or Suitably Analogous Standards*

Section 310 CMR 40.0993(2) of the MCP requires that Applicable or Suitably Analogous Standards be identified in a Method 3 risk characterization. In Massachusetts, standards are available for drinking water, surface water, and air quality. As required by the MCP, Massachusetts Drinking Water Quality Standards may be applicable to site groundwater if site groundwater is classified as GW-1 groundwater. Massachusetts Surface Water Quality Standards would be applicable to surface water in Sherman Reservoir. Massachusetts Air Quality Standards (310 CMR 6.00) also known as the National Ambient Air Quality Standards (NAAQS), which are only available for six compounds, are also applicable.

2.3 *STUDY AREAS*

2.3.1 *Overview*

The developed portion of the site, displayed in Figure 2, is divided into three areas based on past site activities and land use:

- The Industrial Area is the approximately 13-acre fenced portion of the site surrounding the Radiologically Controlled Area (RCA) containing industrial plant structures and operations (approximately 17 acres including the RCA).

- The RCA is the approximately 4-acre parcel within the Industrial Area containing radiological materials associated with plant operation.

- The Non-Industrial Area is that portion of the site outside of the fenced Industrial Area containing offices, roadways, fill areas and undeveloped woodland and encompasses approximately 1,783 acres.

Major structures and features located within these areas are listed below:

Summary of YNPS Areas and Structures

Area	Description	Structures Located Within Area
Industrial Area	RCA	Demineralized Water Tank Firewater Storage Tank/Pump House Former Diesel Generator Building Former Waste Incinerators Fuel Storage Building Former Fuel Oil Tank Independent Spent Fuel Storage Installation (ISFSI) Potentially Contaminated Area (PCA) Warehouses (new and old) Primary Auxiliary Building (PAB) Radiological Waste Warehouse Temporary Waste Evap. Waste Disposal Building Vapor Container (VC)
	Industrial Area outside of the RCA	Screenwell House (Circulating Water Intake Structure) Former Railroad Tracks Garage Security/Gatehouse North Warehouse Office Buildings Old Shooting Range Potable water supply wells* (current and former) Propane Storage Security Diesel Building Service Building Turbine Building/Control Room Transformer Yard
Non-Industrial Area	Areas outside fenced operational area	Asphalt, brick and concrete (ABC) Rubble Disposal Area* Active and Inactive Leach Fields Administrative Building and office trailers Circulating Water Discharge Structure East and West Storm Drain Outfalls East Construction Fill Area (ECFA) Fire Fighter Training Area New Shooting Range Parking areas Sand/Salt Shed Septic System Pump House Southeast Construction Fill Area (SCFA) Storage Yard* Trash Compactor Visitor's Center*

* Location shown in Figure 1.

2.3.2 *Radiological*

Identification of study areas for radiological characterization of the site are identified in the HSA and FSS as Survey Areas based on the physical configuration of the operating plant, historic operations involving the management of radioactive materials and the history of unplanned release events. Approximately 30 acres of the YAEC property was impacted by plant operation and are designated in the HSA and FSS as Survey Areas and are classified as Class 1, 2 or 3 based on the potential for radioactive impact (Figure 3). Radiological characterization of these areas is proceeding in accordance with the LTP. The remainder of the property is non-impacted and will not be surveyed as part of the FSS as no reasonable potential for impact from plant operations exists.

Survey area boundaries and classification of impacted areas defined as of 31 July 2003 are summarized on Figure 3 and Table 17 for structures, and Figure 3 and Table 18 for open lands (YAEC, 2004a). The majority of the impacted area of open land is characterized by no residual plant related radioactivity or at levels that are a small fraction of the DCGL and are classified as Class 3. Class 3 open land survey areas surround the site Industrial Area, with the exception of two isolated areas (OOL-16 and OOL-17) that received soil from impacted locations within the Industrial Area. Class 2 open land survey areas on-site may have detectable levels of radioactivity above background, but are not expected to yield levels in excess of the DCGL. Class 1 open land survey areas represent site locations where historical information indicates the potential presence of radioactivity at levels greater than the DCGL (pre-remediation). Class 1 structure survey areas, and the majority of Class 1 open land survey areas, are located within the boundary of the RCA.

2.3.3 *Oil & Hazardous Materials (OHM)*

Historic site characterization data for OHM in the environment were compared with available information regarding historical site operations involving OHM use, storage, waste generation and waste management to identify study areas; locations where media require further evaluation to assess the presence or absence of OHM impact in the environment associated with YNPS operations. Historic site characterization data for OHM in the environment were compared with available information regarding historical site operations involving OHM use, storage, waste generation and waste management to identify study areas; locations where media require further evaluation to assess the presence or absence of OHM impact in the environment associated with YNPS operations. Study areas are listed below and are shown on Figures 2 and 4:

- Operational areas – Turbine Building, Service Building, PAB, PCA, Former Diesel Generator Building, Fuel Storage Area
- Current and Former AST locations
- Former UST locations
- Former Transformer Locations
- Current and former hazardous waste storage areas
- Former incinerator locations
- Former railroad tracks
- Disposal Areas – SCFA, ECFA, Asphalt, Brick and Concrete (ABC) Rubble Disposal Area
- Active and inactive leachfields
- Old and new shooting ranges
- Soil in Industrial Area to assess potential impact from PCB-containing paint chip release
- Groundwater beneath and down-gradient of the Industrial Area
- Surface water and sediment in Sherman Reservoir, Wheeler Brook, Tributary to Wheeler Brook, Wheeler Brook Divertment, and West Storm Drain

3.0 *SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)*

3.1 *OVERVIEW*

Radiological environmental monitoring was initiated in 1958, approximately two years before the Rowe plant began commercial power production, and has been in operation continuously since that time. In accordance with the requirements of 10CFR50, Appendix I (CFR, Title 10), the principle objective of the REMP is to provide data on measurable levels of radiation and radioactive materials in the environment as a confirmation that the primary method of determining plant regulatory compliance, plant effluent release measurements and dose computations, are not likely to be significantly underestimated. As such, the radionuclides that are commonly assessed in off-site environmental samples are those that have been previously observed or could be expected to be present in treated liquid and gaseous effluent waste streams to the environment. The nuclides expected include both gamma and non-gamma emitting radionuclides that exhibit mobility through plant process systems.

Gamma isotopic analyses of REMP samples typically report the measured Minimum Detectable Concentration (MDC) or positively detected concentrations, for 23 nuclides. These are the most likely radionuclides, including both activation and fission products, expected to be part of either liquid or gaseous effluent waste streams. The list of nuclides is based on the operating experience at both Yankee Rowe and other operating nuclear power plants, and includes the following nuclides: Ag-108m, Ag-110m, Ba/La-140, Ce-141, Ce-144, Co-57, Co-58, Co-60, Cr-51, Cs-134, Cs-137, Fe-59, I-131, Mn-54, Nb-95, Ru-103, Ru-106, Sb-124, Sb-125, Se-75, Zn-65 and Zr-95.

The NRC guidance on REMP in NUREG-0472 (NUREG, 1982) stipulates a list of 12 radionuclides with specific detection and reporting requirements (MDC and Reporting Levels) that would lead to the highest potential exposure of members of the public resulting from plant operation. This list includes: Mn-54, Fe-59, Co-58, Co-60, Zn-65, Zr-95, Nb-95, I-131, Cs-134, Cs-137, and Ba/La-140. However, if other spectrographic peaks are identified during sample analysis, or if unidentified peaks are noted in the analysis, the reporting laboratory is required to evaluate the additional radionuclides and report their presence in the sample. Consequently, the 23 radionuclides typically listed on the REMP sample gamma isotopic

analysis report do not reflect the only radionuclides that could be reported. In addition to gamma isotopic analysis, gross beta and H-3 analyses are also routinely performed in evaluating environmental media as part of the REMP.

The REMP is also designed to allow a comparison of levels of radioactivity in samples from the area potentially influenced by the plant to levels found in areas not influenced by the plant. The monitoring locations in the first area are designated as "indicators" and the second area monitoring locations are designated as "controls." The distinction between the two areas, for a particular pathway, is based on relative direction and distance from the plant. Analysis of survey data from the two areas is used to differentiate between radiation due to plant activities and that due to other sources such as atmospheric nuclear weapons test fallout or seasonal variations in the natural background.

The REMP monitors four pathway categories that include the sampling of particulates and gaseous I-131 in air; soil, sediment and water; and milk, fish and vegetables. In evaluating analysis results of environmental samples, it is necessary to consider the variability of natural and man-made sources of radioactivity, their distribution in the environment, and their uptake in environmental media. This variability is dependent on many factors including station release rates, past spatial variability of radioactive fallout from nuclear weapons tests, on-going redistribution of fallout, contribution from cosmogenic radioactivity, groundwater dynamics, soil characteristics, farming practices, and feed type. Any one of these factors could cause significant variations in measured levels of radioactivity. Therefore, these factors need to be considered in order to properly explain any variations in radiation detected and to distinguish between natural and station related radioactivity.

Environmental sampling results, as part of the REMP program, were reviewed for a twenty-year period from 1983 to 2003, for this report. This period encompasses ten years of plant operational history and ten years of post operational history. Previously, a review of the airborne pathway data in the REMP program from 1961 through 1997 was conducted, and the results are documented in Reference (Cummings, 1998).

The graphs of the annual average REMP results in the figures below represent only positive concentrations (greater than instrument background) for the nuclides of interest. Additionally, the graphs represent those nuclides for which sufficient results exist to provide a trend plot. Error bars are presented for those data that listed the mean and the uncertainty in the mean in the Annual Radiological Environmental Operating Report (AREOR). All other positive nuclide

results are discussed in the Summary of Results for each media category. Any gaps in the graphed data reflect results that were not positive rather than that no sample was collected. Only in one instance, in 1991, a maple syrup control sample was not available.

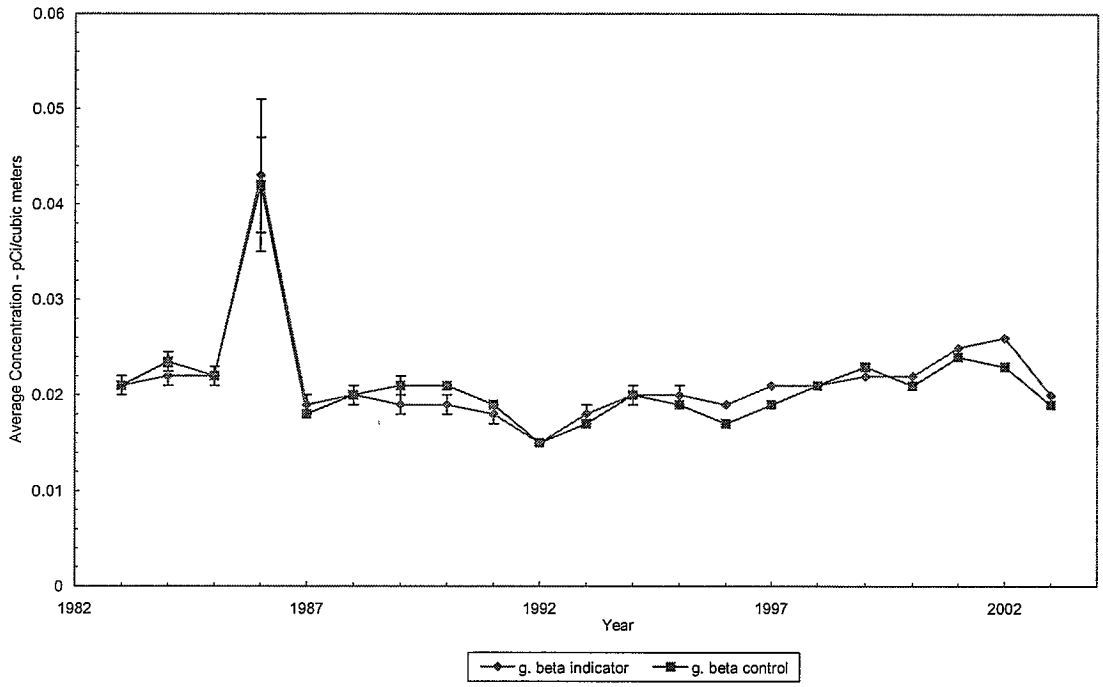
3.2 *INHALATION PATHWAY & AIRBORNE PARTICULATES*

Air sampling was conducted at 7 locations (5 indicator and 2 control) throughout the twenty-year period evaluated. Each sampling station was equipped with an apparatus containing a glass fiber filter for collection of airborne particulates and a charcoal cartridge for collection of gaseous iodine. The air samplers operated continuously and the filters were changed and analyzed weekly. The particulate filters were analyzed for gross beta radioactivity and the cartridges were analyzed for I-131 activity. A trigger level was set for the gross beta activity, above which, an individual filter would be analyzed by gamma spectrometry. Samples from each week in a given quarter were combined to form a composite sample for each location. The composite samples were analyzed by gamma spectrometry.

Positive gross beta activity (above instrument background) was routinely detected at all indicator and control stations. This radioactivity is attributable to naturally occurring radionuclides, as evidenced by the close correlation between the indicator and control stations shown in Figure 5. The gross beta results represent annual averages of 260 gross beta filter analyses from the indicator stations and 104 filters from the control locations. The evident spike in 1986 is the result of fallout from the Chernobyl incident. Gross beta results were elevated at both indicator and control stations in May and June of 1986. These filters, when analyzed by gamma spectrometry, revealed the presence of Cs-137, Cs-134, Ru-103, and Ru-106 (YAEC, 1986).

The only gamma emitting nuclide detected in the air filter quarterly composites, besides those resulting from the Chernobyl incident, was naturally occurring Be-7. No Yankee plant-related radioactivity was detected on either the particulate filters or the charcoal cartridges in the last twenty years.

Figure 5 - Annual Average Gross Beta Concentration - Air Particulate Filters



3.3 *SOIL*

Soil analysis was performed *in situ* using a portable gamma spectrometry analysis system, every three years. The *in situ* soil was analyzed at the air sampling locations in 1978, 1981, 1984, and 1987. In addition, core samples of the soil were collected for a laboratory confirmatory analysis. These results have been evaluated and reported as part of a review of the airborne pathway data to determine non-impacted area classification (Cummings, 1998). This review indicates naturally occurring K-40 and Th-232 and Cs-137 from weapons testing fallout.

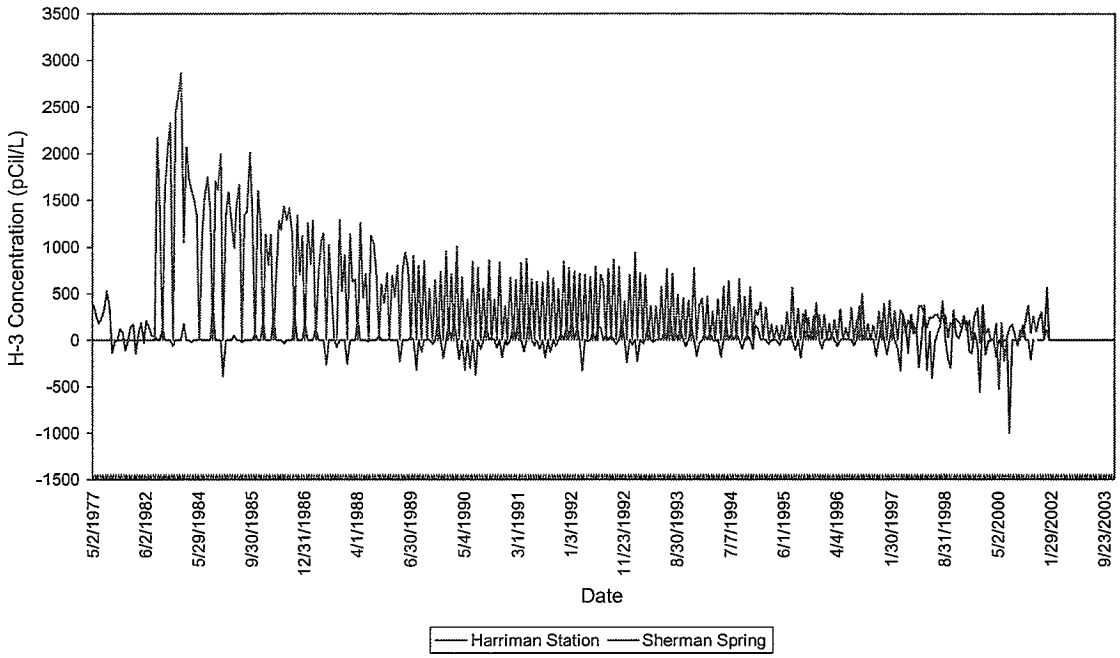
3.4 *GROUNDWATER*

Two fresh water sites were monitored for groundwater as indicator stations. The first was the on-site well (potable), and the second was Sherman Spring (0.2 km). There were no control locations.

Samples were taken monthly and analyzed for gross beta, gamma spectrometry, and H-3. Samples from each month in a given quarter were also combined to form a composite sample. The composite samples were analyzed for H-3.

No gamma emitting radionuclides have been detected in groundwater from either location. H-3 has been detected in Sherman Spring throughout the period evaluated. Figure 6 shows the decrease in the concentration over time, relative to the concentration measured in the river water at Harriman Reservoir. This figure presents the results of all the samples analyzed.

Figure 6 - Tritium in Water



3.5 *SURFACE WATER*

River or surface water was sampled from 2 indicator locations, one in the vicinity of the discharge point in Sherman Reservoir, one at Bear Swamp, 6.3 km downriver, and 1 control station, upriver at Harriman Reservoir (10 km). Samples were collected monthly and analyzed for gross beta and gamma spectrometry. Samples from each month in a given quarter were combined to form a composite sample for each location. The composite samples were analyzed for H-3.

No gamma emitters have been detected in the river water. Figure 7 below shows the gross beta concentrations from Bear Swamp and Harriman

Reservoir. This figure presents the results of all the samples analyzed. Figure 8 shows the annual average tritium concentration from Bear Swamp and Harriman Reservoir. The concentrations can be put into perspective by comparison to the NRC Reporting Level for tritium in non-drinking water paths, 30,000 pCi/L and to the EPA Maximum Contaminant Level (MCL) for tritium in drinking water, 20,000 pCi/L. The required MDC for the analysis is 2,000 pCi/L.

Figure 7 - Gross Beta in River Water

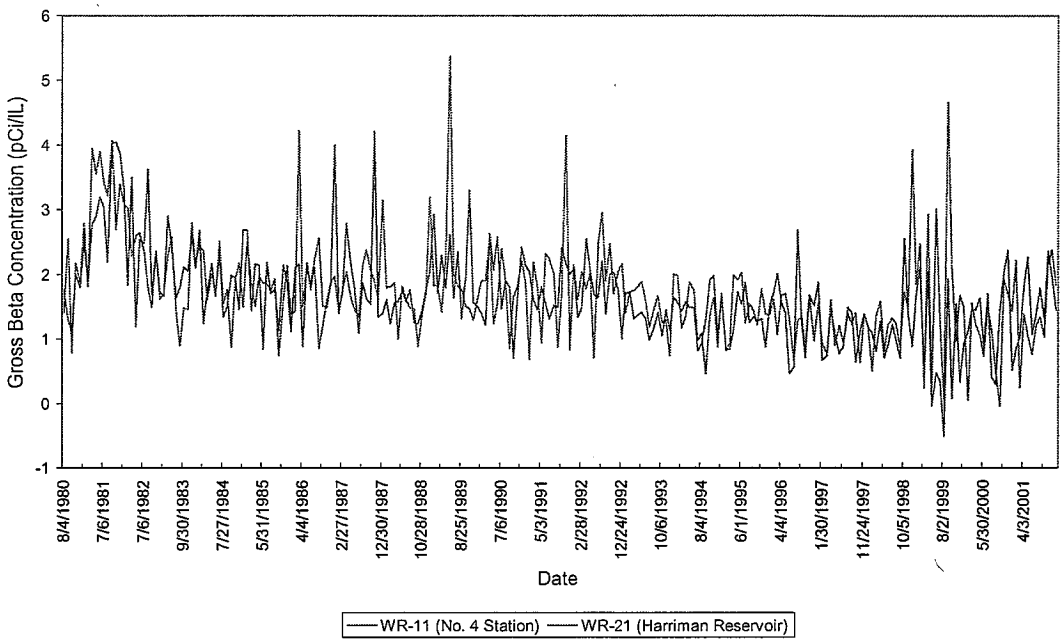
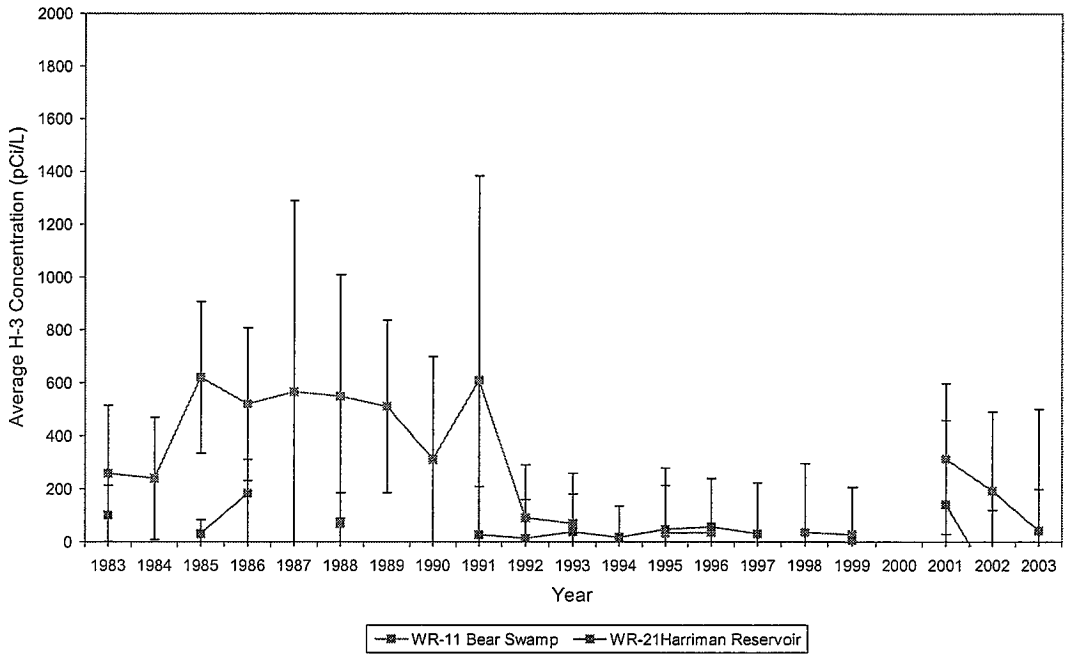


Figure 8 - Tritium in River Water



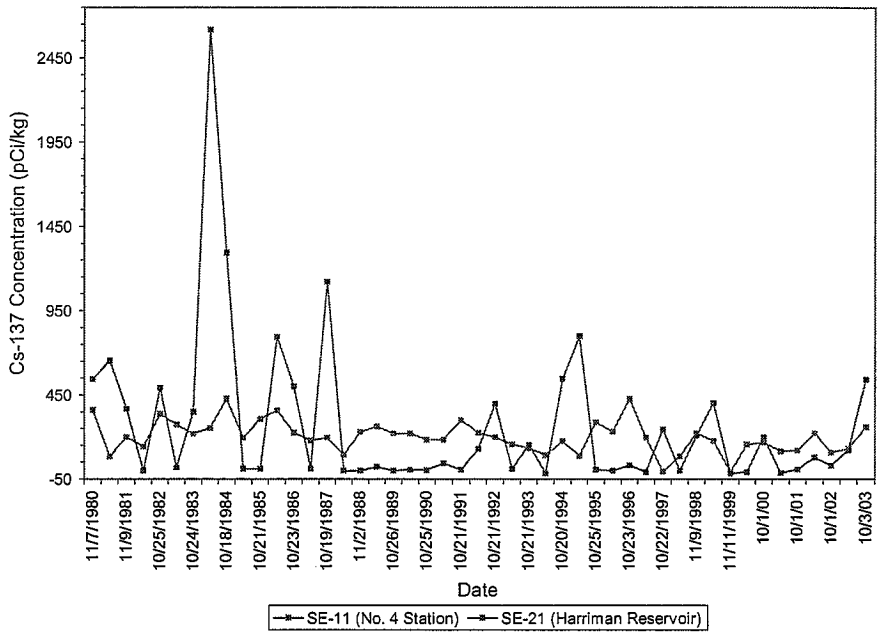
3.6 *SEDIMENT*

Sediment samples were collected semi-annually at 3 locations: 2 shoreline cores and an additional bottom sediment core at Sherman Reservoir . The two indicator locations were: Sherman Reservoir (discharge, 1989-present) and Deerfield River No. 4 station (36.1 km down river). The control station was upriver at Harriman Reservoir (10 km). The sediment samples were sectioned into 2-inch cores prior to analysis by gamma spectrometry. Figure 9 shows the semi-annual sediment results for the Deerfield River and Harriman Reservoir. The data represents the average of the first three core sections.

Natural K-40 was detected in all sediment samples, and Cs-137 was detected in most. In addition, Co-60 was measured in some Sherman Reservoir sediments as discussed in Section 4.4. No other plant-related radionuclides were detected. The Cs-137 concentration at Harriman Reservoir, the control location, was considerably elevated in 1984. The AREOR for that year indicated that several core samples were taken a short distance from the traditional sampling location at the reservoir. The higher levels of Cs-137 are attributed to the very high organic content of these sediments that were collected near the high water mark. The technical explanation for this is given in Bellini, 2000. This data illustrates

the variability with which radionuclides may distribute in the environment, and the caution that must be used in interpreting environmental results.

Figure 9 - Cs-137 Concentration in Sediment



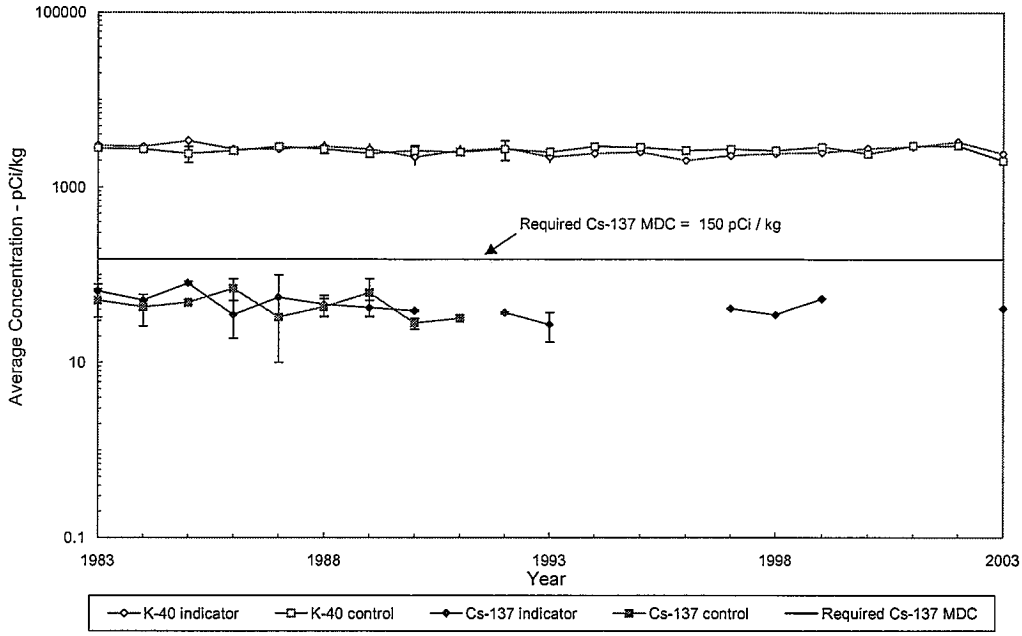
3.7 *INGESTION PATHWAY*

3.7.1 *Fish*

Fish samples were initially analyzed from 2 locations, one in the vicinity of the discharge point in Sherman Reservoir, and one upstream at Harriman Reservoir (10 km), in an area not influenced by the plant. The samples were analyzed by gamma spectrometry.

The only radionuclides detected in fish were fallout related Cs-137 and naturally occurring K-40 (see Figure 10).

Figure 10 - Annual Average K-40 and Cs-137 Concentration - Fish



3.7.2 *Food Crops & Maple Syrup*

Farm crops were collected at the time of harvest from 1 to 4 indicator stations depending on the results of a land use census, and one control location in Williamstown, MA, at 21 km.

Food crops have consisted of fruit and broad leafy vegetation. The sampling locations for this media vary based on the results of the annual land use census indicating the location of gardens and meteorological dispersion information for the year. The edible portions of the crops are analyzed by gamma spectrometry.

Due to the importance of maple syrup, as a commercial product in New England, samples have been collected annually since the early seventies, even though they are not required by the radiological environmental technical specifications (RETS). Sampling locations varied based on the land use survey results, and are documented each year in the annual environmental operating reports. The samples were analyzed by gamma spectrometry (see Figures 11 and 12).

K-40 has been detected consistently in all food crops and in maple syrup. Cs-137 has been detected in food crops in two out of the twenty years

from indicator locations. In addition, Cs-137 has been detected in maple syrup from indicator and control locations. Because the syrup is collected from the manufacturer as a finished product that has been boiled down as part of the production process, the concentrations of nuclides do not represent environmental levels. It is estimated that the resulting syrup has been concentrated by a factor ranging from 15 to 120 times the original sap depending on the time of season and sugar content of the sap collected (YAEC, 1983-2003). No plant-related radionuclides have been detected.

Figure 11 - Annual Average K-40 and Cs-137 Concentration - Maple Syrup

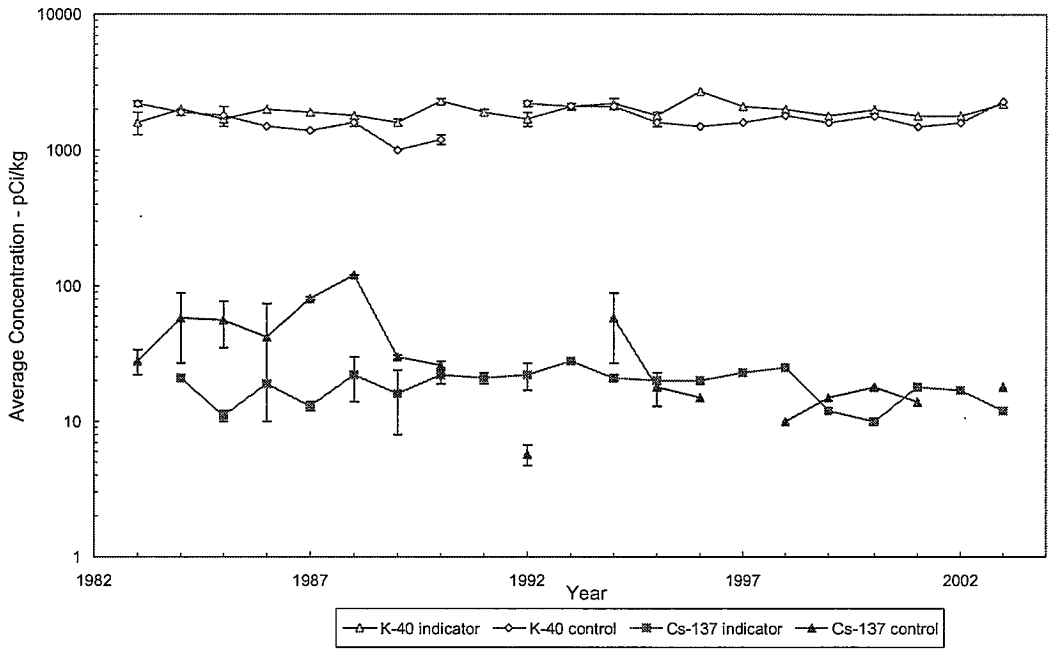
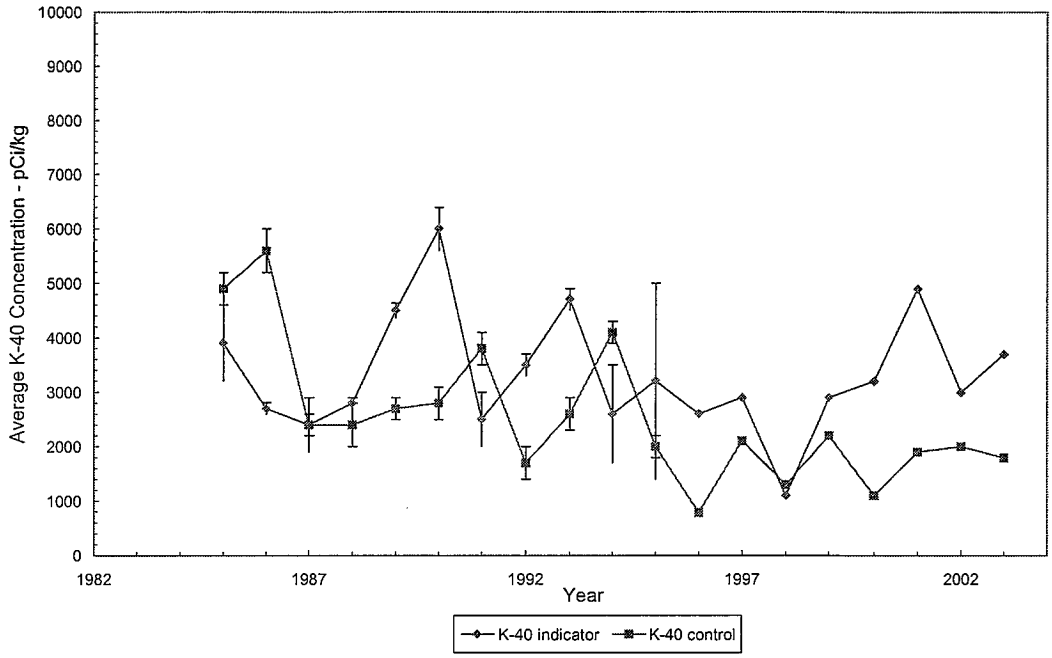


Figure 12 - Annual Average K-40 Concentration - Food Crop



3.7.3 *Milk*

Milk sampling was conducted monthly and twice per month during the "grazing season" that runs from June to November. During that time, milk samples were obtained from two indicator stations (if available) and at least one control station. The indicator stations are chosen based on the annual Land Use Census and current meteorological deposition information and typically are located within five miles of the Yankee Rowe site. Beginning in 1999, no indicator station was available for milk sampling. All samples were analyzed by gamma spectrometry and by nuclide specific analysis for Sr-89, Sr-90 and I-131.

The review of the results for the period between 1983 and 2003 indicate similar K-40 concentrations at the indicator and control stations. Cs-137 and Sr-90 in both control and indicator stations were detected in amounts that were typical throughout the New England environment as a result of nuclear weapons testing fallout and have decreased since the cessation of above ground weapons testing in the 1980s. Figures 13 and 14 show the annual average concentrations for Cs-137 and Sr-90 in raw milk, respectively. In addition to the indicator and control stations for the YNPS, annual average concentrations in pasteurized milk for New England were obtained from the EPA Environmental Radiation Ambient Monitoring System (ERAMS) web site, and from two additional New England sampling locations. Data is included for 1982 to illustrate the extreme variability (as evidenced by the error bars) that was present in

fallout related radionuclide concentrations in New England milk at that time. These large variations are due to differences in the feeding practices at the various farms. In particular, the amount of pasture vegetation vs. stored feed and the amount and type of vegetation in the animals' diet when on pasture (YAEC, 1983-2003).

Figure 13 - Annual Average Cs-137 Concentration - Milk

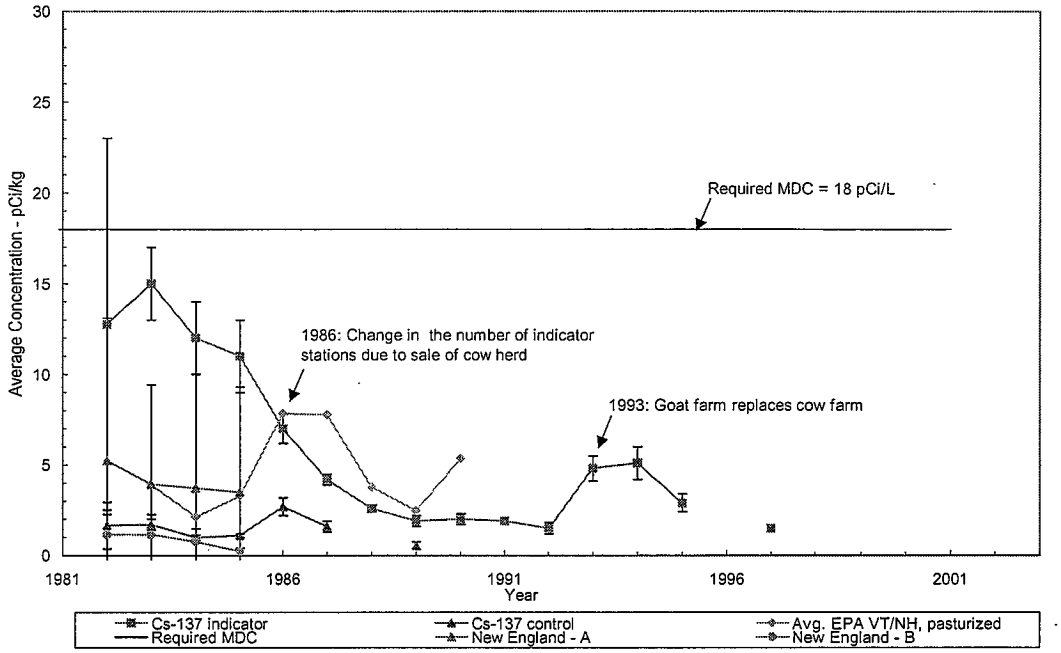
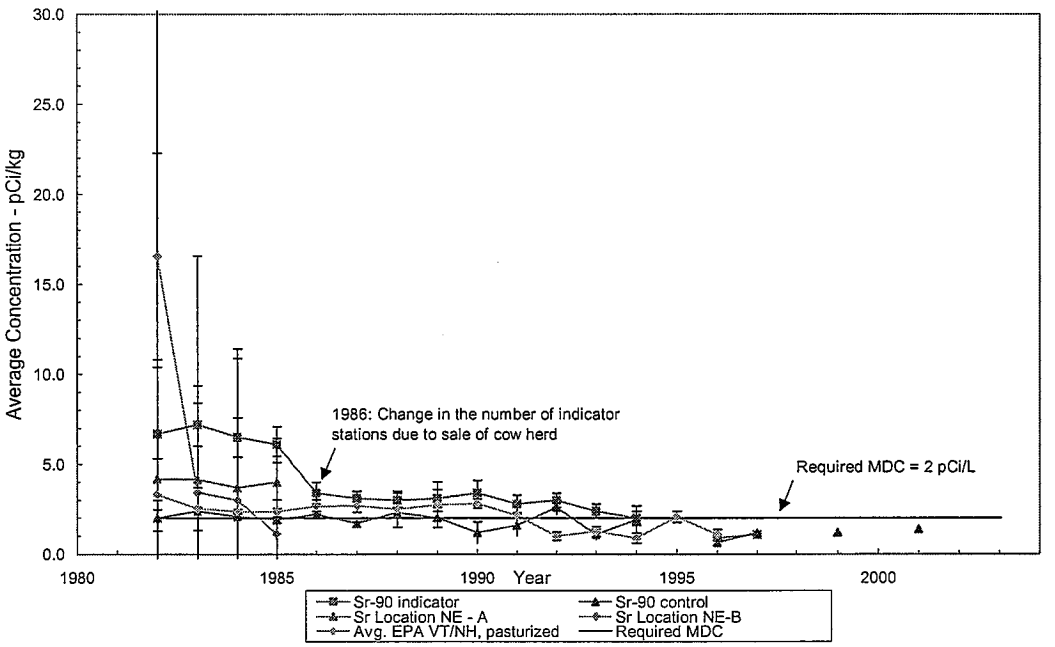


Figure 14 - Annual Average Sr-90 Concentration - Milk



4.0 SUMMARY OF THE NATURE & EXTENT OF CONTAMINATION

4.1 OVERVIEW

This section provides a summary of the nature and extent of impact identified from radionuclides and OHM in the environment by media, i.e., soil, groundwater, surface water, sediment, and fish. This summary is based on the results of past and ongoing investigations incorporating results available through December 2004. Additional investigation and remediation will continue concurrent with site decommissioning efforts requiring update of the findings presented. Once decommissioning, remedial and restoration actions are complete, an assessment of the level of risk to human health and the environment posed by residual impacts will be completed to support closure and restrictions on future use of the site.

4.2 SOIL

4.2.1 Radiological

The soil data are presented in three groups; 1) land areas outside of the industrial area; 2) within the industrial area; and 3) within the RCA. The number of samples collected for which a result was reported are listed; the number of samples with detectable radioactivity, the range of concentrations detected as well as the mean and standard deviation are reported. Tables 19 through 21 summarize data from soil samples collected for radiological analysis. The samples were counted by gamma spectroscopy and a broad range of radionuclides was analyzed for as noted in the table footnote, however, only those nuclides for which results were reported appear in the tables. A summary of analysis methods is included in Appendix B.

The area encompassed by the RCA would be expected to be the most impacted by radioactivity from plant operations and that table does show the highest concentration of radioactive measurements. It would be expected that land areas outside and inside the industrial area would either be the same or the land areas outside the industrial area would be slightly lower. Precise comparisons of the data for these different areas of the site are difficult given the targeted nature of the sampling in the Industrial Area.

It is important to note that these data are interim characterization data and are used to support initial classification of areas for the FSS. Soil samples along with other survey data will be collected during the FSS in accordance with the FSS QAPP and approved procedures. The results from these samples will comprise the final record of radioactivity in soils at the site and will be used to demonstrate compliance with applicable DCGLs for NRC license termination and risk assessment.

4.2.2 *Oil and/or Hazardous Materials*

4.2.2.1 *Background Areas*

A total of 23 soil samples, which included three duplicate samples, were collected from ten background soil sample locations during the soil sampling event. Background soil sample locations are shown on Figures 15 and 16. Validated background soil analytical results are summarized in Table 22. None of the background samples exhibited OHM at levels exceeding Reportable Concentrations (RCs). None of the background soil samples were analyzed for Volatile Organic Compounds (VOCs) because Flame Ionization Detector (FID) field screening results were not greater than or equal to 5 ppm.

4.2.2.2 *Industrial Area*

A total of 250 soil samples, which included nine duplicate samples, were collected from 36 locations within the Industrial Area of the YNPS. Industrial Area soil sample locations are shown in Figure 16. Industrial Area soil analytical results are summarized on Table 22. Results exceeding applicable RCs are highlighted.

RCS-1 criteria were exceeded for beryllium at SB-001. A total of 11 confirmatory soil samples were collected and analyzed for beryllium at and in proximity to SB-001. All analytical sample results were below method detection limits (0.5 milligram per kilogram (mg/kg)). Therefore, the beryllium RC exceedance was not confirmed and is not plant related.

RCS-1 criteria were exceeded for EPH (C11 - C22 Aromatics) at SB-005. The detection of EPH at SB-005 may be associated with the overlying pavement at the sample location. Additional investigation is on-going.

RCS-1 criteria were exceeded for dioxin at SB-020, SB023, and SB-074. A total of 11 confirmatory soil samples were collected and analyzed for dioxin at and in proximity to SB-020. Sample location SB-020 and the samples collected on a 10-foot grid around SB-020 were all below the RC for dioxin total equivalent quantity (TEQ). However, two sample

locations along a 150-foot grid contained dioxin TEQs greater than the applicable RC. The detection of dioxin at SB-020, SB023, and SB-074 could be associated with operation of former incinerators at the YNPS. Additional investigation is proceeding.

The Department has proposed to increase the RCS-1 standard for dioxin TEQ from four picograms per gram (pg/g) to 20 pg/g. None of the samples for SB-020 or SB-023 exceed the proposed RCS-1 standard for dioxin TEQ. SB-074 does exceed the proposed RCS-1 standard for dioxin TEQ.

RCS-2 criteria were exceeded for PCBs at SB-032, SB-042, SB-078, and SB-092. The detection of PCBs at SB-032, located in an area targeted for soil excavation, is consistent with the findings of the Phase II - Comprehensive Site Assessment (CSA) (ERM, 2003) that addressed a release of PCB-containing paint chips. The detection of PCBs at SB-042, SB-078, and SB-092, located beyond the area targeted for soil excavation, will be addressed under future remedial actions for soil planned for 2005.

RCS-2 criteria were exceeded three PAHs (benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene) at SB-056. The detection of PAHs at SB-056, located along a site access roadway, may be associated with incidental releases of petroleum from on-site vehicle use. Additional investigation is ongoing.

RCS-2 criteria were exceeded for two PAHs (benzo(a)anthracene and benzo(a)pyrene) at SB-071. The detection of PAHs at SB-071 may be associated with a former fuel oil AST. Additional investigation is ongoing.

4.2.2.3 *Non-Industrial Area*

A total of 192 soil samples, which included ten duplicate samples, were collected from 56 locations within the Non-Industrial Areas of the YNPS. Non-Industrial Area soil sample locations are shown in Figures 15 and 16. Non-Industrial Area soil analytical results are summarized on Table 22. Results exceeding RCs are highlighted.

RCS-1 criteria were exceeded for TPH at locations SB-157 and SB-158, which are located within the Visitor Center Parking Lot, and may be associated with incidental releases of petroleum from on-site vehicle use. Further soil sampling is planned to evaluate the extent of TPH impacted soils near the Visitor's Center.

RCS-2 criteria were exceeded for three PAHs (i.e., benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene) at SB-105. A total of 29 confirmatory soil samples were collected and analyzed for PAHs at and in proximity to SB-105. In addition to the three PAHs that had previously exceeded RCs, four additional PAHs (benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, ideno(1,2,3-cd)pyrene) were detected above RCs. Total PAH concentrations ranged from non-detect to greater than 300 mg/kg. The concentrations of PAHs increased with depth. Elevated levels of PAHs correlated with field observations of railroad ties and petroleum odors. Further soil sampling is planned to evaluate the extent of PAH impacted soils near SB-105.

RCS-2 criteria were exceeded for beryllium at SB-111. A total of 11 confirmatory soil samples were collected and analyzed for beryllium at and in proximity to SB-111. All analytical sample results were below method detection limits (0.5 milligram per kilogram (mg/kg)). Therefore, the beryllium RC exceedance was not confirmed and is not plant related.

RCS-2 criteria were exceeded for lead at SB-135. A total of 29 confirmatory soil samples were collected and analyzed for lead at and in proximity to SB-135. The analytical results ranged from 18 to 2,900 mg/kg and nine out of 13 samples exceeded the applicable RC of 600 mg/kg, thereby confirming the original results. At each sampling location the concentration of lead decreased with depth and did not exceed the RC for any 1-2 or 2-3 foot intervals. The detection of lead at SB-135 is attributed to former use of this portion of the site as the Old Shooting Range. Further soil sampling is necessary to evaluate the extent of lead-impacted soil near SB-135 and conduct abatement as necessary.

4.3 *GROUNDWATER*

4.3.1 *Site Conceptual Model*

Groundwater investigations began at YNPS in 1977, with drilling of the first monitoring well. Since then, a total of 65 additional monitoring wells have been drilled. Sampling of the wells has identified tritium in shallow ground water within a stratified drift aquifer beneath the site. The concentration of tritium in the shallow ground water is generally low, with a maximum of about 5,000 picocuries per liter (pCi/L).

The most recent round of drilling occurred during the summer of 2004, when ten wells were drilled to further refine the definition of hydrogeologic features that control the fate and transport of tritium that has been identified in groundwater beneath the site. This recently

completed investigation followed a comprehensive episode of drilling completed the previous year, which discovered an aspect of the tritium plume that was unrecognized earlier. The work completed in 2003 is reported in Hydrogeologic Report of 2003 Supplemental Investigation (Hydrogeologic Report) (YAEC, 2004b). Earlier groundwater investigations are summarized in Site Ground Water Data Collection for YNPS Decommissioning, Rev 1 (YAEC, 2003).

Before 2003, virtually all of the wells drilled were shallow and did not penetrate a lodgement till layer presumed not to contain groundwater, which is beneath the surficial stratified drift aquifer that underlies the site. During the summer 2003 drilling program, for the first time, several wells were drilled through the entire sequence of sediments overlying bedrock. These sediments were deposited by continental glaciers that occupied the region during the Pleistocene geologic epoch. The results of the 2003 investigation suggested that the lodgement till beneath the stratified drift was about thirty feet thick and was underlain by a thick sequence of glaciolacustrine sediments that had been deposited within a glacial lake. Several thin, discrete sand aquifers containing tritium at concentrations greater than those measured in the stratified drift were encountered and thought to be interlayered within the glaciolacustrine sequence.

The 2004 drilling included wells at two locations (MW-106 and 108) near the middle of the Deerfield River Valley. These were some of the deepest wells that have been drilled at YNPS and penetrated the stratified drift, lodgement till, and glaciolacustrine sediments that had been encountered elsewhere on site. Correlation of the sediments exposed by the 2003 and 2004 drilling campaigns reveals that the lodgement till is thicker and the top of the underlying glaciolacustrine sequence is deeper than originally thought. This interpretation implies that many of the thin, discrete sand aquifers are interlayered within the lodgement till rather than the glaciolacustrine sequence. Figures 17 and 18 show the stratigraphy along two cross sections A-A′ and C-C′, oriented northwest-southeast and north northwest-south southeast across the site, respectively. These cross sections are revised from those presented in the Hydrogeologic Report, and include the new wells MW-106 and MW-108.

The depositional process that produced this arrangement of sediments within the till can be described as follows. Short-term fluctuations in climate, causing warming that may have spanned a period of a few years to a few decades, resulted in a temporary stagnation or retreat in movement of the ice sheet and a net increase in melt water. This melt water deposited the relatively clean, well-sorted sand aquifers into crevasses and ice channels within or on the margins of the glacier. As the climate reverted to colder temperatures that were more normal

throughout the Pleistocene, there occurred a net increase in snow accumulation and decrease in melt water. Under these conditions, the ice front advanced, once again depositing lodgement till beneath its base and overriding the crevasse and ice-channel filling.

This sequence of fluctuating climate repeated during several episodes, resulted in a series of thin, discrete sand aquifers that were found interlayered within the lodgement till at YNPS. The process by which the sand aquifers apparently were deposited suggests that they are isolated, discontinuous, poorly connected and of limited extent. This stratigraphy has obvious implications for the transport of contaminants in groundwater and suggests that the thin, discrete sand aquifers do not provide a mechanism for flow of tritium over large distances.

4.3.2 *Radiological Impacts to Site Groundwater*

The preliminary results of the 2004 drilling campaign, conducted on the margins of the presumed perimeter of the tritium contamination, confirm that monitoring well clusters MW-106, MW-108 and MW-109 outline the extent of tritium contamination to the north, west and southwest of both the shallow and deeper tritium plumes. Only minor concentrations of tritium (less than 1,000 pCi/L compared to the EPA MCL of 20,000 pCi/L) were detected in the shallow aquifer at MW-106 and in two of the deeper thin, discrete sands at MW-109.

Figures 17 and 18 show the distribution of tritium in May 2004 in cross section, while Figures 19 and 20 show the tritium plume in May in plan view, at two depths. Figures 21, 22 and 23 show the groundwater elevations and direction of flow in May 2004 in the shallow aquifer, in sands about 100 feet deep and in the bedrock, respectively. Each of these three maps shows a predominant component of flow to the northwest, toward the Deerfield River below Sherman Reservoir.

Groundwater has been sampled quarterly since July 2003 in all accessible monitoring wells. Each sample is collected using the low-flow sampling technique and is analyzed for tritium, gamma-emitting radionuclides, gross alpha and gross beta activity. Most samples are also analyzed for a list of ten transuranic and hard-to-detect radionuclides. Procedure AP-8601 details the sampling schedule and list of analytes for each monitoring well. Tritium continues to be the only plant-related radionuclide detected in groundwater at YNPS. Gross beta activity is detected in all wells and gross alpha in some, but this is naturally-occurring activity associated with transformations within the uranium and thorium series, which occur within the local metamorphic bedrock.

4.3.3 *Oil and/or Hazardous Material Impacts to Groundwater*

4.3.3.1 *OHM Parameters*

The monitoring well locations, corresponding to each reporting category, and analytical results exceeding RCs are presented on Figure 24. Groundwater analytical results for 2003 and 2004 are summarized on Table 23. Results exceeding RCs are highlighted.

4.3.3.2 *Shallow Monitoring Wells*

Each of the 36 shallow interval monitoring wells were sampled during either the 2003 or 2004 groundwater sampling events.

RCGW-2 criteria were exceeded for PCBs in shallow monitoring well MW-5. Analytical data from the most recent sampling event (August 2004) indicates a detection of PCBs in unfiltered samples (as particulates), but no significant dissolved phase impact. Additional monitoring for dissolved phase PCBs will be conducted at MW-5 during future groundwater sampling events.

4.3.3.3 *Intermediate Monitoring Wells*

Each of the 11 intermediate monitoring wells were sampled during either the 2003 or 2004 groundwater sampling events.

RCGW-2 criteria were exceeded for 1,1-dichloroethene (DCE) at MW-105C. Chlorinated VOCs were used/stored in the nearby Turbine Building (Figure 24). Therefore, the source, nature, and extent of DCE in groundwater will require further evaluation. Additional sampling for DCE will be conducted at MW-105C during future groundwater sampling events.

RCGW-2 criteria were exceeded for VPH (i.e., C5-C8 Aliphatics) at MW-101C. Review of the analytical data and resulting chromatographs indicate that the exceedance of VPH at MW-101C is likely attributable to interference by either acetone or isopropyl alcohol and is not attributable to petroleum hydrocarbons. Therefore, the VPH exceedance of the RC does not require notification to Department. Acetone and isopropyl alcohol sample results at MW-101C are below applicable RC criteria.

RCGW-2 criteria were exceeded for PCBs at MW-107D. The exceedance of RCGW-2 for PCBs at MW-107D is attributable to PCB-containing paint chips. Analytical data from the most recent sampling events (i.e., May and August 2004) indicate that PCBs were not detected in the dissolved

phase. Additional sampling for dissolved phase PCBs will be conducted at MW-107D during future groundwater sampling events.

4.3.3.4 *Bedrock Monitoring Wells*

Each of the 11 bedrock monitoring wells were sampled during either the 2003 or 2004 groundwater sampling events.

RCGW-2 criteria were exceeded for PCBs at MW-107B. The exceedance of PCBs at MW-107B is attributable to PCB paint chips. Analytical data from the most recent sampling event (August 2004) indicate that PCBs were not detected in the dissolved phase. Additional sampling for dissolved phase PCBs will be conducted at MW-107B during future groundwater sampling events.

RCGW-2 criteria were exceeded for bis(2-ethylhexyl)phthalate (DEHP) at MW-108B. Additional sampling will be conducted to confirm the RC exceedance.

4.3.3.5 *Water Supply Wells*

The two water supply wells were sampled during the 2003 and 2004 groundwater sampling events. No compounds were detected above applicable RCs for either the Facility Water Supply Well (Figure 2) or the Visitor Center Water Supply Well (Figure 1).

4.3.3.6 *Sherman Spring*

Sherman Spring was sampled during the 2003 and 2004 groundwater sampling events. No compounds were detected above the method detection limits at Sherman Spring.

4.3.4 *On-going Assessment & Remedial Considerations*

The data gathered during the summer 2004 drilling program are currently being evaluated, interpreted and compiled into a comprehensive hydrogeologic report that will be released in early Spring 2005. That report will include updated plume maps, groundwater flow maps and cross sections that reflect the information learned from the drilling program and the groundwater analytical data resulting from four quarters of sampling during 2004. The report will compare tritium concentrations to groundwater levels in each well, to determine if a seasonal trend can be identified. The report will also draw conclusions regarding completeness of the body of information describing the nature and extent of tritium impacts to the groundwater at YNPS.

Ongoing demolition of structures at YNPS has restricted access to suspected source areas of tritium in the groundwater. These suspected source areas include the spent fuel pool, the ion exchange pit, the vicinity of a breach in the chemical laboratory radioactive waste sump pipeline, and the vicinity of a failed drain pipe in the PCA storage facility.

Access to these areas should become available later in 2005. YAEC may wish to investigate these and other areas by drilling additional monitoring wells to determine the areal and vertical distribution of tritium or other radionuclides in their vicinity. The resulting information would be useful in further defining the extent of impacts to the groundwater in suspect areas not yet fully investigated, the relation between any new impacts identified and those already known, and in demonstrating the breadth of the area where the concentration of tritium may exceed a regulatory guideline.

4.4 *SEDIMENT & SURFACE WATER*

4.4.1 *Radiological*

The Sherman Reservoir has been used as a source of cooling water and discharge (including stormwater discharge) for YNPS. These uses resulted in the introduction of small amounts of plant-related radioactivity into the reservoir and subsequently into the sediments.

Sediment samples from the Sherman Reservoir and other parts of the Deerfield River have been collected routinely and analyzed for radionuclide content, beginning before the start of plant operations as a part of the Radiological Environmental Monitoring Program (REMP). REMP sediment samples were collected two to three times per year in a varying number of locations in support of plant operation and analyzed using gamma spectroscopy to identify the presence of plant-related radioactivity. The REMP included analyses Ac-228, Ac/Th-228, Ag-108m, Ag-110m, Am-241, Ba-140, Be-7, Bi-212, Bi-214, Ce-141, Ce-144, Co-57, Co-58, Co-60, Cr-51, Cs-134, Cs-137, Eu-152, Fe-59, I-131, I-133, K-40, Mn-54, Mo-99, Nb-95, Np-239, Pb-212, Pb-214, Ra-226, Ru-103, Ru-106, Sb-124, Sb-125, Se-75, Sr-90, Te/I-132, Tl-208, Zn-65, and Zr-95. Special REMP sampling for specific investigations, mostly in Sherman Reservoir, has also been conducted over the years. Additionally, a study of river and reservoir sediment (Bellini, 2000) was undertaken as a part of site characterization studies in support of license termination, using approved plant procedures and preferred sampling techniques. These samples were analyzed using gamma spectroscopy.

As expected, due to licensed liquid releases, Co-60 and Cs-137 were the only plant-related radionuclides consistently identified as being present and were found in low-levels in bottom sediment samples taken from the south end of Sherman Reservoir near the Circulating Water outfall. Slightly higher levels were found in the south end of the reservoir, most likely due to the increased amount of organic material in the sediments of that area. In general the amounts of Cs-137 and Co-60 decrease with distance downstream from the reservoir, and thus the impacts are localized to the south end of the reservoir and the areas in the immediate proximity of the storm drain outlets. Samples from other areas of the Sherman Reservoir and the Deerfield River contained no detectable amounts of plant-related radioactivity.

A follow-up sediment study (Bellini, 2001) implemented the recommendations for additional sediment sampling in the original study and reviewed more recent REMP data. In addition to performing gamma spectroscopy, sediment samples in the follow-up study were also analyzed for Sr-90. Although detected, the results for Sr-90 were consistent with background from fallout associated with nuclear weapons testing. The follow-up sediment sampling resulted in the identification of no significant presence of plant-related radioactivity in Wheeler Brook stream-bed upstream and the Deerfield River canals downstream of YNPS. The study did recommend follow-up sediment sampling as a part of the final status survey, which has been incorporated in the LTP.

A compilation of Sherman Reservoir sediment data from the HSA for Survey Area OOL-01 is included in Table 24.

4.4.2 *Oil and/or Hazardous Materials*

4.4.2.1 *Comparison to Background*

Sediment sampling results for Sherman Reservoir, West Storm Drain, Deerfield River, and Wheeler Brook were compared to background sediment results. Sampling results were compared to the maximum concentrations detected in background sediment samples for total VOCs, total SVOCs, DRO, and individual metals. Total PCBs were not detected in background sediment samples. Therefore, PCB results were compared to the average method detection limit for total PCBs in background sediment samples.

4.4.2.2 *Sherman Reservoir*

In August 2003, a total of 44 sediment samples, which included one duplicate, were collected from 36 sample locations in Sherman Reservoir

(SD-002 to SD-041). Sample results are detailed in Table 25 and presented in Figure 23. Within Sherman Reservoir, copper (SD-008 and SD-009) and lead (SD-011) were detected at concentrations greater than five times background. Lead (SD-012) was detected at concentrations greater than three times background. Metals detected at concentrations above background are near the circulating water discharge structure (SD-008 and SD-009) and the cooling water intake pipe (SD-011 and SD-012).

TPH-DRO was detected at concentrations greater than three times background at SD-041. This detection does not appear to be related to known site activities due to its distance from the site (approximately 700 feet from the shoreline), and its upstream location in relation to the site.

4.4.2.3 *Deerfield River*

In August 2003, a total of seven surficial sediment samples, which included one duplicate, were collected and analyzed from the Deerfield River (SD-201 to SD-206). Sample results are detailed in Table 25 and are presented in Figure 25.

Within the Deerfield River, copper (SD-204) was detected at concentrations greater than three times background. SD-204 is located in proximity to the confluence of the Deerfield River and the West Storm Drain Ditch.

In July 2004, 12 additional sediment samples, including 2 duplicates, were collected from the Deerfield River in proximity to SD-205, which is located near the confluence of the Deerfield River and the West Storm Drain Ditch. All 12 samples were submitted for analysis of PCBs. Sample results ranged from non-detect to 300 ug/kg.

4.2.2.4 *West Storm Drain Ditch*

In August 2003, a total of six shallow sediment samples, which included one duplicate, were collected from the West Storm Drain Ditch (SD-301 to SD-305), which discharges to the Deerfield River. Sample results are detailed in Table 25 and are presented in Figure 25. Within the West Storm Drain Ditch, total SVOCs (SD-303) and lead (SD-301) were detected at concentrations greater than five times background. Total SVOCs (SD-302) and lead (SD-304) were detected at concentrations greater than three times background and may be associated with runoff from parking areas at YNPS.

In June 2004, seven sediment samples, which included one duplicate, were collected from the West Storm Ditch to confirm the results of SD-302 and

SD-303. Sample locations SD-302 and SD-303 were resampled and additional samples were collected in proximity to these locations. The analytical results for total SVOCs ranged from non-detect to 4,893 ug/Kg. These sample results were substantially lower than the previous results, indicating that the previously detected levels of total SVOCs were not reproducible.

4.2.2.5 *Wheeler Brook*

In August 2003, a total of six surficial sediment samples were collected and analyzed from Wheeler Brook (SD-101 to SD-106). Sample results are detailed in Table 25 and are presented in Figure 25. All compounds and compound groups detected in Wheeler Brook were below site-specific background concentrations.

A total of 11 surface water samples, including one duplicate, were collected from five locations along Wheeler Brook (SW-1 to SW-5). Metals and VOCs were detected in surface water analytical results.

4.5 *FISH*

4.5.1 *Radiological Assessment*

Radiological assessment of fish in both Sherman Reservoir and at a control location, Harriman Reservoir, is provided in YNPS Annual REMP Reports. Samples are collected semi-annually. As expected in biological matter, naturally occurring K-40 was detected in all samples. No other gamma emitting radionuclides other than Cs-137 were detected in fish samples. The average Cs-137 concentrations are considered to be consistent with fallout from above ground nuclear weapons testing.

4.5.2 *OHM Assessment*

Fish samples were collected at the site to evaluate whether the release of PCBs related to the paint chip release were present in fish in Sherman Reservoir. Fish were collected during the Phase II Comprehensive Site Assessment from the East Storm Drain Area, the northern end of Sherman Reservoir and from Harriman Reservoir. PCBs were detected in the fish tissue samples collected in the East Storm Drain Area. The Phase II risk characterization determined that the levels of PCBs in fish detected near the East Storm Drain Outfall do not pose a risk to consumers of recreationally-caught fish. Both the carcinogenic and non-carcinogenic risks are below the Department's risk management criteria. Subsequently,

the fish tissues were analyzed for PCB congeners. The congener results were consistent with the PCB aroclor results.

Decommissioning activities are being completed in three phases:

- Phase 1: Mechanically/electrically isolate the Spent Fuel Pool, remove SSCs not supporting fuel storage, and remove fuel and GTCC waste from the SFP.
- Phase 2: Dismantlement and disposition of remaining systems, structures, and components (SSCs).
- Phase 3: Termination of the Part 50 license.

As discussed herein, Phase 1 has been completed. Phase 2 activities are ongoing. Site investigation and remedial actions are being conducted concurrent with Phase 2 decommissioning. Phase 3 is intended to occur following completion of all radiological decommissioning activities.

The following are general decontamination and dismantlement considerations that are being incorporated, as appropriate, into the activities for decommissioning the systems, components, and structures at YNPS.

- Radiological characterization survey data has been used to identify the systems, structures, and components to be decontaminated and dismantled. Characterization data have also been collected for soils and sediments in the vicinity of the plant.

- Detailed decommissioning work documents are being developed, reviewed, and approved in accordance with project and plant programs and procedures. These documents include plans for sampling for radioactivity in soils as demolition progresses. These data add to the characterization data and may be used to direct further excavation and decontamination as appropriate.

- Plant tag-out procedures are being used to de-energize electrical and control equipment, isolate and drain fluid systems, and isolate and depressurize pneumatic systems. Radiation Protection procedures will be used to ensure compliance with radiological requirements for contamination control and worker protection and ALARA programs. Occupation safety standards will be observed.

- Components are being identified prior to removal. The components are then removed using the techniques and methods as specified in the

decommissioning work packages. Components are either decontaminated or shipped to a low-level radioactive waste disposal facility or, if appropriate, shipped to an approved landfill.

- Contaminated structural steel components, on which a volume reduction process is being applied, may be moved to a processing area and packaged into containers for shipment to an off-site waste processing facility.

- Remaining portions of basements and slabs will be perforated to allow for groundwater and/or surface water infiltration.

- Remaining buried contaminated components (e.g., piping, drains, and conduit) are being excavated. After excavation, the components will be examined to ensure that they are physically sound prior to cutting and removal. Most buried contaminated piping is located in steel conduits (i.e., pipes enclosed in pipes).

- After completion of decommissioning and/or remediation activities and prior to final status survey, isolation and controls will be implemented.

- A final status survey will be performed to verify removal of contamination to below release levels.

Coatings will be removed, as required by local, state, and federal regulations. PCB paints will be removed from exposed concrete surfaces as required by the Alternate Method of Disposal Authorization (AMDA) requirements prior to demolition of the structure, as authorized by the EPA on 8 October 2002 and subsequent changes thereto.

In addition to dismantlement and decontamination activities, YAEC's proposed pathway and general schedule for completing the integrated assessment of radiological and OHM impacts to the environment at the site is summarized in Figure 26. Ongoing activities to support site closure are highlighted in the green blocks (ongoing through December 2005), key reporting components are highlighted in the yellow blocks (including this Phase II Report and the Site Closure Risk Assessment scheduled from October 2005 through March 2006) and the end-point to the closure process is described in the red block (targeted for the period from January to July 2006). Key components of the proposed closure pathway include:

- Ongoing coordination with MADEP (as the lead agency), other regulatory and public stakeholders on the results of site investigation and remedial actions. *January 2005 through July 2006.*

- Iterative site investigation (development of Field Sampling Plans, data collection and analysis), risk screening to determine the likelihood and/or need for remedial response actions by comparison of results to DCGLs and/or conservative risk-based thresholds (MCP Method 1 Standards), interim remedial measures as Release Abatement Measures (RAMs) for OHM or in accordance with NRC/DPH requirements for the management of radioactive materials and verification sampling and analysis to confirm compliance with target site closure requirements. *January 2005 through December 2005.*
- Completion of a site closure risk assessment integrating results of final radiological and OHM testing post-remediation, site restoration activities (re-grading and planting) and consideration of institutional controls (deed restrictions) to demonstrate that site conditions ensure long-term protection of human health, safety, public welfare and the environment. *October 2005 through March 2006.*
- Preparation of a final site closure documentation consistent with the MCP (targeting a Permanent Solution as a Class A-3 RAO), public meetings, DEP written approval of site closure and execution of ongoing monitoring and maintenance plans necessary to ensure compliance with site closure requirements and approvals. *January 2006 through June 2006 and on.*

YAEC's proposed environmental site closure pathway is intended to provide a general framework for coordination with the Department (as the lead regulatory agency) in an effort to establish agreement on specific deliverables and a schedule that will meet both YAEC's, the Department's and other regulatory and public stakeholders needs. YAEC encourages the Department and other regulatory and public stakeholders to provide constructive comment and input regarding this proposed pathway so that YAEC can achieve site closure on schedule in a safe responsible and reliable manner.

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1.0 RADIOACTIVE SAMPLE ANALYSIS METHODS

1.1 Overview

Several analysis methods are available for the measurement of radioactivity in environmental samples. The method used for analysis depends on the objective of the analysis and the isotope(s) of concern. Table 1 provides a summary of the radiation detection and analysis methods used in radioactivity sample analysis.

Table 1: Summary of Radiation Detection Methods

Radiation Detection Method	Used For...	Analysis Consideration
Gamma Spectroscopy	Gamma Emitters	Low Cost, Minor Sample Prep.
Gross Beta	Beta or Beta/Gamma Emitters	Moderate Cost, Requires Chemical Preparation
Gross Alpha	Alpha Emitters	Moderate Cost, Requires Chemical Preparation
Liquid Scintilation	Beta, Alpha, or Low Energy Gamma Emitters	Moderate to High Cost, May Require Chemical Preparation and Separations
Alpha Spectroscopy	Alpha Emitters	High Cost, Requires Separation Chemistry
Beta Spectroscopy	Beta Emitters	High Cost, Requires Separation Chemistry

1.2 Gamma Spectroscopy

As noted in Table 1, gamma spectroscopy is the least expensive method generally employed for sample analysis. This method is able to identify and quantify any radioisotope that emits gamma radiation with few exceptions. The most common type of detector currently used for this analysis is a High Purity Germanium (HPGe). Prior to the mid 1980s, germanium lithium (Ge(Li)) detectors were used in most gamma spectroscopy analysis, and, prior to the mid 1970s, sodium iodide (NaI)

were used. Sample preparation for gamma spectroscopy sample analysis generally involves either drying for soil samples, and/or, placing the sample into a specific container to control the geometry of the sample-detector system to match the detector calibration conditions.

1.3 *Gross Beta and Gross Alpha*

Gross beta and gross alpha analysis involves preparing a sample such that its potential radioactive constituents are removed and evaporated onto a small (2 inch diameter) steel planchete. This planchete is then placed under gas-flow proportional counter and counted for beta or alpha particles. This analysis method is sensitive to any radioisotope that emits beta or alpha particles including naturally occurring radionuclides. This method is incapable of identifying the specific radionuclides contained within a sample, only whether alpha of beta radiation is emitted from the sample.

1.4 *Liquid Scintillation*

Liquid scintillation analysis requires that the potential radioactivity be chemically removed from a sample and placed into a small (50 ml) vial containing liquid scintillation fluid. This vial is then placed into a scintillation counter. This analysis is capable of measuring radioactivity from radionuclides that emit low energy gamma radiation (not detected via gamma spectrometry), beta or alpha particles provided the radionuclides are chemically separated from the sample material during the sample preparation and processing. Depending on the specific analysis needed, the sample preparation and separation process for liquid scintillation analysis can be a substantial component of the analysis cost.

1.5 *Alpha and Beta Spectroscopy*

Similar to liquid scintillation analysis, this method requires that separation chemistry be performed on each sample. This process generally results in a thin layer of dried processed sample deposited on a steel planchete. This planchete is placed close to a spectroscopy detector where a specific "fingerprint" of particle energy is identified. This "fingerpint" is used to identify and quantify a specific radioisotope.

1.6 *Sample Analysis for Final Status Surveys*

Many of the radioisotopes not included in the LTP include the emission of gamma rays. All final status survey (FSS) samples will include analysis by gamma spectroscopy in the same way as the characterization samples

have included. As such, any of these radionuclides will be identified, if present, during the FSS despite their absence from the LTP.

In addition to performing gamma spectroscopy of all FSS samples, at least 5% of all samples will be analyzed for radionuclides that only emit beta or alpha particles. These analyses will be performed by either alpha spectroscopy or liquid scintillation. The samples selected for these expanded analysis will, in part, be based on the activity of each sample as measured by gamma spectroscopy. Given that all the production of each type of radioisotope is similar (AP versus FP) and that the chemical properties are not vastly different, then it is reasonable to expect that samples containing elevated levels of APs as identified by gamma spectroscopy are likely to contain elevated levels of other APs with no gamma ray emissions.

2.0 *RADIOLOGICAL ANALYSIS METHODS USED IN REMP*

2.1 *Gross Alpha & Beta Analysis*

Air particulate samples, collected on a weekly basis, aid in verifying the in-plant controls used for monitoring the release of radioactive materials. Air particulate samples are analyzed on a low background alpha/beta gas proportional counting unit, following a delay of a 100-hour minimum to allow for the decay of radon products. Blank filters of the same size and type as the client filters are used for background subtraction. If the beta activity concentration is greater than 0.2 pCi/m^3, the sample may need to be analyzed for individual gamma emitters. Each sample is composited by sampling location and held until the end of the quarter for a gamma isotopic analysis.

Environmental water samples are also analyzed for gross alpha and/or gross beta radioactivity. Samples are evaporated and a planchet containing the particulate residue is analyzed by a gas proportional counter. Measurable amounts of naturally occurring alpha and beta emitting radionuclides are often found in environmental water samples. Gross alpha and gross beta measurements are rapid screening methods which may indicate the need for a nuclide specific isotopic analysis.

2.2 *Gamma Spectrometry*

The following media are typically analyzed for gamma isotopic content:

- milk

- water
- charcoal cartridges
- airborne particulate filters
- fish/shellfish
- vegetation/food crops
- sediment/soil samples

Samples are prepared by various controlled methods (blending, drying, milling) in order to maximize the volume which can be analyzed, and to achieve sample homogeneity. In order to ensure the precision and accuracy of the gamma measurements, specific counting containers are used to load sample media in a reproducible manner. Samples are analyzed via high purity germanium based gamma ray spectrometry detection systems. The gamma spectrometry software accounts for baseline corrections, background peak interferences, and photopeak multiplet resolution. Detected photopeaks are identified using a comprehensive library, specifically tailored for environmental monitoring around nuclear power facilities.

Concentrations are calculated and reported for 27 radionuclides, whether they are present in the sample or not. These radionuclides, listed in Table 2 represent gamma emitters most appropriate for nuclear power plant effluents. The gamma spectrometry analysis exceeds the current NRC assay requirements (3 radionuclides for MDC or Reporting Levels) for this analysis at YNPS. In addition to the 27 reported radionuclides, another 16 radionuclides are included in the software library and will be identified, if present. Lastly, the gamma spectrometry software will report to the analyst all photopeaks found in the sample, whether identified or not. Thus, a radionuclide like Eu-154, with approximately ten measurable photopeaks, would be revealed by its unique combination of characteristic gamma photons, whether or not it is included in the library.

Table 2. Radionuclides Reported in Gamma Spectrometry Analysis

Radionuclide List for YR REMP Analysis		
AcTh-228	Co-60	Mn-54
Ag-108m	Cr-51	Nb-95
Ag-110m	Cs-134	Ru-103
Ba-140	Cs-137	Ru-106
Be-7	Fe-59	Sb-124
Ce-141	I-131	Sb-125
Ce-144	I-133	Se-75
Co-57	K-40	Zn-65
Co-58	La-140	Zr-95

2.3 *Iodine Analysis*

The required low detection limit for I-131 in milk, vegetation and water samples can only be achieved by radiochemical separation and concentration of the iodine.

The beta-gamma coincidence system is calibrated to detect the characteristic I-131 beta and gamma radiation. This system combines a plastic scintillator beta detector with a Na(I) gamma detector. Beta gamma coincidence counting allows for a very low background since the system is optimized for I-131 and therefore, increased detection sensitivity.

2.4 *Tritium Analysis*

The determination of tritium in environmental samples involves distillation and analysis of the pure distillate by liquid scintillation spectrometry. The tritium counting efficiency is determined using an efficiency curve generated as a function of the sample quench.

A multi-channel analyzer associated with the liquid scintillation counting system is optimized for the tritium beta energy. Additionally, the spectra are evaluated to ensure that the distilled samples are free of interferences.

2.5 *Strontium Analysis*

The determination of Sr-89, 90 in environmental media is achieved by pre-concentration followed by separation and purification followed by analysis for total strontium using the Cerenkov counting technique. The Cerenkov radiation, resulting from the interactions of the Sr-89 and Y-90 beta emissions in the liquid scintillation counter is detected and processed by the multi-channel analyzer. Following yttrium(Y)-90 in-growth, Sr-90 is separated and the Y-90 fraction is analyzed by Cerenkov counting. The concentrations of each strontium isotope are determined mathematically based on the two measured results.

3.0 *LABORATORY QUALITY ASSURANCE PROGRAM*

The quality assurance program at the Framatome-ANP Laboratory (FANP) is designed to serve two overall purposes: 1) Establish a measure of confidence in the measurement process to assure the licensee, regulatory agencies, and the public that analytical results are accurate and precise; and 2) Identify deficiencies in the sampling and/or measurement process to those responsible for these operations so that corrective action

can be taken. Quality assurance is applied to all steps of the measurement process, including the collection, measurement and reporting of data, as well as to record keeping of the final results. Quality control, as part of the quality assurance program, provides a means to control and measure the characteristics of the measurement equipment and processes, relative to established requirements.

The FANP employs a comprehensive quality assurance program designed to monitor the quality of analytical processing to ensure reliable environmental monitoring data. The program includes the use of controlled procedures for all work activities, a nonconformance and corrective action tracking system, systematic internal audits, audits by external groups, a laboratory quality control program, and a staff training program. Monitoring programs include the Intra-laboratory Quality Control Program administered by the Laboratory QA Officer (used in conjunction with the National Institute of Standards and Technology Measurement Assurance Program, NIST MAP) and a third party cross check program administered by Analytics, Inc. Together these programs are targeted to supply QC/QA samples at 5% of the client sample analysis load. In addition, a blind duplicate program is conducted through client environmental monitoring programs.

A yearly summary of the FANP Laboratory performance on Quality Assurance samples is provided in the Annual Radiological Environmental Operating Report that is submitted to the NRC.

Appendix B
Boron Method 2 GW-1
Calculation

Calculation of Method 2 GW-1 Standard for Boron

(1) Background
Detection in DW002 - Furlon House Potable Well
0.0336 mg/L

(2) GW-1 Standard

a) Non-cancer value
[OHM]=(RfD x 7,000)/RAF-oral
[OHM]= (0.2 x 7,000)/1 * Note: Default RAF of 1
[OHM]= **1400** ug/L
1.4 mg/L

b) Cancer value
Non-carcinogenic

c) odor threshold
N/A

d) Lowest non-zero value from a-c
1.4 mg/L

e) Background
0.0336 mg/L

f) PQL
0.1 mg/L

g) Highest of d-f is Method 2 GW-1 Standard
1.4 mg/L

Revised Tables and Figures

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-001-F		
Ag-108m	ND	4.472E-02
Am-241	ND	1.083E+00
Co-60	ND	4.218E-02
Cs-134	ND	4.921E-02
Cs-137	ND	4.825E-02
Eu-152	ND	1.362E-01
Eu-154	ND	1.180E-01
Eu-155	ND	2.608E-01
Nb-94	ND	2.813E-02
Sb-125	1.290E-01	9.865E-02
C-14	2.700E-01	1.880E-01
Cm-243	ND	6.690E-02
Fe-55	ND	8.170E+00
Ni-63	ND	2.330E+00
Pu-238	ND	6.640E-02
Pu-239	ND	5.190E-02
Pu-241	ND	1.090E+01
Sr-90	ND	3.280E-02
Tc-99	ND	2.530E-01
NOL-01-01-002-F		
Ag-108m	ND	6.326E-02
Am-241	ND	2.546E-01
Co-60	ND	5.801E-02
Cs-134	ND	5.146E-02
Cs-137	ND	5.835E-02
Eu-152	ND	1.414E-01
Eu-154	ND	9.175E-02
Eu-155	ND	1.604E-01
Nb-94	ND	3.431E-02
Sb-125	1.390E-01	1.094E-01
NOL-01-01-003-F		
Ag-108m	NA	9.601E-02
Am-241	ND	2.686E-01
Co-60	ND	5.663E-02
Cs-134	ND	1.036E-01
Cs-137	1.369E-01	5.059E-02
Eu-152	ND	1.211E-01
Eu-154	ND	1.074E-01
Eu-155	ND	1.687E-01
Nb-94	ND	4.153E-02
Sb-125	ND	1.500E-01
NOL-01-01-004-F		
Ag-108m	ND	4.443E-02
Am-241	ND	1.064E+00
Co-60	ND	4.230E-02
Cs-134	ND	9.541E-02
Cs-137	9.555E-02	3.983E-02
Eu-152	ND	1.448E-01
Eu-154	ND	1.070E-01
Eu-155	ND	1.844E-01
Nb-94	ND	2.198E-02
Sb-125	ND	9.974E-02

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-005-F		
Ag-108m	NA	7.307E-02
Am-241	ND	1.070E+00
Co-60	6.770E-02	3.557E-02
Cs-134	NA	9.281E-02
Cs-137	1.414E-01	5.162E-02
Eu-152	ND	1.506E-01
Eu-154	ND	1.102E-01
Eu-155	ND	2.590E-01
Nb-94	ND	2.856E-02
Sb-125	ND	1.175E-01
C-14	4.860E+00	1.280E-01
Cm-243	ND	1.820E-01
Fe-55	ND	8.080E+00
H-3	ND	3.970E+00
Nb-95	ND	6.390E-02
Ni-63	ND	2.500E+00
Pu-238	ND	1.180E-01
Pu-239	ND	9.370E-02
Pu-241	ND	7.200E+00
Sr-90	ND	2.730E-02
Tc-99	ND	3.040E-01
U-235	ND	2.540E-01
U-238	ND	1.920E+00
NOL-01-01-006-F		
Ag-108m	ND	5.571E-02
Am-241	ND	3.065E-01
Co-60	ND	5.479E-02
Cs-134	ND	3.864E-02
Cs-137	3.347E-01	5.978E-02
Eu-152	ND	1.508E-01
Eu-154	ND	1.087E-01
Eu-155	ND	1.796E-01
Nb-94	ND	5.091E-02
Sb-125	ND	1.474E-01
C-14	2.630E-01	2.080E-01
Cm-243	ND	1.820E-01
Fe-55	ND	6.440E+00
H-3	ND	4.170E+00
Nb-95	ND	6.460E-02
Ni-63	ND	2.020E+00
Pu-238	ND	1.620E-01
Pu-239	ND	1.430E-01
Pu-241	ND	7.640E+00
Sr-90	ND	2.540E-02
Tc-99	ND	2.670E-01
U-235	ND	2.630E-01
U-238	ND	1.720E+00

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-007-F		
Ag-108m	ND	6.677E-02
Am-241	ND	2.939E-01
Co-60	ND	4.442E-02
Cs-134	ND	4.807E-02
Cs-137	9.316E-02	6.431E-02
Eu-152	ND	1.496E-01
Eu-154	ND	1.108E-01
Eu-155	ND	1.815E-01
Nb-94	ND	4.890E-02
Sb-125	ND	1.382E-01
Ag-108m	ND	4.860E-02
Am-241	ND	1.027E+00
Co-60	ND	4.009E-02
Cs-134	ND	1.639E-02
Cs-137	9.665E-02	4.886E-02
Eu-152	ND	1.598E-01
Eu-154	ND	1.130E-01
Eu-155	ND	2.496E-01
Nb-94	ND	3.463E-02
Sb-125	ND	1.085E-01
C-14	ND	1.320E-01
Cm-243	ND	2.020E-01
Fe-55	ND	5.270E+00
H-3	ND	3.640E+00
Nb-95	ND	5.790E-02
Ni-63	ND	2.280E+00
Pu-238	ND	1.130E-01
Pu-239	ND	1.940E-01
Pu-241	ND	7.850E+00
Sr-90	ND	2.780E-02
Tc-99	ND	3.160E-01
U-235	ND	2.220E-01
U-238	ND	1.380E+00
NOL-01-01-009-F		
Ag-108m	ND	5.827E-02
Am-241	ND	6.261E-01
Co-60	ND	4.448E-02
Cs-134	ND	1.038E-01
Cs-137	6.359E-02	5.286E-02
Eu-152	ND	1.293E-01
Eu-154	ND	1.184E-01
Eu-155	ND	2.469E-01
Nb-94	ND	4.750E-02
Sb-125	ND	1.344E-01

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-010-F		
Ag-108m	ND	1.090E-01
Am-241	ND	2.858E-01
Co-60	1.845E-01	4.528E-02
Cs-134	ND	9.334E-02
Cs-137	ND	5.638E-02
Eu-152	ND	1.387E-01
Eu-154	ND	1.075E-01
Eu-155	ND	1.360E-01
Nb-94	ND	5.269E-02
Sb-125	ND	1.412E-01
C-14	ND	1.540E-01
Cm-243	ND	7.340E-02
Fe-55	ND	3.440E+00
Ni-63	ND	1.940E+00
Pu-238	ND	5.200E-02
Pu-239	ND	4.130E-02
Pu-241	ND	8.950E+00
Sr-90	ND	3.080E-02
Tc-99	ND	2.430E-01
NOL-01-01-011-F		
Ag-108m	ND	4.757E-02
Am-241	ND	6.823E-01
Co-60	ND	5.843E-02
Cs-134	ND	4.848E-02
Cs-137	ND	5.313E-02
Eu-152	ND	1.543E-01
Eu-154	ND	9.358E-02
Eu-155	ND	2.299E-01
Nb-94	ND	4.644E-02
Sb-125	ND	1.444E-01
C-14	ND	1.710E-01
Cm-243	ND	1.180E-01
Fe-55	ND	3.420E+00
Ni-63	ND	2.340E+00
Pu-238	ND	7.240E-02
Pu-239	ND	6.390E-02
Pu-241	ND	9.510E+00
Sr-90	ND	2.800E-02
Tc-99	ND	2.430E-01
NOL-01-01-012-F		
Ag-108m	ND	4.828E-02
Am-241	ND	1.069E+00
Co-60	ND	3.847E-02
Cs-134	ND	3.973E-02
Cs-137	ND	3.961E-02
Eu-152	ND	1.390E-01
Eu-154	ND	8.600E-02
Eu-155	ND	2.139E-01
Nb-94	ND	2.574E-02
Sb-125	1.114E-01	9.342E-02
C-14	ND	1.310E-01
Cm-243	ND	1.820E-01
Fe-55	ND	7.180E+00
H-3	ND	4.250E+00
Nb-95	ND	6.500E-02
Ni-63	ND	2.400E+00
Pu-238	ND	9.860E-02
Pu-239	ND	8.630E-02
Pu-241	ND	8.400E+00
Sr-90	ND	3.360E-02
Tc-99	ND	3.080E-01
U-235	ND	2.230E-01
U-238	ND	1.440E+00

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-013-F		
Ag-108m	ND	6.543E-02
Am-241	ND	1.052E+00
Co-60	ND	3.943E-02
Cs-134	ND	9.426E-02
Cs-137	ND	4.023E-02
Eu-152	ND	1.478E-01
Eu-154	ND	1.111E-01
Eu-155	ND	2.280E-01
Nb-94	ND	3.013E-02
Sb-125	1.071E-01	9.500E-02
NOL-01-01-014-F		
Ag-108m	ND	3.476E-02
Am-241	ND	1.181E+00
Co-60	ND	4.371E-02
Cs-134	ND	9.943E-02
Cs-137	ND	4.905E-02
Eu-152	ND	1.557E-01
Eu-154	ND	1.098E-01
Eu-155	ND	2.509E-01
Nb-94	ND	2.735E-02
Sb-125	ND	1.159E-01
C-14	ND	1.460E-01
Cm-243	ND	7.900E-02
Fe-55	ND	4.580E+00
Ni-63	ND	2.690E+00
Pu-238	ND	5.010E-02
Pu-239	ND	8.590E-02
Pu-241	ND	8.650E+00
Sr-90	ND	2.850E-02
Tc-99	ND	2.560E-01
NOL-01-01-015-F		
Ag-108m	ND	2.877E-02
Am-241	ND	1.220E+00
Co-60	ND	4.188E-02
Cs-134	ND	6.122E-02
Cs-137	ND	3.274E-02
Eu-152	ND	1.587E-01
Eu-154	ND	1.143E-01
Eu-155	ND	2.540E-01
Nb-94	NA	3.546E-02
Sb-125	ND	1.203E-01
NOL-01-01-016-F		
Ag-108m	ND	5.198E-02
Am-241	ND	1.132E+00
Co-60	ND	3.576E-02
Cs-134	ND	9.328E-02
Cs-137	ND	4.676E-02
Eu-152	ND	1.577E-01
Eu-154	ND	1.075E-01
Eu-155	ND	2.053E-01
Nb-94	ND	3.888E-02
Sb-125	9.639E-02	8.866E-02

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
NOL-01-01-017-F		
Ag-108m	ND	5.046E-02
Am-241	ND	1.076E+00
Co-60	ND	3.577E-02
Cs-134	ND	8.597E-02
Cs-137	ND	3.549E-02
Eu-152	ND	1.400E-01
Eu-154	1.221E-01	8.759E-02
Eu-155	ND	2.237E-01
Nb-94	ND	3.784E-02
Sb-125	ND	1.004E-01
C-14	ND	1.290E-01
Cm-243	ND	1.580E-01
Fe-55	ND	7.020E+00
H-3	6.890E+00	4.020E+00
Nb-95	ND	7.400E-02
Ni-63	ND	2.480E+00
Pu-238	ND	1.370E-01
Pu-239	ND	7.240E-02
Pu-241	ND	7.480E+00
Sr-90	ND	2.670E-02
Tc-99	ND	2.870E-01
U-235	ND	2.920E-01
U-238	ND	1.900E+00
NOL-01-02-001-F		
Ag-108m	ND	6.138E-02
Am-241	ND	6.657E-01
Co-60	ND	6.456E-02
Cs-134	ND	9.353E-02
Cs-137	3.692E-01	7.240E-02
Eu-152	ND	1.811E-01
Eu-154	ND	1.239E-01
Eu-155	ND	2.831E-01
Nb-94	ND	4.839E-02
Sb-125	ND	1.338E-01
C-14	ND	1.440E-01
Cm-243	ND	4.530E-02
Fe-55	ND	4.410E+00
Nb-95	ND	1.120E-01
Ni-63	ND	2.000E+00
Pu-238	ND	6.550E-02
Pu-239	ND	5.350E-02
Pu-241	ND	9.410E+00
Sr-90	ND	3.920E-02
Tc-99	ND	2.900E-01
U-235	ND	2.510E-01
U-238	ND	1.630E+00
NOL-01-02-002-F		
Ag-108m	ND	6.819E-02
Am-241	ND	6.969E-01
Co-60	ND	5.582E-02
Cs-134	ND	6.075E-02
Cs-137	3.065E-01	6.931E-02
Eu-152	ND	1.750E-01
Eu-154	ND	1.265E-01
Eu-155	ND	2.133E-01
Nb-94	ND	5.705E-02
Sb-125	ND	1.525E-01
C-14	ND	1.550E-01
Cm-243	ND	3.540E-02
Fe-55	ND	4.270E+00
Nb-95	ND	1.270E-01
Ni-63	ND	2.250E+00
Pu-238	ND	7.070E-02
Pu-239	ND	6.800E-02
Pu-241	ND	9.980E+00
Sr-90	ND	4.000E-02
Tc-99	ND	2.710E-01
U-235	ND	3.230E-01
U-238	9.200E-01	8.490E-01

Table 4 (Revised)
Summary of Radiological
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Rowe, MA

Radionuclide	Activity	MDC
NOL-01-02-003-F		
Ag-108m	ND	7.874E-02
Am-241	ND	9.002E-01
Co-60	2.769E-01	6.162E-02
Cs-134	ND	7.760E-02
Cs-137	3.677E-01	8.814E-02
Eu-152	ND	2.159E-01
Eu-154	ND	1.468E-01
Eu-155	ND	3.352E-01
Nb-94	ND	7.042E-02
Sb-125	ND	1.931E-01
C-14	ND	1.290E-01
Cm-243	ND	1.180E-01
Fe-55	ND	4.890E+00
H-3	ND	6.780E+00
Nb-95	ND	2.240E-01
Ni-63	ND	1.550E+00
Pu-238	ND	8.190E-02
Pu-239	ND	1.000E-01
Pu-241	ND	7.020E+00
Sr-90	ND	2.280E-02
Tc-99	ND	3.620E-01
U-235	ND	2.370E-01
U-238	9.190E-01	5.610E-01
NOL-01-02-004-F		
Ag-108m	ND	5.778E-02
Am-241	ND	7.217E-01
Co-60	ND	6.744E-02
Cs-134	ND	1.053E-01
Cs-137	ND	4.566E-02
Eu-152	ND	1.643E-01
Eu-154	ND	1.189E-01
Eu-155	ND	2.592E-01
Nb-94	ND	5.065E-02
Sb-125	ND	1.376E-01
C-14	ND	1.530E-01
Cm-243	ND	4.290E-02
Fe-55	ND	5.390E+00
Nb-95	ND	9.510E-02
Ni-63	ND	2.380E+00
Pu-238	ND	6.940E-02
Pu-239	ND	3.170E-02
Pu-241	ND	1.090E+01
Sr-90	ND	4.890E-02
Tc-99	ND	2.980E-01
U-235	ND	2.450E-01
U-238	ND	7.430E-01
NOL-01-02-005-F		
Ag-108m	ND	7.042E-02
Am-241	ND	6.407E-01
Co-60	ND	8.684E-02
Cs-134	ND	5.333E-02
Cs-137	1.355E-01	8.267E-02
Eu-152	ND	2.045E-01
Eu-154	ND	1.272E-01
Eu-155	ND	2.982E-01
Nb-94	ND	5.661E-02
Sb-125	ND	1.525E-01
C-14	ND	1.770E-01
Cm-243	ND	2.120E-01
Fe-55	ND	6.330E+00
H-3	ND	7.790E+00
Nb-95	ND	4.400E-02
Ni-63	ND	2.980E+00
Pu-238	ND	1.960E-01
Pu-239	ND	2.440E-01
Pu-241	ND	5.860E+00
Sr-90	ND	2.940E-02
Tc-99	ND	2.690E-01
U-235	ND	1.540E-01
U-238	6.050E-01	4.120E-01

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
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Radionuclide	Activity	MDC
NOL-01-02-006-F		
Ag-108m	ND	6.947E-02
Am-241	ND	6.727E-01
Co-60	ND	6.021E-02
Cs-134	ND	5.578E-02
Cs-137	1.261E-01	6.116E-02
Eu-152	ND	1.718E-01
Eu-154	ND	1.150E-01
Eu-155	ND	2.596E-01
Nb-94	ND	5.165E-02
Sb-125	ND	1.571E-01
C-14	ND	1.610E-01
Cm-243	ND	6.440E-02
Fe-55	ND	1.640E+01
Nb-95	ND	5.790E-02
Ni-63	ND	2.290E+00
Pu-238	ND	6.640E-02
Pu-239	ND	6.410E-02
Pu-241	ND	1.150E+01
Sr-90	ND	3.440E-02
Tc-99	ND	2.650E-01
U-235	ND	1.880E-01
U-238	1.740E+00	1.320E+00
NOL-01-02-007-F		
Ag-108m	ND	8.532E-02
Am-241	ND	7.011E-01
Co-60	1.636E-01	5.600E-02
Cs-134	ND	4.552E-02
Cs-137	4.014E-01	9.258E-02
Eu-152	ND	1.944E-01
Eu-154	ND	1.401E-01
Eu-155	ND	2.993E-01
Nb-94	NA	8.195E-02
Sb-125	ND	1.562E-01
C-14	ND	1.780E-01
Cm-243	ND	4.920E-02
Fe-55	ND	5.400E+00
Nb-95	ND	6.760E-02
Ni-63	ND	2.810E+00
Pu-238	ND	6.000E-02
Pu-239	ND	6.650E-02
Pu-241	ND	9.530E+00
Sr-90	ND	2.790E-02
Tc-99	ND	2.800E-01
U-235	ND	2.010E-01
U-238	ND	9.500E-01
NOL-01-02-008-F		
Ag-108m	ND	7.731E-02
Am-241	ND	6.066E-01
Co-60	2.515E-01	7.067E-02
Cs-134	ND	1.050E-01
Cs-137	5.643E-01	8.461E-02
Eu-152	ND	1.921E-01
Eu-154	ND	1.347E-01
Eu-155	ND	2.938E-01
Nb-94	ND	6.035E-02
Sb-125	ND	2.002E-01
C-14	ND	1.570E-01
Cm-243	ND	3.420E-02
Fe-55	ND	4.440E+00
Nb-95	ND	1.260E-01
Ni-63	ND	2.390E+00
Pu-238	ND	4.460E-02
Pu-239	ND	6.080E-02
Pu-241	ND	1.080E+01
Sr-90	ND	3.620E-02
Tc-99	ND	2.890E-01
U-235	ND	2.830E-01
U-238	1.350E+00	7.490E-01

Table 4 (Revised)
Summary of Radiological
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Radionuclide	Activity	MDC
NOL-01-02-009-F		
Ag-108m	ND	6.774E-02
Am-241	ND	7.550E-01
Co-60	9.806E-02	7.893E-02
Cs-134	ND	5.049E-02
Cs-137	1.934E+00	7.636E-02
Eu-152	ND	1.924E-01
Eu-154	ND	1.407E-01
Eu-155	ND	2.941E-01
Nb-94	ND	5.896E-02
Sb-125	ND	2.008E-01
C-14	ND	1.350E-01
Cm-243	ND	1.870E-02
Fe-55	ND	4.880E+00
Nb-95	ND	1.230E-01
Ni-63	ND	2.280E+00
Pu-238	ND	4.480E-02
Pu-239	ND	3.820E-02
Pu-241	ND	1.020E+01
Sr-90	ND	3.460E-02
Tc-99	ND	3.100E-01
U-235	ND	3.130E-01
U-238	ND	8.840E-01
NOL-01-02-010-F		
Ag-108m	ND	6.496E-02
Am-241	ND	6.220E-01
Co-60	ND	6.985E-02
Cs-134	ND	1.015E-01
Cs-137	ND	6.624E-02
Eu-152	ND	1.741E-01
Eu-154	ND	1.311E-01
Eu-155	ND	2.863E-01
Nb-94	ND	6.161E-02
Sb-125	ND	1.476E-01
C-14	ND	1.730E-01
Cm-243	ND	2.250E-01
Fe-55	ND	5.270E+00
H-3	ND	8.000E+00
Nb-95	ND	3.730E-02
Ni-63	ND	2.520E+00
Pu-238	ND	2.820E-01
Pu-239	ND	1.380E-01
Pu-241	ND	5.960E+00
Sr-90	ND	3.580E-02
Tc-99	ND	3.540E-01
U-235	ND	1.700E-01
U-238	ND	1.310E+00
NOL-01-02-011-F		
Ag-108m	ND	5.911E-02
Am-241	ND	6.365E-01
Co-60	ND	5.930E-02
Cs-134	ND	6.407E-02
Cs-137	ND	5.733E-02
Eu-152	ND	1.737E-01
Eu-154	ND	1.127E-01
Eu-155	ND	2.696E-01
Nb-94	ND	4.452E-02
Sb-125	ND	1.524E-01
C-14	ND	1.560E-01
Cm-243	ND	5.480E-02
Fe-55	ND	4.410E+00
Nb-95	ND	9.500E-02
Ni-63	ND	2.790E+00
Pu-238	ND	7.080E-02
Pu-239	ND	3.800E-02
Pu-241	ND	1.050E+01
Sr-90	ND	3.830E-02
Tc-99	ND	2.880E-01
U-235	ND	2.180E-01
U-238	9.530E-01	5.840E-01

Table 4 (Revised)
Summary of Radiological
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Radionuclide	Activity	MDC
NOL-01-02-012-F		
Ag-108m	ND	7.388E-02
Am-241	ND	7.729E-01
Co-60	1.219E-01	4.270E-02
Cs-134	ND	5.288E-02
Cs-137	3.421E-01	7.095E-02
Eu-152	ND	1.829E-01
Eu-154	ND	1.334E-01
Eu-155	ND	2.915E-01
Nb-94	ND	7.135E-02
Sb-125	ND	1.689E-01
C-14	ND	1.750E-01
Cm-243	ND	8.360E-02
Fe-55	ND	3.830E+00
Nb-95	ND	7.340E-02
Ni-63	ND	1.880E+00
Pu-238	ND	1.370E-01
Pu-239	ND	5.650E-02
Pu-241	ND	7.110E+00
Sr-90	ND	4.310E-02
Tc-99	ND	3.830E-01
U-235	ND	1.840E-01
U-238	1.690E+00	1.510E+00
NOL-01-02-013-F		
Ag-108m	ND	5.060E-02
Am-241	ND	7.449E-01
Co-60	3.619E-01	7.293E-02
Cs-134	ND	6.954E-02
Cs-137	5.560E-01	8.025E-02
Eu-152	ND	1.895E-01
Eu-154	ND	1.307E-01
Eu-155	ND	3.046E-01
Nb-94	ND	6.410E-02
Sb-125	ND	1.714E-01
C-14	ND	1.690E-01
Cm-243	ND	7.420E-02
Fe-55	ND	4.290E+00
Nb-95	ND	6.370E-02
Ni-63	ND	1.960E+00
Pu-238	ND	1.440E-01
Pu-239	ND	9.750E-02
Pu-241	ND	7.870E+00
Sr-90	1.130E-01	2.150E-02
Tc-99	ND	3.970E-01
U-235	ND	1.450E-01
U-238	ND	8.540E-01
NOL-01-02-014-F		
Ag-108m	2.010E-01	0.08417
Ag-110m	ND	0.0386
Am-241	ND	0.789
Ba-133	ND	0.0376
Ce-141	ND	0.172
Co-60	1.418E-01	0.07499
Cs-134	ND	0.07042
Cs-137	1.270E-01	0.05575
Eu-152	ND	0.1993
Eu-154	ND	0.1479
Eu-155	ND	0.2879
Nb-94	NA	0.06937
Nb-95	ND	0.124
Sb-125	ND	0.1806
U-235	ND	0.197
U-238	ND	1.19
C-14	ND	0.181
Cm-243	ND	0.0658
Fe-55	ND	4.27
Ni-63	ND	1.85
Pu-238	ND	0.106
Pu-239	ND	0.179
Pu-241	ND	8.26
Sr-90	ND	0.0342
Tc-99	ND	0.381

Table 4 (Revised)
Summary of Radiological
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Radionuclide	Activity	MDC
NOL-01-02-015-F		
Ag-108m	ND	6.164E-02
Am-241	ND	6.447E-01
Co-60	ND	5.207E-02
Cs-134	ND	9.118E-02
Cs-137	2.253E-01	5.614E-02
Eu-152	ND	1.562E-01
Eu-154	ND	1.083E-01
Eu-155	ND	2.474E-01
Nb-94	ND	4.915E-02
Sb-125	ND	1.246E-01
C-14	ND	1.650E-01
Cm-243	ND	4.950E-02
Fe-55	ND	5.510E+00
Nb-95	ND	6.350E-02
Ni-63	ND	2.230E+00
Pu-238	ND	5.790E-02
Pu-239	ND	6.800E-02
Pu-241	ND	9.210E+00
Sr-90	ND	3.070E-02
Tc-99	ND	2.790E-01
U-235	ND	1.380E-01
U-238	3.830E-01	3.560E-01
NOL-01-03-001-F		
Ag-108m	ND	8.208E-02
Am-241	ND	6.957E-01
Co-60	7.048E-02	6.325E-02
Cs-134	ND	6.972E-02
Cs-137	3.859E-01	6.817E-02
Eu-152	ND	1.685E-01
Eu-154	ND	1.279E-01
Eu-155	ND	2.701E-01
Nb-94	ND	4.250E-02
Sb-125	ND	1.680E-01
NOL-01-03-002-F		
Ag-108m	ND	7.276E-02
Am-241	ND	8.275E-01
Co-60	8.584E-02	6.269E-02
Cs-134	ND	5.678E-02
Cs-137	5.021E-01	7.263E-02
Eu-152	ND	2.091E-01
Eu-154	ND	1.399E-01
Eu-155	ND	3.123E-01
Nb-94	ND	5.479E-02
Sb-125	ND	1.843E-01
NOL-01-03-003-F		
Ag-108m	5.922E-02	4.428E-02
Am-241	ND	6.631E-01
Co-60	6.645E-02	5.176E-02
Cs-134	ND	5.900E-02
Cs-137	2.765E-01	5.832E-02
Eu-152	ND	1.876E-01
Eu-154	ND	1.083E-01
Eu-155	ND	2.617E-01
Nb-94	ND	6.055E-02
Sb-125	ND	1.463E-01
Ag-108m	ND	7.233E-02
Am-241	ND	6.969E-01
Co-60	ND	6.868E-02
Cs-134	ND	6.093E-02
Cs-137	2.175E-01	7.952E-02
Eu-152	ND	1.855E-01
Eu-154	ND	1.315E-01
Eu-155	ND	2.972E-01
Nb-94	ND	4.902E-02
Sb-125	1.491E-01	1.377E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-01-03-005-F		
Ag-108m	ND	7.406E-02
Am-241	ND	7.322E-01
Co-60	ND	6.574E-02
Cs-134	ND	4.332E-02
Cs-137	8.884E-02	5.970E-02
Eu-152	ND	1.740E-01
Eu-154	ND	1.248E-01
Eu-155	ND	2.810E-01
Nb-94	ND	4.629E-02
Sb-125	ND	1.539E-01
Ag-108m	ND	7.039E-02
Am-241	ND	7.755E-01
Co-60	4.876E-01	4.008E-02
Cs-134	NA	1.190E-01
Cs-137	1.477E+00	7.411E-02
Eu-152	ND	1.963E-01
Eu-154	ND	1.403E-01
Eu-155	ND	2.857E-01
Nb-94	ND	6.154E-02
Sb-125	ND	2.007E-01
NOL-01-03-007-F		
Ag-108m	ND	6.091E-02
Am-241	ND	5.122E-01
Co-60	ND	6.341E-02
Cs-134	ND	6.792E-02
Cs-137	ND	6.731E-02
Eu-152	ND	1.814E-01
Eu-154	ND	1.313E-01
Eu-155	ND	2.699E-01
Nb-94	ND	5.876E-02
Sb-125	ND	1.505E-01
NOL-01-03-008-F		
Ag-108m	2.325E-01	7.295E-02
Am-241	ND	3.400E-01
Co-60	ND	4.937E-02
Cs-134	ND	5.450E-02
Cs-137	1.180E+00	6.750E-02
Eu-152	ND	1.519E-01
Eu-154	1.660E-01	1.156E-01
Eu-155	ND	1.927E-01
Nb-94	ND	4.333E-02
Sb-125	ND	1.538E-01
NOL-01-03-009-F		
Ag-108m	NA	8.379E-02
Am-241	ND	6.541E-01
Co-60	ND	5.587E-02
Cs-134	ND	5.624E-02
Cs-137	1.252E-01	6.071E-02
Eu-152	ND	1.786E-01
Eu-154	ND	1.210E-01
Eu-155	ND	2.648E-01
Nb-94	ND	4.582E-02
Sb-125	ND	1.447E-01
NOL-01-03-010-F		
Ag-108m	ND	5.748E-02
Am-241	ND	2.940E-01
Co-60	ND	4.999E-02
Cs-134	ND	4.792E-02
Cs-137	ND	5.123E-02
Eu-152	ND	1.346E-01
Eu-154	ND	8.763E-02
Eu-155	ND	1.358E-01
Nb-94	ND	4.889E-02
Sb-125	ND	1.495E-01

Table 4 (Revised)
Summary of Radiological
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Radionuclide	Activity	MDC
NOL-01-03-011-F		
Ag-108m	NA	9.008E-02
Am-241	ND	2.964E-01
Co-60	ND	4.934E-02
Cs-134	3.322E-02	2.304E-02
Cs-137	ND	4.458E-02
Eu-152	ND	1.504E-01
Eu-154	ND	1.009E-01
Eu-155	ND	1.725E-01
Nb-94	ND	4.778E-02
Sb-125	ND	1.337E-01
C-14	2.930E-01	1.820E-01
Cm-243	ND	2.770E-01
Fe-55	ND	1.430E+01
H-3	ND	4.070E+00
Nb-95	ND	9.740E-02
Ni-63	ND	5.760E+00
Pu-238	ND	2.280E-01
Pu-239	1.870E-01	1.480E-01
Pu-241	2.190E+01	8.110E+00
Sr-90	ND	1.460E+00
Tc-99	ND	4.630E-01
U-235	ND	4.720E-01
U-238	ND	4.030E+00
NOL-01-03-012-F		
Ag-108m	ND	6.995E-02
Am-241	ND	2.569E-01
Co-60	ND	5.468E-02
Cs-134	ND	5.543E-02
Cs-137	ND	5.917E-02
Eu-152	ND	1.591E-01
Eu-154	ND	1.111E-01
Eu-155	ND	1.838E-01
Nb-94	ND	5.195E-02
Sb-125	ND	1.486E-01
NOL-01-03-013-F		
Ag-108m	ND	5.797E-02
Am-241	ND	2.989E-01
Co-60	8.031E-02	4.798E-02
Cs-134	ND	1.062E-01
Cs-137	ND	5.446E-02
Eu-152	ND	1.516E-01
Eu-154	ND	1.094E-01
Eu-155	ND	1.797E-01
Nb-94	ND	3.913E-02
Sb-125	ND	1.232E-01
NOL-01-03-014-F		
Ag-108m	ND	5.402E-02
Am-241	ND	3.166E-01
Co-60	ND	5.263E-02
Cs-134	ND	5.969E-02
Cs-137	ND	5.825E-02
Eu-152	ND	1.356E-01
Eu-154	ND	9.753E-02
Eu-155	ND	1.802E-01
Nb-94	ND	6.451E-02
Sb-125	1.318E-01	1.273E-01
C-14	4.660E-01	1.840E-01
Cm-243	ND	2.520E-01
Fe-55	ND	1.740E+01
H-3	ND	4.310E+00
Nb-95	ND	7.070E-02
Ni-63	ND	5.730E+00
Pu-238	ND	1.480E-01
Pu-239	ND	2.040E-01
Pu-241	ND	1.080E+01
Sr-90	ND	1.220E+00
Tc-99	ND	5.510E-01
U-235	ND	3.480E-01
U-238	ND	1.010E+00

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-01-03-015-F		
Ag-108m	ND	4.305E-02
Am-241	ND	6.610E-01
Co-60	ND	5.489E-02
Cs-134	ND	6.040E-02
Cs-137	ND	5.965E-02
Eu-152	ND	1.722E-01
Eu-154	ND	1.303E-01
Eu-155	ND	2.728E-01
Nb-94	ND	5.119E-02
Sb-125	ND	1.266E-01
NOL-01-04-001-F		
Ag-108m	ND	7.033E-02
Am-241	ND	6.838E-01
Co-60	ND	5.086E-02
Cs-134	ND	1.247E-01
Cs-137	ND	7.054E-02
Eu-152	ND	1.818E-01
Eu-154	ND	1.263E-01
Eu-155	ND	2.622E-01
Nb-94	ND	5.213E-02
Sb-125	ND	1.571E-01
C-14	ND	1.520E-01
Cm-243	ND	1.370E-01
Fe-55	ND	7.760E+00
H-3	ND	4.330E+00
Nb-95	ND	1.310E-01
Ni-63	ND	3.290E+00
Pu-238	ND	1.080E-01
Pu-239	ND	9.880E-02
Pu-241	ND	7.500E+00
Sr-90	ND	3.980E-02
Tc-99	ND	3.530E-01
U-235	ND	1.960E-01
U-238	1.300E+00	1.130E+00
NOL-01-04-002-F		
Ag-108m	ND	4.568E-02
Am-241	ND	1.075E+00
Co-60	ND	3.563E-02
Cs-134	ND	3.327E-02
Cs-137	ND	4.058E-02
Eu-152	ND	1.482E-01
Eu-154	ND	9.737E-02
Eu-155	ND	2.301E-01
Nb-94	ND	3.422E-02
Sb-125	1.028E-01	1.012E-01
C-14	ND	1.520E-01
Cm-243	ND	1.390E-01
Fe-55	ND	4.010E+00
H-3	ND	3.840E+00
Nb-95	ND	1.250E-01
Ni-63	ND	3.280E+00
Pu-238	ND	9.780E-02
Pu-239	ND	8.480E-02
Pu-241	ND	7.260E+00
Sr-90	ND	4.390E-02
Tc-99	ND	3.510E-01
U-235	ND	1.740E-01
U-238	ND	1.040E+00
NOL-01-04-003-F		
Ag-108m	ND	8.460E-02
Am-241	ND	7.484E-01
Co-60	8.488E-02	5.956E-02
Cs-134	ND	6.781E-02
Cs-137	ND	7.010E-02
Eu-152	ND	1.957E-01
Eu-154	ND	1.433E-01
Eu-155	ND	3.048E-01
Nb-94	ND	4.972E-02
Sb-125	1.816E-01	1.486E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-01-04-004-F		
Ag-108m	ND	4.815E-02
Am-241	ND	1.174E+00
Co-60	ND	4.100E-02
Cs-134	ND	3.031E-02
Cs-137	ND	4.570E-02
Eu-152	1.652E-01	1.554E-01
Eu-154	ND	1.202E-01
Eu-155	ND	2.503E-01
Nb-94	NA	4.090E-02
Sb-125	ND	1.219E-01
NOL-01-04-005-F		
Ag-108m	ND	7.207E-02
Am-241	ND	6.444E-01
Co-60	ND	7.475E-02
Cs-134	ND	1.152E-01
Cs-137	ND	5.984E-02
Eu-152	ND	1.653E-01
Eu-154	ND	1.307E-01
Eu-155	ND	2.692E-01
Nb-94	ND	5.029E-02
Sb-125	ND	1.304E-01
C-14	ND	1.490E-01
Cm-243	ND	1.220E-01
Fe-55	ND	7.730E+00
H-3	ND	3.870E+00
Nb-95	ND	1.720E-01
Ni-63	ND	3.490E+00
Pu-238	ND	8.810E-02
Pu-239	ND	1.090E-01
Pu-241	ND	7.730E+00
Sr-90	ND	3.850E-02
Tc-99	ND	3.500E-01
U-235	ND	2.160E-01
U-238	ND	6.260E-01
NOL-01-04-006-F		
Ag-108m	ND	6.967E-02
Am-241	ND	7.291E-01
Co-60	7.258E-02	6.229E-02
Cs-134	ND	5.881E-02
Cs-137	ND	7.601E-02
Eu-152	ND	1.774E-01
Eu-154	ND	1.373E-01
Eu-155	ND	2.394E-01
Nb-94	ND	6.283E-02
Sb-125	ND	1.442E-01
NOL-01-04-007-F		
Ag-108m	2.666E-01	5.938E-02
Am-241	ND	1.395E+00
Co-60	9.914E-01	6.093E-02
Cs-134	3.753E-02	3.261E-02
Cs-137	1.297E-01	5.627E-02
Eu-152	ND	1.803E-01
Eu-154	2.522E-01	1.382E-01
Eu-155	ND	2.887E-01
Nb-94	ND	4.923E-02
Sb-125	ND	1.502E-01
NOL-01-04-008-F		
Ag-108m	ND	7.295E-02
Am-241	ND	7.188E-01
Co-60	ND	5.802E-02
Cs-134	ND	6.361E-02
Cs-137	ND	6.400E-02
Eu-152	ND	1.869E-01
Eu-154	ND	1.230E-01
Eu-155	ND	2.811E-01
Nb-94	NA	5.021E-02
Sb-125	ND	1.636E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-01-04-009-F		
Ag-108m	ND	4.026E-02
Am-241	ND	1.095E+00
Co-60	9.114E-02	3.215E-02
Cs-134	ND	7.991E-02
Cs-137	8.554E-02	4.336E-02
Eu-152	ND	1.507E-01
Eu-154	ND	1.070E-01
Eu-155	ND	2.459E-01
Nb-94	ND	3.600E-02
Sb-125	1.353E-01	9.637E-02
NOL-01-04-010-F		
Ag-108m	ND	3.179E-02
Am-241	ND	1.201E+00
Co-60	ND	3.981E-02
Cs-134	ND	4.492E-02
Cs-137	ND	3.658E-02
Eu-152	1.723E-01	1.601E-01
Eu-154	ND	1.089E-01
Eu-155	ND	2.423E-01
Nb-94	ND	3.713E-02
Sb-125	1.094E-01	1.093E-01
NOL-01-04-011-F		
Ag-108m	ND	5.304E-02
Am-241	ND	1.256E+00
Co-60	2.199E-01	4.250E-02
Cs-134	ND	4.952E-02
Cs-137	5.918E-02	4.685E-02
Eu-152	ND	1.665E-01
Eu-154	ND	1.187E-01
Eu-155	ND	2.572E-01
Nb-94	ND	4.033E-02
Sb-125	ND	1.260E-01
NOL-01-04-012-F		
Ag-108m	ND	6.257E-02
Am-241	ND	7.218E-01
Co-60	ND	5.486E-02
Cs-134	ND	5.453E-02
Cs-137	ND	4.610E-02
Eu-152	ND	1.998E-01
Eu-154	ND	1.209E-01
Eu-155	ND	2.063E-01
Nb-94	NA	6.798E-02
Sb-125	ND	1.444E-01
NOL-01-04-013-F		
Ag-108m	ND	7.996E-02
Am-241	ND	7.147E-01
Co-60	ND	5.704E-02
Cs-134	ND	1.266E-01
Cs-137	ND	5.791E-02
Eu-152	ND	1.926E-01
Eu-154	ND	1.343E-01
Eu-155	ND	2.843E-01
Nb-94	ND	5.891E-02
Sb-125	ND	1.631E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-01-04-014-F		
Ag-108m	ND	7.201E-02
Am-241	ND	6.431E-01
Co-60	ND	5.192E-02
Cs-134	ND	6.887E-02
Cs-137	ND	5.346E-02
Eu-152	ND	1.724E-01
Eu-154	ND	1.272E-01
Eu-155	ND	2.673E-01
Nb-94	ND	5.758E-02
Sb-125	ND	1.501E-01
C-14	ND	1.530E-01
Cm-243	ND	1.600E-01
Fe-55	ND	4.710E+00
H-3	ND	3.940E+00
Nb-95	ND	1.150E-01
Ni-63	ND	2.680E+00
Pu-238	ND	1.300E-01
Pu-239	ND	7.980E-02
Pu-241	ND	7.350E+00
Sr-90	ND	4.620E-02
Tc-99	ND	3.470E-01
U-235	ND	1.710E-01
U-238	ND	1.230E+00
NOL-01-04-015-F		
Ag-108m	ND	5.250E-02
Am-241	ND	1.185E+00
Co-60	ND	4.340E-02
Cs-134	ND	8.290E-02
Cs-137	9.631E-02	5.009E-02
Eu-152	ND	1.592E-01
Eu-154	ND	1.029E-01
Eu-155	ND	2.605E-01
Nb-94	ND	3.713E-02
Sb-125	ND	1.157E-01
NOL-02-01-001-F		
Ag-108m	ND	5.333E-02
Am-241	ND	3.102E-01
Co-60	ND	5.555E-02
Cs-134	ND	5.393E-02
Cs-137	2.351E-01	7.765E-02
Eu-152	ND	1.502E-01
Eu-154	ND	1.097E-01
Eu-155	ND	1.856E-01
Nb-94	ND	4.354E-02
Sb-125	ND	1.510E-01
NOL-02-01-002-F		
Ag-108m	ND	5.267E-02
Am-241	ND	3.088E-01
Co-60	ND	5.432E-02
Cs-134	2.413E-02	2.045E-02
Cs-137	ND	4.959E-02
Eu-152	ND	1.524E-01
Eu-154	ND	1.067E-01
Eu-155	ND	1.815E-01
Nb-94	ND	5.415E-02
Sb-125	ND	1.582E-01
NOL-02-01-003-F		
Ag-108m	ND	6.594E-02
Am-241	ND	3.045E-01
Co-60	ND	5.935E-02
Cs-134	ND	5.610E-02
Cs-137	1.895E-01	7.001E-02
Eu-152	ND	1.553E-01
Eu-154	ND	1.126E-01
Eu-155	ND	1.782E-01
Nb-94	ND	4.737E-02
Sb-125	1.431E-01	1.374E-01

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Radionuclide	Activity	MDC
NOL-02-01-004-F		
Ag-108m	ND	5.921E-02
Am-241	ND	3.262E-01
Co-60	ND	6.726E-02
Cs-134	ND	9.411E-02
Cs-137	ND	6.223E-02
Eu-152	ND	1.580E-01
Eu-154	ND	1.132E-01
Eu-155	ND	1.875E-01
Nb-94	ND	3.943E-02
Sb-125	ND	1.507E-01
NOL-02-01-005-F		
Ag-108m	ND	5.216E-02
Am-241	ND	3.301E-01
Co-60	ND	6.651E-02
Cs-134	ND	5.049E-02
Cs-137	ND	5.746E-02
Eu-152	ND	1.588E-01
Eu-154	ND	1.133E-01
Eu-155	ND	1.715E-01
Nb-94	ND	5.653E-02
Sb-125	1.362E-01	1.152E-01
C-14	ND	1.260E-01
Cm-243	ND	1.590E-01
Fe-55	ND	5.570E+00
H-3	ND	6.350E+00
Nb-95	ND	7.890E-02
Ni-63	ND	1.780E+00
Pu-238	ND	9.150E-02
Pu-239	ND	1.070E-01
Pu-241	ND	7.800E+00
Sr-90	ND	4.660E-02
Tc-99	ND	3.750E-01
U-235	ND	2.330E-01
U-238	2.170E+00	1.400E+00
NOL-02-01-006-F		
Ag-108m	ND	6.320E-02
Am-241	ND	3.109E-01
Co-60	ND	6.514E-02
Cs-134	ND	5.039E-02
Cs-137	2.101E-01	5.769E-02
Eu-152	ND	1.617E-01
Eu-154	ND	1.111E-01
Eu-155	ND	1.347E-01
Nb-94	ND	5.818E-02
Sb-125	1.539E-01	1.306E-01
NOL-02-01-007-F		
Ag-108m	ND	6.884E-02
Am-241	ND	2.964E-01
Co-60	ND	6.713E-02
Cs-134	ND	6.554E-02
Cs-137	ND	6.069E-02
Eu-152	ND	1.658E-01
Eu-154	ND	1.133E-01
Eu-155	ND	1.808E-01
Nb-94	ND	6.652E-02
Sb-125	ND	1.253E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-02-01-008-F		
Ag-108m	ND	5.691E-02
Am-241	ND	3.561E-01
Co-60	8.807E-02	7.950E-02
Cs-134	ND	6.481E-02
Cs-137	ND	7.454E-02
Eu-152	ND	1.563E-01
Eu-154	ND	1.199E-01
Eu-155	ND	2.064E-01
Nb-94	ND	6.136E-02
Sb-125	ND	1.537E-01
C-14	ND	1.310E-01
Cm-243	ND	1.530E-01
Fe-55	ND	7.390E+00
H-3	ND	6.580E+00
Nb-95	ND	8.920E-02
Ni-63	ND	1.920E+00
Pu-238	ND	1.600E-01
Pu-239	ND	1.510E-01
Pu-241	ND	8.540E+00
Sr-90	ND	5.730E-02
Tc-99	ND	3.920E-01
U-235	ND	2.750E-01
U-238	ND	1.870E+00
NOL-02-01-009-F		
Ag-108m	ND	6.461E-02
Am-241	ND	2.709E-01
Co-60	ND	5.522E-02
Cs-134	ND	1.101E-01
Cs-137	ND	6.004E-02
Eu-152	ND	1.437E-01
Eu-154	ND	1.053E-01
Eu-155	ND	2.044E-01
Nb-94	ND	4.160E-02
Sb-125	ND	1.611E-01
NOL-02-01-010-F		
Ag-108m	ND	6.992E-02
Am-241	ND	3.610E-01
Co-60	ND	6.794E-02
Cs-134	ND	1.032E-01
Cs-137	ND	6.172E-02
Eu-152	ND	1.778E-01
Eu-154	ND	1.282E-01
Eu-155	ND	2.042E-01
Nb-94	ND	5.480E-02
Sb-125	ND	1.385E-01
NOL-02-01-011-F		
Ag-108m	ND	8.444E-02
Am-241	ND	3.479E-01
Co-60	ND	7.275E-02
Cs-134	ND	5.286E-02
Cs-137	ND	5.945E-02
Eu-152	ND	1.720E-01
Eu-154	ND	1.296E-01
Eu-155	ND	2.128E-01
Nb-94	ND	6.600E-02
Sb-125	ND	1.545E-01
NOL-02-01-012-F		
Ag-108m	NA	1.231E-01
Am-241	ND	3.255E-01
Co-60	ND	6.329E-02
Cs-134	ND	1.312E-01
Cs-137	ND	6.857E-02
Eu-152	ND	1.799E-01
Eu-154	ND	1.273E-01
Eu-155	ND	2.021E-01
Nb-94	ND	6.468E-02
Sb-125	ND	1.728E-01

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Radionuclide	Activity	MDC
NOL-02-01-013-F		
Ag-108m	ND	9.260E-02
Am-241	ND	3.837E-01
Co-60	1.967E-01	5.768E-02
Cs-134	ND	7.198E-02
Cs-137	2.218E-01	7.992E-02
Eu-152	ND	1.745E-01
Eu-154	ND	1.323E-01
Eu-155	ND	2.319E-01
Nb-94	ND	7.096E-02
Sb-125	ND	1.816E-01
NOL-02-01-014-F		
Ag-108m	ND	4.892E-02
Am-241	ND	3.304E-01
Co-60	5.163E-02	5.015E-02
Cs-134	ND	4.198E-02
Cs-137	ND	6.524E-02
Eu-152	ND	1.672E-01
Eu-154	ND	1.207E-01
Eu-155	ND	1.886E-01
Nb-94	ND	5.668E-02
Sb-125	ND	1.486E-01
NOL-02-01-015-F		
Ag-108m	ND	7.562E-02
Am-241	ND	3.000E-01
Co-60	5.034E-02	4.788E-02
Cs-134	ND	4.290E-02
Cs-137	ND	5.399E-02
Eu-152	ND	1.407E-01
Eu-154	ND	1.068E-01
Eu-155	ND	1.820E-01
Nb-94	ND	4.809E-02
Sb-125	1.393E-01	1.254E-01
NOL-02-02-001-F		
Ag-108m	ND	5.264E-02
Am-241	ND	6.798E-01
Co-60	ND	7.466E-02
Cs-134	ND	4.594E-02
Cs-137	ND	5.504E-02
Eu-152	ND	1.686E-01
Eu-154	ND	1.208E-01
Eu-155	ND	2.246E-01
Nb-94	ND	4.869E-02
Sb-125	ND	1.362E-01
NOL-02-02-002-F		
Ag-108m	ND	7.213E-02
Am-241	ND	6.862E-01
Co-60	ND	8.068E-02
Cs-134	ND	5.718E-02
Cs-137	ND	5.932E-02
Eu-152	ND	1.900E-01
Eu-154	ND	1.239E-01
Eu-155	ND	2.743E-01
Nb-94	ND	5.007E-02
Sb-125	ND	1.487E-01
NOL-02-02-003-F		
Ag-108m	ND	4.057E-02
Am-241	ND	1.185E+00
Co-60	ND	4.173E-02
Cs-134	ND	3.578E-02
Cs-137	1.826E-01	
Eu-152	ND	1.434E-01
Eu-154	ND	1.160E-01
Eu-155	ND	2.072E-01
Nb-94	ND	3.283E-02
Sb-125	ND	1.181E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-02-02-004-F		
Ag-108m	ND	4.269E-02
Am-241	ND	7.939E-01
Co-60	7.363E-02	
Cs-134	ND	3.838E-02
Cs-137	1.143E-01	
Eu-152	ND	1.548E-01
Eu-154	ND	1.114E-01
Eu-155	ND	2.304E-01
Nb-94	ND	3.167E-02
Sb-125	ND	1.117E-01
NOL-02-02-005-F		
Ag-108m	ND	3.894E-02
Am-241	ND	8.503E-01
Co-60	ND	3.663E-02
Cs-134	ND	3.297E-02
Cs-137	5.638E-02	
Eu-152	ND	1.218E-01
Eu-154	ND	1.004E-01
Eu-155	ND	2.216E-01
Nb-94	ND	2.014E-02
Sb-125	ND	8.842E-02
C-14	ND	1.530E-01
Cm-243	ND	5.160E-02
Fe-55	ND	2.960E+00
H-3	ND	6.800E+00
Nb-95	ND	1.760E-02
Ni-63	ND	3.060E+00
Pu-238	ND	3.560E-02
Pu-239	7.570E-02	6.560E-02
Pu-241	ND	6.990E+00
Sr-90	ND	2.320E-02
Tc-99	ND	4.120E-01
U-235	ND	1.720E-01
U-238	ND	1.160E+00
NOL-02-02-006-F		
Ag-108m	ND	4.059E-02
Am-241	ND	1.098E+00
Co-60	ND	3.530E-02
Cs-134	ND	3.511E-02
Cs-137	6.032E-02	
Eu-152	ND	1.413E-01
Eu-154	ND	1.059E-01
Eu-155	ND	2.261E-01
Nb-94	ND	2.311E-02
Sb-125	ND	8.966E-02
NOL-02-02-007-F		
Ag-108m	ND	4.171E-02
Am-241	ND	1.083E+00
Co-60	ND	4.169E-02
Cs-134	ND	3.931E-02
Cs-137	ND	4.261E-02
Eu-152	ND	1.523E-01
Eu-154	ND	1.110E-01
Eu-155	ND	2.077E-01
Nb-94	ND	4.072E-02
Sb-125	ND	1.065E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-02-02-008-F		
Ag-108m	ND	5.776E-02
Am-241	ND	7.066E-01
Co-60	ND	5.742E-02
Cs-134	ND	4.178E-02
Cs-137	ND	5.147E-02
Eu-152	ND	1.691E-01
Eu-154	ND	1.086E-01
Eu-155	ND	2.663E-01
Nb-94	ND	4.742E-02
Sb-125	1.074E-01	9.296E-02
C-14	ND	2.740E-01
Cm-243	ND	1.130E-01
Fe-55	ND	2.840E+00
H-3	1.200E+01	8.120E+00
Nb-95	ND	1.720E-02
Ni-63	ND	3.660E+00
Pu-238	ND	6.060E-02
Pu-239	ND	8.830E-02
Pu-241	ND	1.170E+01
Sr-90	1.790E-02	1.760E-02
Tc-99	ND	3.920E-01
U-235	ND	1.540E-01
U-238	ND	1.260E+00
NOL-02-02-009-F		
Ag-108m	ND	4.705E-02
Am-241	ND	1.161E+00
Co-60	ND	5.237E-02
Cs-134	ND	4.438E-02
Cs-137	2.214E-01	
Eu-152	ND	1.314E-01
Eu-154	ND	1.090E-01
Eu-155	ND	2.333E-01
Nb-94	ND	3.181E-02
Sb-125	ND	1.219E-01
Ag-108m	ND	6.388E-02
Am-241	ND	6.493E-01
Co-60	ND	6.314E-02
Cs-134	ND	4.593E-02
Cs-137	ND	5.714E-02
Eu-152	ND	1.676E-01
Eu-154	ND	1.332E-01
Eu-155	ND	2.419E-01
Nb-94	ND	5.877E-02
Sb-125	ND	1.402E-01
NOL-02-02-011-F		
Ag-108m	ND	6.116E-02
Am-241	ND	6.624E-01
Co-60	ND	4.725E-02
Cs-134	ND	5.250E-02
Cs-137	ND	6.436E-02
Eu-152	ND	1.799E-01
Eu-154	ND	1.290E-01
Eu-155	ND	2.484E-01
Nb-94	ND	4.790E-02
Sb-125	ND	1.377E-01
Ag-108m	ND	5.164E-02
Am-241	ND	6.602E-01
Co-60	ND	5.776E-02
Cs-134	ND	3.828E-02
Cs-137	ND	6.315E-02
Eu-152	ND	1.914E-01
Eu-154	ND	1.159E-01
Eu-155	ND	2.328E-01
Nb-94	ND	5.505E-02
Sb-125	ND	1.433E-01

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Radionuclide	Activity	MDC
NOL-02-02-013-F		
Ag-108m	ND	3.918E-02
Am-241	ND	1.057E+00
Co-60	ND	3.935E-02
Cs-134	ND	3.036E-02
Cs-137	7.093E-02	
Eu-152	ND	1.318E-01
Eu-154	ND	1.034E-01
Eu-155	ND	2.275E-01
Nb-94	ND	2.959E-02
Sb-125	ND	8.464E-02
NOL-02-02-014-F		
Ag-108m	ND	4.679E-02
Am-241	ND	6.696E-01
Co-60	ND	6.310E-02
Cs-134	ND	3.856E-02
Cs-137	ND	5.078E-02
Eu-152	ND	1.640E-01
Eu-154	ND	1.274E-01
Eu-155	ND	2.617E-01
Nb-94	ND	5.305E-02
Sb-125	ND	1.449E-01
NOL-02-02-015-F		
Ag-108m	ND	3.942E-02
Am-241	ND	1.074E+00
Co-60	5.371E-02	
Cs-134	ND	2.502E-02
Cs-137	1.228E-01	
Eu-152	ND	1.396E-01
Eu-154	ND	9.299E-02
Eu-155	ND	2.169E-01
Nb-94	ND	2.482E-02
Sb-125	1.099E-01	1.011E-01
NOL-02-02-016-F		
Ag-108m	ND	3.466E-02
Am-241	ND	1.024E+00
Co-60	4.595E-02	
Cs-134	ND	5.835E-02
Cs-137	1.049E-01	
Eu-152	ND	1.345E-01
Eu-154	ND	1.008E-01
Eu-155	ND	1.928E-01
Nb-94	ND	2.955E-02
Sb-125	1.050E-01	8.356E-02
NOL-02-02-017-F		
Ag-108m	ND	3.617E-02
Am-241	ND	8.939E-01
Co-60	7.615E-02	
Cs-134	ND	2.651E-02
Cs-137	1.406E-01	
Eu-152	ND	1.389E-01
Eu-154	ND	1.052E-01
Eu-155	ND	2.250E-01
Nb-94	ND	3.559E-02
Sb-125	ND	1.042E-01
NOL-02-02-018-F		
Ag-108m	ND	5.606E-02
Am-241	ND	7.135E-01
Co-60	ND	5.651E-02
Cs-134	ND	3.528E-02
Cs-137	ND	7.937E-02
Eu-152	ND	1.652E-01
Eu-154	ND	1.115E-01
Eu-155	ND	2.337E-01
Nb-94	ND	4.537E-02
Sb-125	ND	1.376E-01

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Radionuclide	Activity	MDC
NOL-02-02-019-F		
Ag-108m	ND	5.566E-02
Am-241	ND	6.407E-01
Co-60	ND	5.409E-02
Cs-134	ND	4.355E-02
Cs-137	6.683E-02	
Eu-152	ND	1.547E-01
Eu-154	ND	1.192E-01
Eu-155	ND	2.487E-01
Nb-94	ND	4.783E-02
Sb-125	ND	1.323E-01
NOL-02-02-020-F		
Ag-108m	ND	5.334E-02
Am-241	ND	6.592E-01
Co-60	ND	5.424E-02
Cs-134	ND	4.273E-02
Cs-137	ND	5.242E-02
Eu-152	ND	1.723E-01
Eu-154	ND	1.233E-01
Eu-155	ND	2.522E-01
Nb-94	ND	4.230E-02
Sb-125	ND	1.072E-01
NOL-02-03-001-F		
Ag-108m	ND	7.569E-02
Am-241	ND	2.948E-01
Co-60	ND	5.637E-02
Cs-134	ND	4.618E-02
Cs-137	ND	5.411E-02
Eu-152	ND	1.084E-01
Eu-154	ND	9.478E-02
Eu-155	ND	1.587E-01
Nb-94	ND	3.624E-02
Sb-125	ND	1.235E-01
NOL-02-03-002-F		
Ag-108m	ND	4.531E-02
Am-241	ND	1.197E+00
Co-60	ND	4.269E-02
Cs-134	ND	6.431E-02
Cs-137	ND	4.545E-02
Eu-152	ND	1.400E-01
Eu-154	ND	1.164E-01
Eu-155	ND	2.587E-01
Nb-94	ND	3.746E-02
Sb-125	1.427E-01	8.376E-02
NOL-02-03-003-F		
Ag-108m	ND	6.255E-02
Am-241	ND	2.753E-01
Co-60	1.084E-01	
Cs-134	ND	4.738E-02
Cs-137	2.121E-01	
Eu-152	ND	1.489E-01
Eu-154	ND	9.777E-02
Eu-155	ND	1.829E-01
Nb-94	ND	4.541E-02
Sb-125	ND	1.580E-01
NOL-02-03-004-F		
Ag-108m	ND	4.140E-02
Am-241	ND	1.088E+00
Co-60	4.883E-02	3.882E-02
Cs-134	ND	3.619E-02
Cs-137	5.046E-02	
Eu-152	ND	1.468E-01
Eu-154	ND	1.025E-01
Eu-155	ND	2.199E-01
Nb-94	ND	3.402E-02
Sb-125	ND	1.038E-01

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Radionuclide	Activity	MDC
NOL-02-03-005-F		
Ag-108m	ND	4.340E-02
Am-241	ND	1.024E+00
Co-60	ND	3.971E-02
Cs-134	ND	3.655E-02
Cs-137	ND	3.670E-02
Eu-152	ND	1.414E-01
Eu-154	ND	9.611E-02
Eu-155	ND	2.133E-01
Nb-94	ND	2.937E-02
Sb-125	ND	8.226E-02
NOL-02-03-006-F		
Ag-108m	ND	7.040E-02
Am-241	ND	5.874E-01
Co-60	6.252E-02	5.177E-02
Cs-134	ND	4.538E-02
Cs-137	1.330E-01	
Eu-152	ND	1.601E-01
Eu-154	ND	1.210E-01
Eu-155	ND	2.505E-01
Nb-94	ND	5.870E-02
Sb-125	ND	1.422E-01
NOL-02-03-007-F		
Ag-108m	ND	6.122E-02
Am-241	ND	3.200E-01
Co-60	ND	6.514E-02
Cs-134	ND	6.338E-02
Cs-137	ND	4.808E-02
Eu-152	ND	1.450E-01
Eu-154	ND	8.549E-02
Eu-155	ND	1.699E-01
Nb-94	ND	3.270E-02
Sb-125	1.697E-01	1.167E-01
NOL-02-03-008-F		
Ag-108m	ND	4.142E-02
Am-241	ND	2.319E-01
Co-60	ND	2.691E-02
Cs-134	ND	7.565E-02
Cs-137	ND	3.529E-02
Eu-152	ND	1.109E-01
Eu-154	ND	8.156E-02
Eu-155	1.481E-01	1.358E-01
Nb-94	ND	3.107E-02
Sb-125	9.247E-02	9.033E-02
NOL-02-03-009-F		
Ag-108m	ND	3.910E-02
Am-241	ND	2.378E-01
Co-60	ND	3.989E-02
Cs-134	ND	3.092E-02
Cs-137	1.088E-01	
Eu-152	ND	9.750E-02
Eu-154	ND	7.821E-02
Eu-155	1.573E-01	1.375E-01
Nb-94	ND	2.701E-02
Sb-125	1.045E-01	8.660E-02
C-14	ND	2.900E-01
Cm-243	ND	1.160E-01
Fe-55	ND	1.730E+01
H-3	ND	8.680E+00
Nb-95	ND	2.070E-02
Ni-63	ND	1.140E+01
Pu-238	ND	1.320E-01
Pu-239	ND	1.220E-01
Pu-241	ND	1.090E+01
Sr-90	ND	4.700E-02
Tc-99	ND	3.280E-01
U-235	ND	1.870E-01
U-238	ND	1.410E+00

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Radionuclide	Activity	MDC
NOL-02-03-010-F		
Ag-108m	ND	3.238E-02
Am-241	ND	9.950E-01
Co-60	8.479E-02	
Cs-134	ND	3.453E-02
Cs-137	1.171E-01	
Eu-152	ND	1.291E-01
Eu-154	ND	9.225E-02
Eu-155	ND	1.933E-01
Nb-94	ND	3.410E-02
Sb-125	ND	1.005E-01
NOL-02-03-011-F		
Ag-108m	ND	3.675E-02
Am-241	ND	9.995E-01
Co-60	ND	3.021E-02
Cs-134	ND	3.278E-02
Cs-137	ND	3.967E-02
Eu-152	ND	1.416E-01
Eu-154	ND	1.041E-01
Eu-155	ND	2.263E-01
Nb-94	ND	3.245E-02
Sb-125	ND	1.122E-01
NOL-02-03-012-F		
Ag-108m	ND	4.211E-02
Am-241	ND	1.176E+00
Co-60	ND	4.115E-02
Cs-134	ND	3.739E-02
Cs-137	9.105E-02	
Eu-152	ND	1.444E-01
Eu-154	ND	1.104E-01
Eu-155	ND	2.336E-01
Nb-94	ND	3.471E-02
Sb-125	ND	1.032E-01
C-14	ND	2.410E-01
Cm-243	ND	9.820E-02
Fe-55	ND	1.890E+01
H-3	ND	7.650E+00
Nb-95	ND	1.930E-02
Ni-63	ND	1.110E+01
Pu-238	ND	2.480E-01
Pu-239	ND	1.620E-01
Pu-241	ND	1.100E+01
Sr-90	ND	4.180E-02
Tc-99	ND	3.280E-01
U-235	ND	1.690E-01
U-238	ND	1.270E+00
NOL-02-03-013-F		
Ag-108m	ND	3.908E-02
Am-241	ND	2.420E-01
Co-60	4.637E-02	3.439E-02
Cs-134	ND	3.527E-02
Cs-137	1.035E-01	
Eu-152	ND	1.192E-01
Eu-154	ND	8.364E-02
Eu-155	1.607E-01	1.438E-01
Nb-94	ND	3.261E-02
Sb-125	ND	9.759E-02
NOL-02-03-014-F		
Ag-108m	ND	6.320E-02
Am-241	ND	6.709E-01
Co-60	ND	6.467E-02
Cs-134	ND	4.405E-02
Cs-137	ND	5.780E-02
Eu-152	ND	1.337E-01
Eu-154	ND	1.227E-01
Eu-155	ND	2.792E-01
Nb-94	ND	5.955E-02
Sb-125	ND	1.348E-01

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Radionuclide	Activity	MDC
NOL-02-03-015-F		
Ag-108m	ND	5.319E-02
Am-241	ND	5.507E-01
Co-60	ND	5.440E-02
Cs-134	ND	4.157E-02
Cs-137	ND	5.122E-02
Eu-152	ND	1.429E-01
Eu-154	ND	1.137E-01
Eu-155	ND	2.428E-01
Nb-94	ND	4.191E-02
Sb-125	ND	1.221E-01
NOL-02-04-001-F		
Ag-108m	ND	3.720E-02
Am-241	ND	1.871E-01
Co-60	ND	3.079E-02
Cs-134	ND	5.883E-02
Cs-137	ND	3.464E-02
Eu-152	ND	1.050E-01
Eu-154	ND	7.711E-02
Eu-155	ND	1.343E-01
Nb-94	ND	2.654E-02
Sb-125	1.316E-01	8.559E-02
NOL-02-04-002-F		
Ag-108m	ND	5.490E-02
Am-241	ND	2.078E-01
Co-60	ND	2.697E-02
Cs-134	ND	2.127E-02
Cs-137	ND	3.354E-02
Eu-152	ND	9.784E-02
Eu-154	ND	7.238E-02
Eu-155	ND	1.272E-01
Nb-94	ND	2.569E-02
Sb-125	1.013E-01	7.802E-02
NOL-02-04-003-F		
Ag-108m	ND	5.250E-02
Am-241	ND	5.393E-01
Co-60	ND	7.865E-02
Cs-134	ND	4.403E-02
Cs-137	ND	5.832E-02
Eu-152	ND	1.833E-01
Eu-154	ND	1.305E-01
Eu-155	ND	3.084E-01
Nb-94	ND	6.265E-02
Sb-125	1.505E-01	1.439E-01
NOL-02-04-004-F		
Ag-108m	ND	3.354E-02
Am-241	ND	2.243E-01
Co-60	ND	3.607E-02
Cs-134	ND	6.834E-02
Cs-137	ND	4.110E-02
Eu-152	ND	1.166E-01
Eu-154	ND	8.793E-02
Eu-155	ND	1.442E-01
Nb-94	ND	2.402E-02
Sb-125	ND	8.476E-02
NOL-02-04-005-F		
Ag-108m	ND	3.246E-02
Am-241	ND	2.110E-01
Co-60	ND	3.469E-02
Cs-134	ND	6.240E-02
Cs-137	ND	4.146E-02
Eu-152	ND	1.069E-01
Eu-154	ND	8.035E-02
Eu-155	ND	1.394E-01
Nb-94	ND	2.382E-02
Sb-125	1.158E-01	8.411E-02

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Radionuclide	Activity	MDC
NOL-02-04-006-F		
Ag-108m	ND	2.961E-02
Am-241	ND	2.126E-01
Co-60	ND	2.784E-02
Cs-134	ND	3.106E-02
Cs-137	ND	3.403E-02
Eu-152	ND	1.001E-01
Eu-154	ND	6.404E-02
Eu-155	ND	1.219E-01
Nb-94	ND	2.352E-02
Sb-125	8.406E-02	5.463E-02
NOL-02-04-007-F		
Ag-108m	ND	6.221E-02
Am-241	ND	3.667E-01
Co-60	ND	7.517E-02
Cs-134	ND	6.161E-02
Cs-137	ND	6.763E-02
Eu-152	ND	1.651E-01
Eu-154	ND	1.190E-01
Eu-155	ND	1.986E-01
Nb-94	ND	5.898E-02
Sb-125	1.707E-01	1.443E-01
NOL-02-04-008-F		
Ag-108m	ND	6.227E-02
Am-241	ND	3.228E-01
Co-60	ND	7.092E-02
Cs-134	ND	4.566E-02
Cs-137	ND	6.272E-02
Eu-152	ND	1.425E-01
Eu-154	ND	1.131E-01
Eu-155	ND	1.854E-01
Nb-94	ND	4.421E-02
Sb-125	1.318E-01	1.093E-01
NOL-02-04-009-F		
Ag-108m	ND	5.903E-02
Am-241	ND	2.916E-01
Co-60	ND	5.720E-02
Cs-134	ND	5.603E-02
Cs-137	ND	7.196E-02
Eu-152	ND	1.561E-01
Eu-154	ND	1.211E-01
Eu-155	ND	2.066E-01
Nb-94	ND	5.244E-02
Sb-125	ND	1.448E-01
C-14	ND	1.380E-01
Cm-243	ND	3.200E-01
Fe-55	ND	1.920E+02
H-3	ND	6.710E+00
Nb-95	ND	3.530E-02
Ni-63	ND	8.110E+00
Pu-238	ND	1.170E-01
Pu-239	ND	1.000E-01
Pu-241	ND	3.490E+01
Sr-90	ND	3.420E-02
Tc-99	ND	3.770E-01
U-235	ND	3.390E-01
U-238	ND	2.780E+00
NOL-02-04-010-F		
Ag-108m	ND	3.154E-02
Am-241	ND	2.270E-01
Co-60	1.401E-01	
Cs-134	ND	3.504E-02
Cs-137	1.120E-01	
Eu-152	ND	1.118E-01
Eu-154	ND	6.922E-02
Eu-155	ND	1.435E-01
Nb-94	ND	3.106E-02
Sb-125	ND	8.466E-02

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Radionuclide	Activity	MDC
NOL-02-04-011-F		
Ag-108m	ND	5.396E-02
Am-241	ND	6.998E-01
Co-60	ND	7.678E-02
Cs-134	ND	5.064E-02
Cs-137	ND	5.511E-02
Eu-152	ND	1.803E-01
Eu-154	ND	1.182E-01
Eu-155	ND	2.978E-01
Nb-94	ND	5.317E-02
Sb-125	ND	1.561E-01
C-14	ND	1.330E-01
Cm-243	ND	2.570E-01
Fe-55	ND	2.780E+01
H-3	ND	7.120E+00
Nb-95	ND	4.600E-02
Ni-63	ND	9.080E+00
Pu-238	ND	1.500E-01
Pu-239	ND	1.500E-01
Pu-241	ND	4.340E+01
Sr-90	ND	3.130E-02
Tc-99	ND	4.030E-01
U-235	ND	3.960E-01
U-238	ND	4.370E+00
NOL-02-04-012-F		
Ag-108m	ND	3.013E-02
Am-241	ND	1.222E+00
Co-60	ND	4.841E-02
Cs-134	ND	7.361E-02
Cs-137	ND	4.767E-02
Eu-152	ND	1.610E-01
Eu-154	ND	1.203E-01
Eu-155	ND	2.664E-01
Nb-94	ND	3.891E-02
Sb-125	1.457E-01	1.271E-01
NOL-02-04-013-F		
Ag-108m	ND	5.981E-02
Am-241	ND	7.461E-01
Co-60	ND	8.767E-02
Cs-134	ND	5.786E-02
Cs-137	9.362E-02	
Eu-152	ND	1.598E-01
Eu-154	ND	1.302E-01
Eu-155	ND	2.716E-01
Nb-94	ND	5.358E-02
Sb-125	ND	1.517E-01
NOL-02-04-014-F		
Ag-108m	ND	5.513E-02
Am-241	ND	1.221E+00
Co-60	2.859E-01	
Cs-134	ND	2.490E-02
Cs-137	ND	4.948E-02
Eu-152	ND	1.619E-01
Eu-154	ND	1.176E-01
Eu-155	ND	2.610E-01
Nb-94	ND	3.704E-02
Sb-125	ND	1.133E-01
NOL-02-04-015-F		
Ag-108m	ND	7.815E-02
Am-241	ND	1.135E+00
Co-60	ND	4.823E-02
Cs-134	ND	4.703E-02
Cs-137	ND	4.800E-02
Eu-152	ND	1.733E-01
Eu-154	ND	1.239E-01
Eu-155	ND	1.954E-01
Nb-94	ND	3.254E-02
Sb-125	1.392E-01	1.251E-01

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Radionuclide	Activity	MDC
NOL-02-04-016-F		
Ag-108m	ND	6.770E-02
Am-241	ND	3.503E-01
Co-60	ND	6.684E-02
Cs-134	ND	5.579E-02
Cs-137	3.207E-01	
Eu-152	ND	1.404E-01
Eu-154	ND	1.146E-01
Eu-155	ND	1.949E-01
Nb-94	ND	4.474E-02
Sb-125	ND	1.452E-01
NOL-02-04-017-F		
Ag-108m	ND	6.504E-02
Am-241	ND	6.526E-01
Co-60	ND	6.142E-02
Cs-134	ND	5.151E-02
Cs-137	ND	5.780E-02
Eu-152	ND	1.757E-01
Eu-154	ND	1.217E-01
Eu-155	ND	2.723E-01
Nb-94	ND	4.788E-02
Sb-125	ND	1.387E-01
NOL-02-04-018-F		
Ag-108m	ND	5.081E-02
Am-241	ND	5.971E-01
Co-60	ND	4.946E-02
Cs-134	ND	5.525E-02
Cs-137	ND	5.137E-02
Eu-152	ND	1.514E-01
Eu-154	ND	1.179E-01
Eu-155	ND	2.575E-01
Nb-94	ND	5.403E-02
Sb-125	ND	1.433E-01
NOL-02-04-019-F		
Ag-108m	ND	5.797E-02
Am-241	ND	3.157E-01
Co-60	ND	5.404E-02
Cs-134	ND	5.225E-02
Cs-137	ND	6.711E-02
Eu-152	ND	1.601E-01
Eu-154	ND	1.222E-01
Eu-155	ND	1.756E-01
Nb-94	ND	5.565E-02
Sb-125	ND	1.453E-01
NOL-02-04-020-F		
Ag-108m	ND	4.824E-02
Am-241	ND	1.215E+00
Co-60	ND	3.362E-02
Cs-134	ND	4.271E-02
Cs-137	ND	4.331E-02
Eu-152	ND	1.522E-01
Eu-154	ND	1.117E-01
Eu-155	ND	2.707E-01
Nb-94	ND	3.618E-02
Sb-125	ND	1.153E-01
NOL-03-01-001-F		
Ag-108m	ND	9.955E-02
Am-241	ND	3.422E-01
Co-60	2.625E+00	7.952E-02
Cs-134	ND	7.927E-02
Cs-137	3.792E-01	1.014E-01
Eu-152	ND	1.791E-01
Eu-154	ND	1.417E-01
Eu-155	2.047E-01	2.026E-01
Nb-94	ND	9.537E-02
Sb-125	ND	2.006E-01

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Radionuclide	Activity	MDC
NOL-03-01-002-F		
Ag-108m	ND	8.680E-02
Am-241	ND	3.677E-01
Co-60	1.150E+00	7.722E-02
Cs-134	ND	1.110E-01
Cs-137	2.738E-01	9.236E-02
Eu-152	ND	1.850E-01
Eu-154	ND	1.261E-01
Eu-155	ND	2.149E-01
Nb-94	ND	7.322E-02
Sb-125	ND	1.873E-01
NOL-03-01-003-F		
Ag-108m	ND	8.316E-02
Am-241	ND	3.680E-01
Co-60	3.251E-01	7.076E-02
Cs-134	ND	6.122E-02
Cs-137	ND	7.127E-02
Eu-152	ND	1.726E-01
Eu-154	ND	1.269E-01
Eu-155	ND	2.236E-01
Nb-94	ND	5.968E-02
Sb-125	ND	1.616E-01
NOL-03-01-004-F		
Ag-108m	ND	7.816E-02
Am-241	ND	3.653E-01
Co-60	2.269E+00	9.069E-02
Cs-134	ND	7.431E-02
Cs-137	2.470E-01	1.012E-01
Eu-152	ND	1.883E-01
Eu-154	ND	1.299E-01
Eu-155	ND	2.193E-01
Nb-94	ND	1.010E-01
Sb-125	ND	2.073E-01
NOL-03-01-005-F		
Ag-108m	ND	7.182E-02
Am-241	ND	2.898E-01
Co-60	4.028E-01	5.652E-02
Cs-134	4.052E-02	3.300E-02
Cs-137	ND	6.142E-02
Eu-152	ND	1.378E-01
Eu-154	ND	1.158E-01
Eu-155	ND	1.796E-01
Nb-94	ND	6.432E-02
Sb-125	ND	1.406E-01
NOL-03-01-006-F		
Ag-108m	ND	7.930E-02
Am-241	ND	3.469E-01
Co-60	ND	7.035E-02
Cs-134	ND	6.118E-02
Cs-137	ND	5.929E-02
Eu-152	ND	1.739E-01
Eu-154	ND	1.239E-01
Eu-155	ND	1.570E-01
Nb-94	ND	5.607E-02
Sb-125	ND	1.677E-01

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Radionuclide	Activity	MDC
NOL-03-01-007-F		
Ag-108m	ND	8.352E-02
Am-241	ND	3.087E-01
Co-60	1.820E+00	6.445E-02
Cs-134	ND	6.574E-02
Cs-137	1.594E-01	7.383E-02
Eu-152	ND	1.615E-01
Eu-154	ND	1.219E-01
Eu-155	ND	2.124E-01
Nb-94	ND	8.090E-02
Sb-125	ND	1.890E-01
C-14	ND	1.580E-01
Cm-243	ND	1.590E-01
Fe-55	ND	3.530E+00
H-3	ND	3.420E+00
Nb-95	ND	6.710E-02
Ni-63	7.840E+00	2.820E+00
Pu-238	ND	3.580E-01
Pu-239	ND	1.660E-01
Pu-241	ND	9.470E+00
Sr-90	ND	1.770E-02
Tc-99	3.680E-01	3.030E-01
U-235	ND	2.100E-01
U-238	6.080E-01	5.720E-01
NOL-03-01-008-F		
Ag-108m	ND	1.016E-01
Am-241	ND	4.132E-01
Co-60	1.610E+00	7.114E-02
Cs-134	ND	7.402E-02
Cs-137	2.778E-01	9.859E-02
Eu-152	ND	1.916E-01
Eu-154	ND	1.468E-01
Eu-155	ND	2.448E-01
Nb-94	ND	7.514E-02
Sb-125	ND	1.970E-01
C-14	ND	1.620E-01
Cm-243	ND	1.110E-01
Fe-55	ND	3.610E+00
H-3	ND	4.820E+00
Nb-95	ND	6.490E-02
Ni-63	5.290E+00	2.880E+00
Pu-238	ND	2.660E-01
Pu-239	ND	2.430E-01
Pu-241	ND	9.280E+00
Sr-90	ND	1.530E-02
Tc-99	ND	3.010E-01
U-235	ND	2.130E-01
U-238	ND	1.300E+00
NOL-03-01-009-F		
Ag-108m	ND	7.886E-02
Am-241	ND	3.971E-01
Co-60	5.285E-01	6.351E-02
Cs-134	ND	7.233E-02
Cs-137	ND	7.484E-02
Eu-152	ND	1.837E-01
Eu-154	ND	1.350E-01
Eu-155	ND	2.343E-01
Nb-94	ND	6.330E-02
Sb-125	ND	1.875E-01
NOL-03-01-010-F		
Ag-108m	ND	8.604E-02
Am-241	ND	3.727E-01
Co-60	3.280E-01	6.541E-02
Cs-134	ND	6.939E-02
Cs-137	ND	6.735E-02
Eu-152	ND	1.754E-01
Eu-154	ND	1.258E-01
Eu-155	ND	2.149E-01
Nb-94	ND	6.311E-02
Sb-125	ND	1.854E-01

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Radionuclide	Activity	MDC
NOL-03-01-011-F		
Ag-108m	ND	1.025E-01
Am-241	ND	4.592E-01
Co-60	1.856E-01	8.999E-02
Cs-134	ND	8.733E-02
Cs-137	ND	8.255E-02
Eu-152	ND	2.104E-01
Eu-154	ND	1.521E-01
Eu-155	ND	2.115E-01
Nb-94	ND	7.128E-02
Sb-125	ND	2.124E-01
NOL-03-01-012-F		
Ag-108m	ND	7.067E-02
Am-241	ND	3.479E-01
Co-60	ND	6.204E-02
Cs-134	ND	6.874E-02
Cs-137	ND	7.976E-02
Eu-152	ND	1.453E-01
Eu-154	ND	1.203E-01
Eu-155	ND	1.930E-01
Nb-94	ND	4.796E-02
Sb-125	1.629E-01	1.332E-01
NOL-03-01-013-F		
Ag-108m	ND	5.911E-02
Am-241	ND	3.286E-01
Co-60	2.691E-01	6.119E-02
Cs-134	ND	5.850E-02
Cs-137	ND	6.333E-02
Eu-152	ND	1.501E-01
Eu-154	ND	1.087E-01
Eu-155	ND	1.849E-01
Nb-94	ND	4.425E-02
Sb-125	ND	1.581E-01
NOL-03-01-014-F		
Ag-108m	ND	8.221E-02
Am-241	ND	3.534E-01
Co-60	7.007E-01	6.622E-02
Cs-134	ND	5.238E-02
Cs-137	3.253E-01	8.173E-02
Eu-152	ND	1.766E-01
Eu-154	ND	1.246E-01
Eu-155	ND	2.053E-01
Nb-94	ND	6.518E-02
Sb-125	ND	1.431E-01
NOL-03-01-015-F		
Ag-108m	ND	6.527E-02
Am-241	ND	3.101E-01
Co-60	1.626E-01	6.471E-02
Cs-134	ND	5.334E-02
Cs-137	ND	4.865E-02
Eu-152	ND	1.501E-01
Eu-154	ND	1.080E-01
Eu-155	ND	1.433E-01
Nb-94	ND	5.446E-02
Sb-125	ND	1.332E-01
NOL-03-01-016-F		
Ag-108m	ND	5.002E-02
Am-241	ND	3.130E-01
Co-60	1.369E-01	5.867E-02
Cs-134	ND	4.779E-02
Cs-137	9.457E-02	6.253E-02
Eu-152	ND	1.580E-01
Eu-154	ND	1.149E-01
Eu-155	ND	1.739E-01
Nb-94	ND	4.472E-02
Sb-125	ND	1.338E-01

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Radionuclide	Activity	MDC
NOL-03-01-017-F		
Ag-108m	ND	8.294E-02
Am-241	ND	3.591E-01
Co-60	1.517E+00	6.005E-02
Cs-134	ND	5.819E-02
Cs-137	2.072E-01	7.682E-02
Eu-152	ND	1.727E-01
Eu-154	ND	1.241E-01
Eu-155	ND	1.958E-01
Nb-94	ND	7.787E-02
Sb-125	ND	1.529E-01
NOL-03-01-018-F		
Ag-108m	ND	8.167E-02
Am-241	ND	3.239E-01
Co-60	4.513E-01	5.844E-02
Cs-134	3.803E-02	3.706E-02
Cs-137	ND	6.758E-02
Eu-152	ND	1.447E-01
Eu-154	ND	1.227E-01
Eu-155	ND	1.952E-01
Nb-94	ND	7.137E-02
Sb-125	1.229E-01	1.191E-01
NOL-03-01-019-F		
Ag-108m	ND	7.151E-02
Am-241	ND	3.295E-01
Co-60	2.705E-01	6.716E-02
Cs-134	ND	5.563E-02
Cs-137	1.475E-01	7.458E-02
Eu-152	ND	1.612E-01
Eu-154	ND	1.108E-01
Eu-155	ND	1.827E-01
Nb-94	ND	6.209E-02
Sb-125	ND	1.257E-01
NOL-03-01-020-F		
Ag-108m	ND	7.243E-02
Am-241	ND	2.121E-01
Co-60	1.867E-01	6.207E-02
Cs-134	ND	6.738E-02
Cs-137	1.610E-01	6.031E-02
Eu-152	ND	1.541E-01
Eu-154	ND	1.143E-01
Eu-155	ND	1.845E-01
Nb-94	ND	5.702E-02
Sb-125	ND	1.628E-01
NOL-03-01-021-F		
Ag-108m	ND	7.045E-02
Am-241	ND	2.757E-01
Co-60	6.504E-01	5.517E-02
Cs-134	ND	6.531E-02
Cs-137	4.621E-01	7.096E-02
Eu-152	ND	1.634E-01
Eu-154	ND	1.111E-01
Eu-155	ND	1.804E-01
Nb-94	ND	4.897E-02
Sb-125	ND	1.469E-01
NOL-03-01-022-F		
Ag-108m	ND	7.172E-02
Am-241	ND	3.413E-01
Co-60	3.011E-01	5.081E-02
Cs-134	ND	6.971E-02
Cs-137	8.855E-02	5.380E-02
Eu-152	ND	1.694E-01
Eu-154	ND	1.214E-01
Eu-155	ND	1.981E-01
Nb-94	ND	5.797E-02
Sb-125	ND	1.376E-01

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Radionuclide	Activity	MDC
NOL-03-01-023-F		
Ag-108m	ND	9.704E-02
Am-241	ND	3.304E-01
Co-60	ND	5.636E-02
Cs-134	ND	4.995E-02
Cs-137	ND	5.808E-02
Eu-152	ND	1.668E-01
Eu-154	ND	1.146E-01
Eu-155	ND	1.852E-01
Nb-94	ND	4.807E-02
Sb-125	1.774E-01	1.372E-01
NOL-03-01-024-F		
Ag-108m	ND	5.501E-02
Am-241	ND	3.282E-01
Co-60	1.047E-01	5.653E-02
Cs-134	ND	5.353E-02
Cs-137	ND	5.694E-02
Eu-152	ND	1.531E-01
Eu-154	ND	1.094E-01
Eu-155	ND	1.729E-01
Nb-94	ND	4.698E-02
Sb-125	ND	1.356E-01
NOL-03-02-001-F		
Ag-108m	ND	4.403E-02
Am-241	ND	2.276E-01
Co-60	ND	8.092E-02
Cs-134	ND	3.576E-02
Cs-137	ND	6.065E-02
Eu-152	ND	1.330E-01
Eu-154	ND	9.947E-02
Eu-155	ND	1.690E-01
Nb-94	ND	4.626E-02
Sb-125	ND	1.397E-01
NOL-03-02-002-F		
Ag-108m	ND	5.113E-02
Am-241	ND	5.970E-01
Co-60	ND	6.048E-02
Cs-134	ND	4.074E-02
Cs-137	ND	5.643E-02
Eu-152	ND	1.626E-01
Eu-154	ND	1.166E-01
Eu-155	ND	2.461E-01
Nb-94	ND	4.007E-02
Sb-125	ND	1.296E-01
NOL-03-02-003-F		
Ag-108m	ND	3.691E-02
Am-241	ND	2.255E-01
Co-60	ND	3.132E-02
Cs-134	ND	5.922E-02
Cs-137	3.661E-02	3.370E-02
Eu-152	ND	1.063E-01
Eu-154	ND	7.053E-02
Eu-155	ND	1.325E-01
Nb-94	ND	3.003E-02
Sb-125	1.059E-01	6.879E-02
NOL-03-02-004-F		
Ag-108m	ND	3.822E-02
Am-241	ND	1.957E-01
Co-60	ND	2.929E-02
Cs-134	ND	3.412E-02
Cs-137	5.246E-02	
Eu-152	ND	1.060E-01
Eu-154	ND	7.016E-02
Eu-155	ND	1.318E-01
Nb-94	ND	2.979E-02
Sb-125	ND	7.682E-02

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Radionuclide	Activity	MDC
NOL-03-02-005-F		
Ag-108m	ND	4.634E-02
Am-241	ND	2.538E-01
Co-60	ND	7.903E-02
Cs-134	ND	5.042E-02
Cs-137	ND	6.046E-02
Eu-152	ND	1.396E-01
Eu-154	ND	1.081E-01
Eu-155	ND	1.881E-01
Nb-94	ND	4.482E-02
Sb-125	ND	1.535E-01
NOL-03-02-006-F		
Ag-108m	2.338E-02	1.343E-02
Am-241	ND	1.869E-01
Co-60	ND	2.779E-02
Cs-134	ND	3.088E-02
Cs-137	ND	3.026E-02
Eu-152	ND	9.102E-02
Eu-154	ND	7.136E-02
Eu-155	ND	1.172E-01
Nb-94	ND	2.646E-02
Sb-125	7.920E-02	7.512E-02
NOL-03-02-007-F		
Ag-108m	ND	3.514E-02
Am-241	ND	2.111E-01
Co-60	ND	3.017E-02
Cs-134	ND	5.647E-02
Cs-137	ND	3.178E-02
Eu-152	ND	9.880E-02
Eu-154	ND	6.476E-02
Eu-155	ND	1.294E-01
Nb-94	ND	2.402E-02
Sb-125	ND	8.042E-02
NOL-03-02-008-F		
Ag-108m	ND	6.279E-02
Am-241	ND	6.896E-01
Co-60	ND	5.988E-02
Cs-134	ND	4.567E-02
Cs-137	5.317E-02	
Eu-152	ND	1.878E-01
Eu-154	ND	1.211E-01
Eu-155	ND	2.304E-01
Nb-94	ND	5.481E-02
Sb-125	ND	1.421E-01
NOL-03-02-009-F		
Ag-108m	ND	3.655E-02
Am-241	ND	1.013E+00
Co-60	ND	4.051E-02
Cs-134	ND	3.581E-02
Cs-137	ND	3.980E-02
Eu-152	ND	1.442E-01
Eu-154	ND	1.021E-01
Eu-155	ND	2.245E-01
Nb-94	ND	2.969E-02
Sb-125	ND	9.967E-02
NOL-03-02-010-F		
Ag-108m	ND	5.120E-02
Am-241	ND	2.327E-01
Co-60	ND	7.636E-02
Cs-134	ND	4.404E-02
Cs-137	ND	4.196E-02
Eu-152	ND	1.357E-01
Eu-154	ND	9.924E-02
Eu-155	ND	1.551E-01
Nb-94	ND	4.786E-02
Sb-125	ND	1.376E-01

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Radionuclide	Activity	MDC
NOL-03-02-011-F		
Ag-108m	ND	5.477E-02
Am-241	ND	6.546E-01
Co-60	ND	6.978E-02
Cs-134	ND	3.883E-02
Cs-137	ND	6.119E-02
Eu-152	ND	1.627E-01
Eu-154	ND	9.309E-02
Eu-155	ND	2.035E-01
Nb-94	ND	4.553E-02
Sb-125	ND	1.444E-01
NOL-03-02-012-F		
Ag-108m	ND	4.183E-02
Am-241	ND	2.146E-01
Co-60	ND	3.226E-02
Cs-134	ND	3.104E-02
Cs-137	ND	3.606E-02
Eu-152	ND	1.036E-01
Eu-154	ND	7.516E-02
Eu-155	ND	1.330E-01
Nb-94	ND	3.033E-02
Sb-125	9.530E-02	8.325E-02
NOL-03-02-013-F		
Ag-108m	ND	4.862E-02
Am-241	ND	2.705E-01
Co-60	ND	7.726E-02
Cs-134	ND	4.143E-02
Cs-137	ND	4.793E-02
Eu-152	ND	1.431E-01
Eu-154	ND	1.049E-01
Eu-155	ND	1.860E-01
Nb-94	ND	4.557E-02
Sb-125	ND	1.422E-01
C-14	ND	2.820E-01
Cm-243	ND	5.210E-01
Fe-55	ND	1.700E+01
H-3	ND	8.400E+00
Nb-95	ND	2.290E-02
Ni-63	ND	1.080E+01
Pu-238	ND	1.120E-01
Pu-239	ND	1.470E-01
Pu-241	ND	1.180E+01
Sr-90	ND	4.170E-02
Tc-99	ND	3.440E-01
U-235	ND	1.800E-01
U-238	ND	1.220E+00
NOL-03-02-014-F		
Ag-108m	ND	7.014E-02
Am-241	ND	7.810E-01
Co-60	ND	7.083E-02
Cs-134	ND	5.259E-02
Cs-137	ND	5.911E-02
Eu-152	ND	1.611E-01
Eu-154	ND	1.397E-01
Eu-155	ND	2.503E-01
Nb-94	ND	5.204E-02
Sb-125	ND	1.985E-01
NOL-03-02-015-F		
Ag-108m	ND	5.564E-02
Am-241	ND	5.907E-01
Co-60	ND	6.375E-02
Cs-134	ND	5.300E-02
Cs-137	ND	6.728E-02
Eu-152	ND	1.626E-01
Eu-154	ND	1.062E-01
Eu-155	ND	2.475E-01
Nb-94	ND	4.746E-02
Sb-125	ND	1.308E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-03-02-016-F		
Ag-108m	ND	5.139E-02
Am-241	ND	2.737E-01
Co-60	ND	4.870E-02
Cs-134	ND	5.305E-02
Cs-137	ND	5.457E-02
Eu-152	ND	1.423E-01
Eu-154	ND	1.009E-01
Eu-155	ND	1.705E-01
Nb-94	ND	4.159E-02
Sb-125	ND	1.216E-01
NOL-03-02-017-F		
Ag-108m	ND	4.239E-02
Am-241	ND	2.381E-01
Co-60	ND	2.826E-02
Cs-134	2.911E-02	1.932E-02
Cs-137	ND	3.435E-02
Eu-152	ND	1.148E-01
Eu-154	ND	7.842E-02
Eu-155	ND	1.336E-01
Nb-94	ND	2.990E-02
Sb-125	1.072E-01	7.936E-02
NOL-03-02-018-F		
Ag-108m	ND	4.599E-02
Am-241	ND	2.242E-01
Co-60	ND	8.568E-02
Cs-134	ND	4.835E-02
Cs-137	ND	5.196E-02
Eu-152	ND	1.471E-01
Eu-154	ND	1.007E-01
Eu-155	ND	1.764E-01
Nb-94	ND	5.236E-02
Sb-125	ND	1.117E-01
C-14	ND	2.580E-01
Cm-243	ND	1.760E-01
Fe-55	ND	1.660E+01
H-3	ND	7.580E+00
Nb-95	ND	2.280E-02
Ni-63	ND	2.180E+01
Pu-238	ND	2.050E-01
Pu-239	ND	1.310E-01
Pu-241	ND	1.340E+01
Sr-90	ND	3.920E-02
Tc-99	ND	3.180E-01
U-235	ND	1.640E-01
U-238	ND	1.370E+00
NOL-03-02-019-F		
Ag-108m	ND	1.159E-02
Am-241	ND	1.851E-02
Co-60	ND	1.800E-02
Cs-134	ND	9.108E-03
Cs-137	ND	1.143E-02
Eu-152	ND	9.284E-03
Eu-154	ND	6.710E-03
Eu-155	ND	9.184E-03
Nb-94	ND	1.241E-02
Sb-125	ND	2.150E-02
NOL-03-02-020-F		
Ag-108m	ND	3.942E-02
Am-241	ND	7.067E-01
Co-60	ND	6.715E-02
Cs-134	ND	5.338E-02
Cs-137	ND	4.875E-02
Eu-152	ND	1.817E-01
Eu-154	ND	1.190E-01
Eu-155	ND	2.140E-01
Nb-94	ND	4.168E-02
Sb-125	ND	1.644E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-04-01-001-F		
Ag-108m	ND	7.769E-02
Am-241	ND	3.282E-01
Co-60	ND	7.675E-02
Cs-134	ND	6.944E-02
Cs-137	ND	6.188E-02
Eu-152	ND	1.480E-01
Eu-154	ND	9.751E-02
Eu-155	ND	1.742E-01
Nb-94	ND	4.766E-02
Sb-125	ND	1.258E-01
NOL-04-01-002-F		
Ag-108m	ND	2.160E-02
Am-241	ND	1.026E+00
Co-60	ND	3.620E-02
Cs-134	ND	3.461E-02
Cs-137	ND	3.829E-02
Eu-152	ND	1.356E-01
Eu-154	ND	9.751E-02
Eu-155	ND	2.173E-01
Nb-94	ND	3.455E-02
Sb-125	ND	9.075E-02
NOL-04-01-003-F		
Ag-108m	ND	5.848E-02
Am-241	ND	9.275E-01
Co-60	ND	3.446E-02
Cs-134	ND	5.613E-02
Cs-137	ND	4.119E-02
Eu-152	ND	1.254E-01
Eu-154	ND	9.901E-02
Eu-155	ND	2.201E-01
Nb-94	ND	2.660E-02
Sb-125	ND	8.873E-02
NOL-04-01-004-F		
Ag-108m	ND	4.841E-02
Am-241	ND	1.251E+00
Co-60	ND	3.921E-02
Cs-134	ND	3.702E-02
Cs-137	ND	4.477E-02
Eu-152	ND	1.649E-01
Eu-154	ND	1.202E-01
Eu-155	ND	2.503E-01
Nb-94	ND	3.203E-02
Sb-125	ND	1.075E-01
NOL-04-01-005-F		
Ag-108m	ND	4.896E-02
Am-241	ND	1.203E+00
Co-60	ND	3.870E-02
Cs-134	ND	4.023E-02
Cs-137	ND	4.043E-02
Eu-152	ND	1.498E-01
Eu-154	ND	9.172E-02
Eu-155	ND	2.522E-01
Nb-94	ND	3.259E-02
Sb-125	9.849E-02	8.367E-02
NOL-04-01-006-F		
Ag-108m	ND	5.524E-02
Am-241	ND	2.880E-01
Co-60	ND	5.792E-02
Cs-134	ND	5.434E-02
Cs-137	ND	4.408E-02
Eu-152	ND	1.403E-01
Eu-154	ND	1.009E-01
Eu-155	ND	1.809E-01
Nb-94	ND	4.063E-02
Sb-125	ND	1.131E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
NOL-04-01-007-F		
Ag-108m	ND	8.220E-02
Am-241	ND	6.974E-01
Co-60	ND	6.625E-02
Cs-134	ND	4.663E-02
Cs-137	ND	5.685E-02
Eu-152	ND	1.527E-01
Eu-154	ND	1.259E-01
Eu-155	ND	2.382E-01
Nb-94	ND	5.698E-02
Sb-125	ND	1.522E-01
NOL-04-01-008-F		
Ag-108m	ND	6.914E-02
Am-241	ND	2.897E-01
Co-60	ND	5.699E-02
Cs-134	ND	5.216E-02
Cs-137	ND	5.770E-02
Eu-152	ND	1.482E-01
Eu-154	ND	1.064E-01
Eu-155	ND	1.662E-01
Nb-94	ND	4.308E-02
Sb-125	ND	1.145E-01
NOL-04-01-009-F		
Ag-108m	ND	6.187E-02
Am-241	ND	6.532E-01
Co-60	ND	5.782E-02
Cs-134	ND	5.060E-02
Cs-137	1.528E-01	6.328E-02
Eu-152	ND	1.571E-01
Eu-154	ND	8.755E-02
Eu-155	ND	2.665E-01
Nb-94	ND	4.816E-02
Sb-125	ND	1.424E-01
NOL-04-01-010-F		
Ag-108m	ND	3.976E-02
Am-241	ND	1.037E+00
Co-60	ND	3.591E-02
Cs-134	ND	3.520E-02
Cs-137	6.881E-02	
Eu-152	ND	1.131E-01
Eu-154	ND	1.051E-01
Eu-155	ND	2.204E-01
Nb-94	ND	2.964E-02
Sb-125	ND	1.066E-01
NOL-04-01-011-F		
Ag-108m	ND	7.333E-02
Am-241	ND	3.115E-01
Co-60	ND	6.027E-02
Cs-134	ND	5.094E-02
Cs-137	ND	5.785E-02
Eu-152	ND	1.299E-01
Eu-154	ND	1.119E-01
Eu-155	ND	1.815E-01
Nb-94	ND	5.329E-02
Sb-125	ND	1.335E-01

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Radionuclide	Activity	MDC
NOL-04-01-012-F		
Ag-108m	ND	8.875E-02
Co-60	ND	5.699E-02
Cs-134	ND	4.586E-02
Cs-137	ND	7.070E-02
Eu-152	ND	1.879E-01
Eu-154	ND	1.322E-01
Eu-155	ND	3.212E-01
Nb-94	ND	5.753E-02
Sb-125	ND	1.689E-01
C-14	ND	1.390E-01
Cm-243	ND	1.650E-01
Fe-55	ND	1.670E+01
H-3	ND	6.170E+00
Nb-95	ND	3.720E-02
Ni-63	ND	8.900E+00
Pu-238	ND	6.880E-02
Pu-239	ND	1.400E-01
Pu-241	ND	2.390E+01
Sr-90	ND	2.740E-02
Tc-99	ND	2.650E-01
U-235	ND	2.710E-01
U-238	ND	2.650E+00
NOL-04-01-013-F		
Ag-108m	ND	4.625E-02
Am-241	ND	1.133E+00
Co-60	1.181E-01	4.042E-02
Cs-134	ND	3.459E-02
Cs-137	4.649E-01	4.641E-02
Eu-152	ND	1.437E-01
Eu-154	ND	9.465E-02
Eu-155	ND	2.406E-01
Nb-94	ND	3.001E-02
Sb-125	ND	8.305E-02
NOL-04-01-014-F		
Ag-108m	ND	4.036E-02
Am-241	ND	9.293E-01
Co-60	ND	3.216E-02
Cs-134	2.505E-02	2.254E-02
Cs-137	ND	3.569E-02
Eu-152	ND	1.371E-01
Eu-154	ND	9.961E-02
Eu-155	ND	2.281E-01
Nb-94	ND	2.677E-02
Sb-125	ND	9.419E-02
NOL-04-01-015-F		
Ag-108m	ND	5.986E-02
Am-241	NA	7.051E-01
Co-60	1.698E-01	6.142E-02
Cs-134	ND	5.172E-02
Cs-137	1.305E-01	6.222E-02
Eu-152	ND	1.863E-01
Eu-154	ND	1.225E-01
Eu-155	ND	2.412E-01
Nb-94	ND	5.158E-02
Sb-125	ND	1.547E-01
NOL-04-01-016-F		
Ag-108m	ND	4.142E-02
Am-241	ND	7.446E-01
Co-60	ND	3.238E-02
Cs-134	ND	5.147E-02
Cs-137	ND	3.800E-02
Eu-152	ND	1.334E-01
Eu-154	ND	9.061E-02
Eu-155	NA	2.383E-01
Nb-94	ND	2.967E-02
Sb-125	ND	1.061E-01

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Radionuclide	Activity	MDC
NOL-04-01-017-F		
Ag-108m	ND	3.751E-02
Am-241	ND	9.633E-01
Co-60	ND	3.529E-02
Cs-134	ND	3.713E-02
Cs-137	8.144E-02	3.923E-02
Eu-154	ND	1.012E-01
Eu-155	ND	2.303E-01
Nb-94	ND	3.174E-02
Sb-125	1.086E-01	9.416E-02
NOL-04-01-018-F		
Ag-108m	ND	5.726E-02
Am-241	ND	9.462E-01
Co-60	ND	3.687E-02
Cs-134	ND	3.586E-02
Cs-137	ND	3.691E-02
Eu-152	ND	1.497E-01
Eu-154	ND	1.065E-01
Eu-155	ND	2.411E-01
Nb-94	ND	2.930E-02
Sb-125	ND	1.002E-01
NOL-04-01-019-F		
Ag-108m	ND	6.408E-02
Am-241	ND	3.242E-01
Co-60	1.203E-01	
Cs-134	ND	1.270E-01
Cs-137	1.642E-01	
Eu-152	ND	1.551E-01
Eu-154	ND	1.148E-01
Eu-155	ND	1.824E-01
Nb-94	ND	5.280E-02
Sb-125	1.665E-01	1.456E-01
NOL-04-01-020-F		
Ag-108m	ND	4.293E-02
Am-241	ND	9.517E-01
Co-60	3.764E-01	
Cs-134	ND	3.929E-02
Cs-137	1.127E-01	
Eu-152	ND	1.532E-01
Eu-154	ND	1.175E-01
Eu-155	ND	2.131E-01
Nb-94	ND	4.486E-02
Sb-125	ND	1.119E-01
C-14	ND	1.480E-01
Cm-243	ND	1.660E-01
Fe-55	ND	1.490E+01
H-3	ND	5.860E+00
Nb-95	ND	2.020E-02
Ni-63	ND	8.390E+00
Pu-238	ND	3.490E-02
Pu-239	ND	6.430E-02
Pu-241	ND	1.790E+01
Sr-90	ND	2.690E-02
Tc-99	ND	2.530E-01
U-235	ND	1.640E-01
U-238	ND	1.340E+00
NOL-05-01-001-F		
Ag-108m	ND	2.861E-02
Am-241	ND	1.099E+00
Co-60	ND	3.735E-02
Cs-134	ND	3.398E-02
Cs-137	ND	4.434E-02
Eu-152	1.500E-01	1.377E-01
Eu-154	ND	1.023E-01
Eu-155	ND	2.044E-01
Nb-94	ND	3.023E-02
Sb-125	ND	1.088E-01

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Radionuclide	Activity	MDC
NOL-05-01-002-F		
Ag-108m	ND	4.638E-02
Am-241	ND	2.731E-01
Co-60	ND	5.619E-02
Cs-134	ND	1.181E-01
Cs-137	ND	5.124E-02
Eu-152	ND	1.401E-01
Eu-154	ND	9.841E-02
Eu-155	ND	1.573E-01
Nb-94	ND	5.023E-02
Sb-125	ND	1.095E-01
NOL-05-01-003-F		
Ag-108m	ND	7.256E-02
Am-241	ND	2.951E-01
Co-60	ND	6.290E-02
Cs-134	ND	4.989E-02
Cs-137	ND	5.504E-02
Eu-152	ND	1.251E-01
Eu-154	ND	1.039E-01
Eu-155	ND	1.668E-01
Nb-94	ND	3.613E-02
Sb-125	ND	1.355E-01
NOL-05-01-004-F		
Ag-108m	ND	5.889E-02
Am-241	ND	2.993E-01
Co-60	ND	5.928E-02
Cs-134	ND	5.444E-02
Cs-137	ND	4.520E-02
Eu-152	ND	1.499E-01
Eu-154	ND	1.067E-01
Eu-155	ND	1.789E-01
Nb-94	ND	5.588E-02
Sb-125	ND	1.418E-01
NOL-05-01-005-F		
Ag-108m	ND	3.940E-02
Am-241	ND	1.098E+00
Co-60	ND	3.389E-02
Cs-134	ND	3.712E-02
Cs-137	ND	3.296E-02
Eu-152	ND	1.360E-01
Eu-154	ND	1.073E-01
Eu-155	ND	2.221E-01
Nb-94	ND	4.191E-02
Sb-125	9.766E-02	9.646E-02
NOL-05-01-006-F		
Ag-108m	ND	3.732E-02
Am-241	ND	1.087E+00
Co-60	ND	4.124E-02
Cs-134	ND	4.047E-02
Cs-137	6.997E-02	
Eu-152	ND	1.324E-01
Eu-154	ND	9.498E-02
Eu-155	ND	2.265E-01
Nb-94	ND	3.090E-02
Sb-125	ND	1.012E-01
NOL-05-01-007-F		
Ag-108m	ND	3.833E-02
Am-241	ND	8.304E-01
Co-60	ND	2.771E-02
Cs-134	ND	3.315E-02
Cs-137	ND	3.273E-02
Eu-152	ND	1.348E-01
Eu-154	ND	9.193E-02
Eu-155	ND	2.208E-01
Nb-94	ND	2.986E-02
Sb-125	ND	9.611E-02
NOL-05-01-008-F		
Ag-108m	ND	6.944E-02
Am-241	ND	3.058E-01
Co-60	ND	4.754E-02
Cs-134	ND	1.172E-01
Cs-137	ND	5.637E-02

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Radionuclide	Activity	MDC
Eu-152	ND	1.459E-01
Eu-154	ND	1.014E-01
Eu-155	ND	1.692E-01
Nb-94	ND	4.873E-02
Sb-125	ND	1.245E-01
NOL-05-01-009-F		
Ag-108m	ND	3.608E-02
Am-241	ND	8.436E-01
Co-60	ND	3.629E-02
Cs-134	ND	3.483E-02
Cs-137	ND	3.629E-02
Eu-152	ND	1.514E-01
Eu-154	ND	1.064E-01
Eu-155	ND	2.475E-01
Nb-94	ND	3.527E-02
Sb-125	ND	1.015E-01
NOL-05-01-010-F		
Ag-108m	ND	5.117E-02
Am-241	ND	1.028E+00
Co-60	ND	3.042E-02
Cs-134	ND	4.124E-02
Cs-137	ND	3.706E-02
Eu-152	ND	1.342E-01
Eu-154	ND	1.029E-01
Eu-155	ND	1.846E-01
Nb-94	ND	3.031E-02
Sb-125	1.033E-01	9.461E-02
C-14	ND	1.500E-01
Cm-243	ND	3.100E-02
Fe-55	ND	1.620E+01
H-3	ND	6.430E+00
Nb-95	ND	2.070E-02
Ni-63	ND	8.130E+00
Pu-238	ND	6.360E-02
Pu-239	ND	7.560E-02
Pu-241	ND	1.760E+01
Sr-90	ND	1.880E-02
Tc-99	ND	2.470E-01
U-235	ND	1.920E-01
U-238	ND	2.000E+00
NOL-05-01-011-F		
Ag-108m	ND	9.151E-02
Am-241	ND	3.304E-01
Co-60	5.567E-02	5.035E-02
Cs-134	ND	8.007E-03
Cs-137	6.067E-02	5.242E-02
Eu-152	ND	1.513E-01
Eu-154	ND	1.058E-01
Eu-155	2.044E-01	1.730E-01
Nb-94	ND	3.814E-02
Sb-125	ND	1.419E-01
NOL-05-01-012-F		
Ag-108m	ND	7.442E-02
Am-241	ND	3.075E-01
Co-60	ND	5.988E-02
Cs-134	ND	6.353E-02
Cs-137	2.374E-01	
Eu-152	ND	1.459E-01
Eu-154	ND	9.802E-02
Eu-155	ND	1.673E-01
Nb-94	ND	5.210E-02
Sb-125	ND	1.436E-01
NOL-05-01-013-F		
Ag-108m	ND	7.628E-02
Am-241	ND	3.064E-01
Co-60	ND	5.539E-02
Cs-134	ND	3.475E-02
Cs-137	ND	5.717E-02
Eu-152	ND	1.508E-01
Eu-154	ND	1.025E-01
Eu-155	ND	1.707E-01
Nb-94	ND	5.221E-02

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Radionuclide	Activity	MDC
Sb-125	ND	1.506E-01
C-14	ND	1.590E-01
Cm-243	ND	4.740E-02
Fe-55	ND	1.500E+01
H-3	ND	6.280E+00
Nb-95	ND	1.630E-02
Ni-63	ND	8.580E+00
Pu-238	ND	5.830E-02
Pu-239	ND	9.690E-02
Pu-241	ND	2.280E+01
Sr-90	ND	2.050E-02
Tc-99	ND	2.850E-01
U-235	ND	1.540E-01
U-238	ND	1.160E+00
NOL-05-01-014-F		
Ag-108m	ND	3.951E-02
Am-241	ND	9.917E-01
Co-60	ND	2.798E-02
Cs-134	ND	2.913E-02
Cs-137	ND	3.934E-02
Eu-152	ND	1.245E-01
Eu-154	ND	9.495E-02
Eu-155	ND	2.206E-01
Nb-94	ND	2.712E-02
Sb-125	ND	1.007E-01
NOL-05-01-015-F		
Ag-108m	ND	4.635E-02
Am-241	ND	1.178E+00
Co-60	1.506E-01	
Cs-134	ND	3.547E-02
Cs-137	1.828E-01	
Eu-152	ND	1.596E-01
Eu-154	ND	1.123E-01
Eu-155	ND	2.366E-01
Nb-94	ND	3.652E-02
Sb-125	1.509E-01	1.118E-01
NOL-05-01-016-F		
Ag-108m	ND	6.539E-02
Am-241	ND	3.015E-01
Co-60	ND	4.482E-02
Cs-134	ND	3.772E-02
Cs-137	ND	5.413E-02
Eu-152	ND	1.069E-01
Eu-154	ND	9.685E-02
Eu-155	ND	1.687E-01
Nb-94	ND	4.391E-02
Sb-125	ND	1.140E-01
NOL-05-01-017-F		
Ag-108m	ND	5.697E-02
Am-241	ND	2.738E-01
Co-60	ND	4.398E-02
Cs-134	ND	3.469E-02
Cs-137	ND	5.445E-02
Eu-152	ND	1.324E-01
Eu-154	ND	8.307E-02
Eu-155	ND	1.704E-01
Nb-94	ND	3.377E-02
Sb-125	ND	1.087E-01
NOL-05-01-018-F		
Ag-108m	ND	3.119E-02
Am-241	ND	1.179E+00
Co-60	ND	3.943E-02
Cs-134	ND	3.316E-02
Cs-137	6.314E-02	
Eu-152	ND	1.408E-01
Eu-154	ND	1.048E-01
Eu-155	ND	2.109E-01
Nb-94	ND	3.606E-02
Sb-125	1.072E-01	9.920E-02
NOL-05-01-019-F		
Ag-108m	ND	5.541E-02
Am-241	ND	2.864E-01

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Radionuclide	Activity	MDC
Co-60	ND	5.057E-02
Cs-134	ND	1.151E-01
Cs-137	ND	5.185E-02
Eu-152	ND	1.386E-01
Eu-154	ND	9.817E-02
Eu-155	ND	1.625E-01
Nb-94	ND	4.769E-02
Sb-125	ND	1.220E-01
NOL-05-01-020-F		
Ag-108m	ND	1.030E-01
Am-241	ND	3.031E-01
Co-60	ND	6.560E-02
Cs-134	ND	4.765E-02
Cs-137	ND	5.264E-02
Eu-152	ND	1.466E-01
Eu-154	ND	1.065E-01
Eu-155	ND	1.738E-01
Nb-94	ND	5.574E-02
Sb-125	ND	1.235E-01
NOL-05-02-006-F		
Ag-108m	ND	7.031E-02
Am-241	ND	7.182E-01
Co-60	ND	5.541E-02
Cs-134	3.471E-02	2.606E-02
Cs-137	1.322E-01	
Eu-152	ND	1.629E-01
Eu-154	ND	1.289E-01
Eu-155	ND	2.779E-01
Nb-94	ND	5.304E-02
Sb-125	ND	1.405E-01
Nb-95	ND	1.040E+01
U-235	ND	3.210E-01
U-238	2.870E+00	2.520E+00
NOL-05-02-016-F		
Ag-108m	ND	4.062E-02
Am-241	ND	1.057E+00
Co-60	ND	3.925E-02
Cs-134	ND	7.260E-02
Cs-137	ND	3.846E-02
Eu-152	ND	1.458E-01
Eu-154	ND	9.437E-02
Eu-155	ND	2.435E-01
Nb-94	ND	3.056E-02
Sb-125	ND	1.125E-01
NOL-05-02-022-F		
Ag-108m	ND	7.448E-02
Am-241	ND	6.323E-01
Co-60	6.162E-01	
Cs-134	ND	7.374E-02
Cs-137	2.189E-01	
Eu-152	ND	2.061E-01
Eu-154	ND	1.563E-01
Eu-155	ND	2.891E-01
Nb-94	ND	7.538E-02
Sb-125	ND	1.839E-01
Nb-95	ND	1.450E+01
U-235	ND	3.040E-01
U-238	ND	8.090E-01
NOL-05-02-023-F		
Ag-108m	ND	4.547E-02
Am-241	ND	1.153E+00
Co-60	ND	5.197E-02
Cs-134	ND	4.395E-02
Cs-137	1.191E-01	
Eu-152	ND	1.579E-01
Eu-154	ND	1.172E-01
Eu-155	ND	2.419E-01
Nb-94	ND	3.623E-02
Sb-125	ND	1.126E-01
NOL-05-02-026-F		
Ag-108m	ND	4.232E-02
Am-241	ND	2.108E-01

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Radionuclide	Activity	MDC
Co-60	4.196E-01	
Cs-134	ND	4.645E-02
Cs-137	1.299E-01	
Eu-152	ND	1.079E-01
Eu-154	ND	6.944E-02
Eu-155	ND	1.290E-01
Nb-94	ND	3.451E-02
Sb-125	9.342E-02	8.218E-02
NOL-06-01-001-F		
Ag-108m	ND	4.208E-02
Am-241	ND	9.314E-01
Co-60	ND	3.740E-02
Cs-134	3.642E-02	2.386E-02
Cs-137	ND	4.365E-02
Eu-152	ND	1.560E-01
Eu-154	ND	1.169E-01
Eu-155	ND	2.678E-01
Nb-94	ND	3.209E-02
Sb-125	ND	1.023E-01
NOL-06-01-002-F		
Ag-108m	ND	5.889E-02
Am-241	ND	7.468E-01
Co-60	1.727E-01	6.158E-02
Cs-134	ND	6.757E-02
Cs-137	1.265E-01	6.537E-02
Eu-152	ND	1.738E-01
Eu-154	ND	1.266E-01
Eu-155	ND	2.832E-01
Nb-94	ND	5.109E-02
Sb-125	ND	1.591E-01
NOL-06-01-003-F		
Ag-108m	NA	9.153E-02
Am-241	ND	7.055E-01
Co-60	ND	7.552E-02
Cs-134	ND	5.064E-02
Cs-137	ND	6.359E-02
Eu-152	ND	1.790E-01
Eu-154	ND	1.192E-01
Eu-155	ND	3.056E-01
Nb-94	NA	6.466E-02
Sb-125	ND	1.298E-01
NOL-06-01-004-F		
Ag-108m	ND	4.256E-02
Am-241	ND	1.113E+00
Co-60	ND	3.819E-02
Cs-134	ND	4.465E-02
Cs-137	ND	4.230E-02
Eu-152	ND	1.489E-01
Eu-154	ND	1.090E-01
Eu-155	ND	2.492E-01
Nb-94	ND	3.226E-02
Sb-125	ND	1.005E-01
NOL-06-01-005-F		
Ag-108m	3.817E-02	3.181E-02
Am-241	ND	1.236E+00
Co-60	3.210E-01	5.017E-02
Cs-134	ND	4.591E-02
Cs-137	6.668E-01	5.241E-02
Eu-152	ND	1.610E-01
Eu-154	ND	1.144E-01
Eu-155	ND	2.349E-01
Nb-94	ND	4.318E-02
Sb-125	ND	1.223E-01
NOL-06-01-006-F		
Ag-108m	ND	5.429E-02
Am-241	ND	7.238E-01
Co-60	ND	6.483E-02
Cs-134	ND	6.446E-02
Cs-137	1.585E-01	6.498E-02
Eu-152	ND	1.836E-01
Eu-154	ND	1.281E-01
Eu-155	ND	2.984E-01

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Radionuclide	Activity	MDC
Nb-94	ND	5.427E-02
Sb-125	ND	1.424E-01
NOL-06-01-007-F		
Ag-108m	ND	4.984E-02
Am-241	ND	1.171E+00
Co-60	1.011E-01	4.370E-02
Cs-134	ND	3.718E-02
Cs-137	1.992E-01	4.806E-02
Eu-152	ND	1.549E-01
Eu-154	ND	1.093E-01
Eu-155	ND	2.373E-01
Nb-94	ND	3.072E-02
Sb-125	ND	1.174E-01
NOL-06-01-008-F		
Ag-108m	ND	5.183E-02
Am-241	ND	6.899E-01
Co-60	ND	5.346E-02
Cs-134	ND	3.622E-02
Cs-137	9.595E-02	6.184E-02
Eu-152	ND	1.591E-01
Eu-154	ND	1.172E-01
Eu-155	ND	2.525E-01
Nb-94	ND	5.325E-02
Sb-125	ND	1.349E-01
NOL-06-01-009-F		
Ag-108m	ND	4.637E-02
Am-241	ND	1.155E+00
Co-60	ND	3.658E-02
Cs-137	9.566E-02	4.554E-02
Eu-152	ND	1.397E-01
Eu-154	ND	1.015E-01
Eu-155	ND	2.227E-01
Nb-94	ND	3.149E-02
Sb-125	ND	1.079E-01
NOL-06-01-010-F		
Ag-108m	ND	5.934E-02
Am-241	ND	7.140E-01
Co-60	ND	6.669E-02
Cs-134	ND	5.550E-02
Cs-137	ND	6.623E-02
Eu-152	ND	1.543E-01
Eu-154	ND	1.107E-01
Eu-155	ND	2.620E-01
Nb-94	ND	5.158E-02
Sb-125	ND	1.192E-01
NOL-06-01-011-F		
Ag-108m	ND	4.670E-02
Am-241	ND	1.015E+00
Co-60	ND	3.805E-02
Cs-134	ND	3.988E-02
Cs-137	6.094E-02	3.360E-02
Eu-152	ND	1.441E-01
Eu-154	ND	1.044E-01
Eu-155	ND	2.279E-01
Nb-94	ND	2.651E-02
Sb-125	ND	9.525E-02
NOL-06-01-012-F		
Ag-108m	ND	3.902E-02
Am-241	ND	9.450E-01
Co-60	ND	2.607E-02
Cs-134	ND	3.953E-02
Cs-137	ND	3.676E-02
Eu-152	ND	1.483E-01
Eu-154	ND	9.492E-02
Eu-155	ND	2.311E-01
Nb-94	ND	3.492E-02
Sb-125	1.175E-01	8.328E-02
NOL-06-01-013-F		
Ag-108m	ND	3.708E-02
Am-241	ND	6.889E-01
Co-60	ND	4.585E-02
Cs-134	ND	2.861E-02

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Radionuclide	Activity	MDC
Cs-137	NA	4.462E-02
Eu-152	ND	1.467E-01
Eu-154	ND	1.115E-01
Eu-155	ND	2.512E-01
Nb-94	ND	3.469E-02
Sb-125	ND	8.369E-02
NOL-06-01-014-F		
Ag-108m	3.196E-02	2.654E-02
Am-241	ND	7.441E-01
Co-60	ND	6.446E-02
Cs-134	ND	5.693E-02
Cs-137	ND	6.297E-02
Eu-152	ND	1.753E-01
Eu-154	ND	1.094E-01
Eu-155	ND	2.844E-01
Nb-94	ND	5.257E-02
Sb-125	ND	1.445E-01
NOL-06-01-015-F-SD		
Ag-108m	ND	3.666E-02
Am-241	ND	1.830E-01
Co-60	ND	3.384E-02
Cs-134	ND	2.724E-02
Cs-137	1.485E-01	3.126E-02
Eu-152	ND	7.257E-02
Eu-154	ND	6.659E-02
Eu-155	ND	1.198E-01
Nb-94	ND	2.443E-02
Sb-125	7.396E-02	7.038E-02
NOL-06-01-016-F		
Ag-108m	ND	3.652E-02
Am-241	ND	7.022E-01
Co-60	ND	6.370E-02
Cs-134	ND	5.929E-02
Cs-137	ND	5.175E-02
Eu-152	ND	1.602E-01
Eu-154	ND	1.225E-01
Eu-155	ND	2.538E-01
Nb-94	ND	4.181E-02
Sb-125	ND	1.460E-01
NOL-06-01-017-F		
Ag-108m	ND	4.007E-02
Am-241	ND	8.954E-01
Co-60	9.180E-02	3.529E-02
Cs-134	ND	3.477E-02
Cs-137	1.210E-01	3.505E-02
Eu-152	ND	1.492E-01
Eu-154	ND	1.116E-01
Eu-155	ND	2.338E-01
Nb-94	ND	3.313E-02
Sb-125	ND	1.121E-01
NOL-06-01-018-F		
Ag-108m	ND	5.937E-02
Am-241	ND	1.528E+00
Co-60	ND	6.818E-02
Cs-134	ND	1.220E-01
Cs-137	4.502E-01	6.520E-02
Eu-152	ND	1.799E-01
Eu-154	ND	1.228E-01
Eu-155	ND	3.135E-01
Nb-94	ND	5.261E-02
Sb-125	ND	1.314E-01
NOL-06-01-019-F		
Ag-108m	NA	1.090E-01
Am-241	ND	1.050E+00
Co-60	ND	1.237E-01
Cs-134	ND	1.135E-01
Cs-137	3.833E-01	1.022E-01
Eu-152	ND	2.061E-01
Eu-155	ND	2.942E-01
Nb-94	ND	9.159E-02
Sb-125	ND	2.251E-01
NOL-06-01-020-F		

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Radionuclide	Activity	MDC
Ag-108m	ND	6.244E-02
Am-241	ND	1.484E+00
Co-60	ND	8.884E-02
Cs-134	ND	5.248E-02
Cs-137	3.244E-01	6.263E-02
Eu-152	ND	1.927E-01
Eu-154	ND	1.464E-01
Eu-155	ND	3.281E-01
Nb-94	ND	5.202E-02
Sb-125	ND	1.417E-01
NOL-06-02-001-F		
Ag-108m	ND	4.273E-02
Am-241	ND	2.388E-01
Co-60	ND	2.889E-02
Cs-134	ND	3.184E-02
Cs-137	ND	3.304E-02
Eu-152	ND	1.085E-01
Eu-154	ND	7.900E-02
Eu-155	ND	1.364E-01
Nb-94	ND	2.463E-02
Sb-125	ND	8.604E-02
NOL-06-02-002-F		
Ag-108m	ND	3.442E-02
Am-241	ND	1.171E+00
Co-60	ND	3.615E-02
Cs-134	ND	3.500E-02
Cs-137	ND	4.528E-02
Eu-152	ND	1.491E-01
Eu-154	ND	1.045E-01
Eu-155	ND	2.482E-01
Nb-94	ND	2.905E-02
Sb-125	1.157E-01	1.008E-01
NOL-06-02-003-F		
Ag-108m	ND	3.243E-02
Am-241	ND	9.071E-01
Co-60	ND	3.885E-02
Cs-134	ND	3.029E-02
Cs-137	ND	4.310E-02
Eu-152	ND	1.483E-01
Eu-154	ND	1.149E-01
Eu-155	ND	2.617E-01
Nb-94	ND	2.835E-02
Sb-125	1.314E-01	1.041E-01
NOL-06-02-004-F		
Ag-108m	ND	4.912E-02
Am-241	ND	3.110E-01
Co-60	ND	5.726E-02
Cs-134	ND	6.104E-02
Cs-137	ND	6.249E-02
Eu-152	ND	1.451E-01
Eu-154	ND	9.910E-02
Eu-155	ND	1.744E-01
Nb-94	ND	5.283E-02
Sb-125	1.531E-01	1.190E-01
NOL-06-02-005-F		
Ag-108m	ND	6.258E-02
Am-241	ND	2.868E-01
Co-60	ND	4.646E-02
Cs-134	ND	5.702E-02
Cs-137	ND	5.253E-02
Eu-152	1.377E-01	1.283E-01
Eu-154	ND	1.061E-01
Eu-155	ND	1.737E-01
Nb-94	ND	5.960E-02
Sb-125	1.096E-01	9.948E-02
NOL-06-02-006-F		
Ag-108m	ND	3.468E-02
Am-241	ND	9.649E-01
Co-60	ND	3.635E-02
Cs-134	ND	2.809E-02
Cs-137	ND	3.322E-02
Eu-152	ND	1.355E-01

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Radionuclide	Activity	MDC
Eu-154	ND	9.521E-02
Eu-155	ND	2.146E-01
Nb-94	ND	2.689E-02
Sb-125	ND	1.040E-01
NOL-06-02-007-F		
Ag-108m	ND	4.016E-02
Am-241	ND	1.014E+00
Co-60	ND	3.897E-02
Cs-134	ND	3.752E-02
Cs-137	ND	3.635E-02
Eu-152	ND	1.349E-01
Eu-154	ND	1.151E-01
Eu-155	ND	2.412E-01
Nb-94	ND	3.288E-02
Sb-125	ND	1.105E-01
NOL-06-02-008-F		
Ag-108m	ND	5.777E-02
Am-241	ND	3.114E-01
Co-60	ND	5.249E-02
Cs-134	ND	9.529E-02
Cs-137	ND	4.695E-02
Eu-152	ND	1.379E-01
Eu-154	ND	1.051E-01
Eu-155	ND	1.382E-01
Nb-94	ND	4.983E-02
Sb-125	ND	1.364E-01
NOL-06-02-009-F		
Ag-108m	ND	5.699E-02
Am-241	ND	7.459E-01
Co-60	ND	6.082E-02
Cs-134	ND	4.570E-02
Cs-137	ND	5.462E-02
Eu-152	ND	1.819E-01
Eu-154	ND	1.334E-01
Eu-155	ND	2.713E-01
Nb-94	ND	5.167E-02
Sb-125	ND	1.724E-01
NOL-06-02-010-F		
Ag-108m	ND	5.733E-02
Am-241	ND	6.915E-01
Co-60	ND	8.583E-02
Cs-134	ND	5.090E-02
Cs-137	ND	6.105E-02
Eu-152	ND	1.742E-01
Eu-154	ND	1.178E-01
Eu-155	ND	2.666E-01
Nb-94	ND	5.633E-02
Sb-125	ND	1.505E-01
NOL-06-02-011-F		
Ag-108m	ND	3.340E-02
Am-241	ND	2.873E-01
Co-60	ND	5.435E-02
Cs-134	ND	4.886E-02
Cs-137	ND	3.972E-02
Eu-152	ND	1.382E-01
Eu-154	ND	8.630E-02
Eu-155	ND	1.618E-01
Nb-94	ND	5.050E-02
Sb-125	ND	1.275E-01
NOL-06-02-012-F		
Ag-108m	ND	4.784E-02
Am-241	ND	3.402E-01
Co-60	ND	6.228E-02
Cs-134	ND	4.229E-02
Cs-137	1.213E-01	
Eu-152	ND	1.656E-01
Eu-154	ND	1.116E-01
Eu-155	ND	1.882E-01
Nb-94	ND	5.460E-02
Sb-125	ND	1.414E-01
NOL-06-02-013-F		
Ag-108m	ND	4.627E-02

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Radionuclide	Activity	MDC
Am-241	ND	1.125E+00
Co-60	ND	3.951E-02
Cs-134	3.773E-02	2.074E-02
Cs-137	6.281E-02	
Eu-152	ND	1.619E-01
Eu-154	ND	1.202E-01
Eu-155	ND	2.732E-01
Nb-94	ND	2.974E-02
Sb-125	ND	1.228E-01
C-14	ND	2.730E-01
Cm-243	ND	1.650E-01
Fe-55	ND	1.640E+01
H-3	ND	8.620E+00
Nb-95	ND	2.160E-02
Ni-63	ND	8.230E+00
Pu-238	ND	2.580E-01
Pu-239	ND	1.310E-01
Pu-241	ND	1.040E+01
Sr-90	ND	4.800E-02
Tc-99	ND	3.580E-01
U-235	ND	1.730E-01
U-238	ND	1.400E+00
NOL-06-02-014-F		
Ag-108m	ND	3.447E-02
Am-241	ND	2.112E-01
Co-60	ND	3.302E-02
Cs-134	ND	3.359E-02
Cs-137	ND	3.269E-02
Eu-152	ND	1.001E-01
Eu-154	ND	7.353E-02
Eu-155	ND	1.283E-01
Nb-94	ND	2.949E-02
Sb-125	ND	6.926E-02
NOL-06-02-015-F		
Ag-108m	ND	6.192E-02
Am-241	ND	2.934E-01
Co-60	ND	4.562E-02
Cs-134	ND	5.951E-02
Cs-137	ND	4.757E-02
Eu-152	ND	1.464E-01
Eu-154	ND	1.108E-01
Eu-155	ND	1.429E-01
Nb-94	ND	4.165E-02
Sb-125	ND	1.315E-01
C-14	ND	2.980E-01
Cm-243	ND	2.520E-01
Fe-55	ND	1.740E+01
H-3	ND	8.230E+00
Nb-95	ND	2.030E-02
Ni-63	ND	7.700E+00
Pu-238	ND	4.370E-01
Pu-239	ND	2.810E-01
Pu-241	ND	1.240E+01
Sr-90	ND	3.680E-02
Tc-99	ND	3.330E-01
U-235	ND	1.690E-01
U-238	ND	1.380E+00
NOL-06-02-016-F		
Ag-108m	ND	3.991E-02
Am-241	ND	1.112E+00
Co-60	ND	3.477E-02
Cs-134	ND	3.873E-02
Cs-137	5.218E-02	4.427E-02
Eu-152	ND	1.414E-01
Eu-154	ND	1.114E-01
Eu-155	ND	2.500E-01
Nb-94	ND	2.907E-02
Sb-125	ND	1.041E-01
NOL-06-02-017-F		
Ag-108m	ND	2.555E-02
Am-241	ND	1.070E+00
Co-60	ND	3.491E-02

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Radionuclide	Activity	MDC
Cs-134	ND	2.153E-02
Cs-137	ND	3.588E-02
Eu-152	ND	1.328E-01
Eu-154	ND	9.332E-02
Eu-155	ND	1.842E-01
Nb-94	ND	2.229E-02
Sb-125	ND	8.495E-02
NOL-06-02-018-F		
Ag-108m	ND	4.663E-02
Am-241	ND	1.943E-01
Co-60	ND	3.839E-02
Cs-134	ND	7.150E-02
Cs-137	ND	3.021E-02
Eu-152	ND	1.099E-01
Eu-154	ND	8.833E-02
Eu-155	ND	1.476E-01
Nb-94	ND	2.868E-02
Sb-125	9.718E-02	9.069E-02
NOL-06-02-019-F		
Ag-108m	ND	6.780E-02
Am-241	ND	5.073E-01
Co-60	ND	5.481E-02
Cs-134	ND	4.653E-02
Cs-137	ND	6.842E-02
Eu-152	ND	1.653E-01
Eu-154	ND	1.155E-01
Eu-155	ND	2.681E-01
Nb-94	ND	6.276E-02
Sb-125	1.365E-01	1.324E-01
NOL-06-02-020-F		
Ag-108m	ND	5.991E-02
Am-241	ND	2.253E-01
Co-60	ND	3.611E-02
Cs-134	ND	7.403E-02
Cs-137	6.524E-02	
Eu-152	ND	7.986E-02
Eu-154	ND	7.832E-02
Eu-155	ND	1.398E-01
Nb-94	ND	2.586E-02
Sb-125	ND	9.341E-02
NOL-06-03-001-F		
Ag-108m	ND	4.160E-02
Am-241	ND	1.124E+00
Co-60	ND	3.681E-02
Cs-134	ND	3.725E-02
Cs-137	ND	3.819E-02
Eu-152	ND	1.500E-01
Eu-154	ND	1.080E-01
Eu-155	ND	2.475E-01
Nb-94	ND	2.947E-02
Sb-125	1.379E-01	9.930E-02
NOL-06-03-002-F		
Ag-108m	ND	7.078E-02
Am-241	ND	1.257E+00
Co-60	8.431E-01	4.388E-02
Cs-134	ND	7.741E-02
Cs-137	6.008E-01	5.294E-02
Eu-152	ND	1.717E-01
Eu-154	ND	1.310E-01
Eu-155	ND	2.554E-01
Nb-94	ND	5.386E-02
Sb-125	ND	1.235E-01
NOL-06-03-003-F		
Ag-108m	ND	5.902E-02
Am-241	ND	6.950E-01
Co-60	1.446E-01	5.534E-02
Cs-134	ND	5.761E-02
Cs-137	1.275E-01	7.080E-02
Eu-152	ND	1.807E-01
Eu-154	ND	1.336E-01
Eu-155	ND	2.611E-01
Nb-94	ND	4.838E-02

Table 4 (Revised)
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Radionuclide	Activity	MDC
Sb-125	ND	1.621E-01
NOL-06-03-004-F		
Ag-108m	ND	4.274E-02
Am-241	ND	1.055E+00
Co-60	ND	3.660E-02
Cs-134	ND	2.199E-02
Cs-137	ND	4.246E-02
Eu-152	ND	1.446E-01
Eu-154	ND	9.807E-02
Eu-155	ND	2.574E-01
Nb-94	ND	3.537E-02
Sb-125	ND	1.015E-01
NOL-06-03-005-F		
Ag-108m	ND	6.241E-02
Am-241	ND	1.132E+00
Co-60	3.024E-01	3.896E-02
Cs-134	ND	4.219E-02
Cs-137	3.921E-01	4.287E-02
Eu-152	ND	1.493E-01
Eu-154	ND	8.800E-02
Eu-155	NA	2.414E-01
Nb-94	ND	3.584E-02
Sb-125	1.178E-01	9.944E-02
C-14	ND	1.510E-01
Cm-243	ND	1.360E-01
Fe-55	ND	3.160E+00
H-3	ND	7.540E+00
Nb-95	ND	7.860E-02
Ni-63	ND	3.360E+00
Pu-238	ND	1.600E-01
Pu-239	ND	1.370E-01
Pu-241	ND	9.960E+00
Sr-90	ND	3.650E-02
Tc-99	ND	3.520E-01
U-235	9.750E-02	8.940E-02
U-238	3.860E-01	2.170E-01
NOL-06-03-006-F		
Ag-108m	ND	6.719E-02
Am-241	ND	5.378E-01
Co-60	ND	5.123E-02
Cs-134	ND	5.747E-02
Cs-137	ND	5.783E-02
Eu-152	ND	1.850E-01
Eu-154	ND	1.290E-01
Eu-155	ND	2.517E-01
Nb-94	ND	4.528E-02
Sb-125	ND	1.385E-01
C-14	ND	1.570E-01
Cm-243	ND	1.190E-01
Fe-55	ND	7.620E+00
H-3	ND	7.960E+00
Nb-95	ND	1.050E-01
Ni-63	ND	3.770E+00
Pu-238	ND	2.390E-01
Pu-239	ND	1.320E-01
Pu-241	ND	7.260E+00
Sr-90	ND	3.780E-02
Tc-99	ND	3.610E-01
U-235	ND	1.970E-01
U-238	ND	1.130E+00
NOL-06-03-007-F		
Ag-108m	ND	6.287E-02
Am-241	ND	7.426E-01
Co-60	ND	5.987E-02
Cs-134	ND	1.124E-01
Cs-137	1.953E-01	8.204E-02
Eu-152	ND	1.847E-01
Eu-154	ND	1.311E-01
Eu-155	ND	2.828E-01
Nb-94	ND	4.964E-02
Sb-125	ND	1.597E-01
NOL-06-03-008-F		

Table 4 (Revised)
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Radionuclide	Activity	MDC
Ag-108m	ND	3.515E-02
Am-241	ND	1.124E+00
Co-60	7.743E-02	3.651E-02
Cs-134	ND	8.411E-02
Cs-137	2.032E-01	5.330E-02
Eu-152	ND	1.389E-01
Eu-154	ND	1.165E-01
Eu-155	ND	2.417E-01
Nb-94	ND	3.358E-02
Sb-125	ND	1.099E-01
NOL-06-03-009-F		
Ag-108m	ND	5.648E-02
Am-241	ND	1.285E+00
Co-60	1.363E+00	4.806E-02
Cs-134	ND	4.825E-02
Cs-137	3.333E-01	6.126E-02
Eu-152	ND	1.576E-01
Eu-154	ND	1.256E-01
Eu-155	ND	2.651E-01
Nb-94	ND	5.281E-02
Sb-125	ND	1.459E-01
NOL-06-03-010-F		
Ag-108m	ND	8.085E-02
Am-241	ND	7.609E-01
Co-60	ND	7.083E-02
Cs-134	ND	5.185E-02
Cs-137	1.109E-01	7.152E-02
Eu-152	ND	2.183E-01
Eu-154	ND	1.392E-01
Eu-155	ND	2.997E-01
Nb-94	ND	6.877E-02
Sb-125	ND	1.562E-01
NOL-06-03-011-F		
Ag-108m	ND	6.355E-02
Am-241	ND	1.088E+00
Co-60	2.883E-02	2.542E-02
Cs-134	2.898E-02	2.445E-02
Cs-137	6.184E-02	3.966E-02
Eu-152	ND	1.405E-01
Eu-154	ND	1.045E-01
Eu-155	ND	2.276E-01
Nb-94	ND	2.919E-02
Sb-125	9.905E-02	9.755E-02
C-14	ND	1.490E-01
Cm-243	ND	1.400E-01
Fe-55	ND	7.500E+00
H-3	ND	7.060E+00
Nb-95	ND	1.670E-01
Ni-63	ND	3.310E+00
Pu-238	ND	9.250E-02
Pu-239	ND	1.050E-01
Pu-241	ND	7.820E+00
Sr-90	ND	3.760E-02
Tc-99	ND	3.660E-01
U-235	ND	2.210E-01
U-238	ND	6.030E-01
NOL-06-03-012-F		
Ag-108m	ND	6.066E-02
Am-241	ND	7.783E-01
Co-60	6.794E-02	6.775E-02
Cs-134	ND	5.615E-02
Cs-137	1.854E-01	6.401E-02
Eu-152	ND	1.908E-01
Eu-154	ND	1.470E-01
Eu-155	ND	2.865E-01
Nb-94	ND	6.100E-02
Sb-125	ND	1.794E-01
NOL-06-03-013-F		
Ag-108m	ND	4.919E-02
Am-241	ND	7.640E-01
Co-60	ND	5.787E-02
Cs-134	ND	6.319E-02

Table 4 (Revised)
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Radionuclide	Activity	MDC
Cs-137	7.469E-02	6.622E-02
Eu-152	ND	1.974E-01
Eu-154	ND	1.486E-01
Eu-155	ND	3.221E-01
Nb-94	ND	5.375E-02
Sb-125	ND	1.567E-01
C-14	ND	1.500E-01
Cm-243	ND	2.060E-01
Fe-55	ND	4.580E+00
H-3	ND	7.980E+00
Nb-95	ND	1.150E-01
Ni-63	ND	2.570E+00
Pu-238	ND	3.210E-01
Pu-239	ND	2.870E-01
Pu-241	ND	8.710E+00
Sr-90	ND	4.900E-02
Tc-99	ND	3.540E-01
U-235	ND	1.550E-01
U-238	5.460E-01	3.620E-01
NOL-06-03-014-F		
Ag-108m	ND	4.481E-02
Am-241	ND	1.127E+00
Co-60	ND	3.521E-02
Cs-134	ND	4.271E-02
Cs-137	ND	3.834E-02
Eu-152	ND	1.477E-01
Eu-154	ND	9.892E-02
Eu-155	ND	2.161E-01
Nb-94	ND	3.450E-02
Sb-125	1.249E-01	9.290E-02
NOL-06-03-015-F		
Ag-108m	ND	3.571E-02
Am-241	ND	6.607E-01
Co-60	ND	5.872E-02
Cs-134	4.212E-02	2.384E-02
Cs-137	ND	6.140E-02
Eu-152	ND	1.614E-01
Eu-154	ND	1.197E-01
Eu-155	ND	2.455E-01
Nb-94	ND	5.084E-02
Sb-125	ND	1.234E-01
OMB-06-02-001-F-CR		
Ag-108m	ND	6.372E-02
Am-241	ND	6.209E-01
Co-60	ND	5.058E-02
Cs-134	ND	4.880E-02
Cs-137	ND	5.560E-02
Eu-152	ND	1.454E-01
Eu-154	ND	8.195E-02
Eu-155	ND	2.353E-01
Nb-94	NA	4.735E-02
Sb-125	ND	1.244E-01
OOL-02-01-001-F		
Ag-108m	ND	7.743E-02
Am-241	ND	7.380E-01
Co-60	4.278E-01	6.208E-02
Cs-134	ND	1.175E-01
Cs-137	3.998E-01	6.991E-02
Eu-152	ND	1.703E-01
Eu-154	ND	1.211E-01
Eu-155	ND	2.531E-01
Nb-94	ND	7.529E-02
Sb-125	ND	1.438E-01
OOL-02-01-002-F		
Ag-108m	ND	5.058E-02
Am-241	ND	9.577E-01
Co-60	4.018E-02	3.116E-02
Cs-134	ND	9.789E-02
Cs-137	7.081E-02	4.697E-02
Eu-152	ND	1.539E-01
Eu-154	ND	1.074E-01
Eu-155	ND	2.192E-01

Table 4 (Revised)
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Radionuclide	Activity	MDC
Nb-94	ND	3.661E-02
Sb-125	ND	1.087E-01
OOL-02-01-003-F		
Ag-108m	ND	6.161E-02
Am-241	ND	6.763E-01
Co-60	ND	6.312E-02
Cs-134	ND	3.903E-02
Cs-137	1.158E-01	6.156E-02
Eu-152	ND	1.668E-01
Eu-154	ND	1.202E-01
Eu-155	ND	2.689E-01
Nb-94	ND	5.383E-02
Sb-125	ND	1.229E-01
OOL-02-01-004-F		
Ag-108m	ND	4.634E-02
Am-241	ND	1.099E+00
Co-60	ND	3.197E-02
Cs-134	ND	4.538E-02
Cs-137	ND	4.195E-02
Eu-152	ND	1.330E-01
Eu-154	ND	9.289E-02
Eu-155	ND	1.904E-01
Nb-94	ND	2.932E-02
Sb-125	ND	1.027E-01
OOL-02-01-005-F		
Ag-108m	ND	5.291E-02
Am-241	ND	1.035E+00
Co-60	ND	3.011E-02
Cs-134	ND	4.206E-02
Cs-137	ND	3.819E-02
Eu-152	ND	1.477E-01
Eu-154	ND	1.013E-01
Eu-155	ND	2.414E-01
Nb-94	ND	3.336E-02
Sb-125	1.079E-01	1.014E-01
OOL-02-01-006-F		
Ag-108m	ND	3.018E-02
Am-241	ND	1.046E+00
Co-60	ND	3.652E-02
Cs-134	ND	9.358E-02
Cs-137	ND	3.996E-02
Eu-152	ND	1.434E-01
Eu-154	ND	1.091E-01
Eu-155	ND	2.248E-01
Nb-94	ND	2.910E-02
Sb-125	ND	1.040E-01
OOL-02-01-007-F		
Ag-108m	ND	5.913E-02
Am-241	ND	1.142E+00
Co-60	2.906E-01	4.007E-02
Cs-134	ND	1.013E-01
Cs-137	6.496E-01	4.360E-02
Eu-152	ND	1.537E-01
Eu-154	ND	1.072E-01
Eu-155	ND	2.387E-01
Nb-94	ND	3.325E-02
Sb-125	ND	1.306E-01
OOL-02-01-008-F		
Ag-108m	NA	1.013E-01
Am-241	ND	6.729E-01
Co-60	ND	5.577E-02
Cs-134	ND	4.715E-02
Cs-137	6.421E-02	6.108E-02
Eu-152	ND	1.654E-01
Eu-154	ND	1.175E-01
Eu-155	ND	2.666E-01
Nb-94	ND	4.606E-02
Sb-125	ND	1.520E-01
OOL-02-01-009-F		
Ag-108m	ND	5.008E-02
Am-241	ND	1.114E+00
Co-60	ND	3.690E-02

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Radionuclide	Activity	MDC
Cs-134	ND	3.872E-02
Cs-137	7.676E-02	4.794E-02
Eu-152	ND	1.341E-01
Eu-154	ND	1.065E-01
Eu-155	ND	2.270E-01
Nb-94	ND	3.187E-02
Sb-125	1.003E-01	1.001E-01
OOL-02-01-010-F		
Ag-108m	ND	5.653E-02
Am-241	ND	1.045E+00
Co-60	4.934E-02	2.728E-02
Cs-134	ND	4.696E-02
Cs-137	1.100E-01	4.434E-02
Eu-152	ND	1.381E-01
Eu-154	ND	9.998E-02
Eu-155	ND	2.255E-01
Nb-94	ND	3.402E-02
Sb-125	ND	1.031E-01
OOL-02-01-011-F		
Ag-108m	NA	1.035E-01
Am-241	ND	7.402E-01
Co-60	ND	6.831E-02
Cs-134	ND	5.969E-02
Cs-137	8.813E-01	7.431E-02
Eu-152	ND	1.813E-01
Eu-154	ND	1.289E-01
Eu-155	ND	2.840E-01
Nb-94	ND	5.333E-02
Sb-125	ND	1.644E-01
OOL-02-01-012-F		
Ag-108m	ND	4.551E-02
Am-241	ND	9.641E-01
Co-60	ND	4.337E-02
Cs-134	ND	1.034E-01
Cs-137	ND	4.072E-02
Eu-152	ND	1.525E-01
Eu-154	ND	1.117E-01
Eu-155	ND	2.213E-01
Nb-94	ND	2.883E-02
Sb-125	ND	1.089E-01
OOL-02-01-013-F		
Ag-108m	ND	4.631E-02
Am-241	ND	1.077E+00
Co-60	8.728E-02	4.459E-02
Cs-134	ND	9.888E-02
Cs-137	1.034E-01	4.368E-02
Eu-152	ND	1.390E-01
Eu-154	ND	1.056E-01
Eu-155	ND	2.246E-01
Nb-94	ND	3.000E-02
Sb-125	ND	1.001E-01
OOL-02-01-014-F		
Ag-108m	ND	5.343E-02
Am-241	ND	6.334E-01
Co-60	ND	5.682E-02
Cs-134	ND	1.176E-01
Cs-137	ND	5.301E-02
Eu-152	ND	1.475E-01
Eu-154	ND	1.136E-01
Eu-155	ND	2.742E-01
Nb-94	ND	4.150E-02
Sb-125	ND	1.409E-01
OOL-02-01-015-F		
Ag-108m	ND	4.137E-02
Am-241	ND	1.012E+00
Co-60	ND	3.457E-02
Cs-134	ND	8.656E-02
Cs-137	ND	3.475E-02
Eu-152	ND	1.331E-01
Eu-154	ND	9.892E-02
Eu-155	ND	2.173E-01
Nb-94	ND	3.207E-02

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Radionuclide	Activity	MDC
Sb-125	9.726E-02	8.804E-02
OOL-02-01-016-F		
Ag-108m	ND	5.898E-02
Am-241	ND	6.788E-01
Co-60	ND	5.447E-02
Cs-134	ND	5.335E-02
Cs-137	ND	5.168E-02
Eu-152	ND	1.366E-01
Eu-154	ND	9.918E-02
Eu-155	ND	2.644E-01
Nb-94	ND	4.431E-02
Sb-125	1.067E-01	1.039E-01
OOL-02-01-017-F		
Ag-108m	ND	6.038E-02
Am-241	ND	7.115E-01
Co-60	ND	6.811E-02
Cs-134	ND	5.738E-02
Cs-137	ND	5.367E-02
Eu-152	ND	1.648E-01
Eu-154	ND	1.212E-01
Eu-155	ND	2.548E-01
Nb-94	NA	6.760E-02
Sb-125	ND	1.228E-01
OOL-02-01-018-F		
Ag-108m	ND	6.329E-02
Am-241	ND	5.935E-01
Co-60	ND	5.165E-02
Cs-134	ND	4.912E-02
Cs-137	ND	4.920E-02
Eu-152	ND	1.644E-01
Eu-154	ND	1.101E-01
Eu-155	ND	2.298E-01
Nb-94	ND	4.605E-02
Sb-125	ND	1.273E-01
OOL-02-01-019-F		
Ag-108m	ND	6.266E-02
Am-241	ND	6.332E-01
Co-60	ND	5.909E-02
Cs-134	ND	1.139E-01
Cs-137	ND	5.908E-02
Eu-152	ND	1.609E-01
Eu-154	ND	1.150E-01
Eu-155	ND	2.685E-01
Nb-94	ND	5.342E-02
Sb-125	ND	1.584E-01
OOL-02-01-020-F		
Ag-108m	ND	3.023E-02
Am-241	ND	6.544E-01
Co-60	ND	4.917E-02
Cs-134	ND	1.193E-01
Cs-137	ND	5.653E-02
Eu-152	ND	1.460E-01
Eu-154	ND	1.012E-01
Eu-155	ND	2.423E-01
Nb-94	ND	3.984E-02
Sb-125	ND	1.264E-01
OOL-02-02-001-F		
Ag-108m	ND	4.727E-02
Am-241	ND	1.159E+00
Co-60	ND	3.662E-02
Cs-134	ND	4.118E-02
Cs-137	ND	4.659E-02
Eu-152	ND	1.461E-01
Eu-154	ND	9.995E-02
Eu-155	ND	2.413E-01
Nb-94	ND	2.980E-02
Sb-125	ND	1.133E-01
OOL-02-02-002-F		
Ag-108m	ND	3.971E-02
Am-241	ND	8.181E-01
Co-60	ND	8.061E-02
Cs-134	ND	6.534E-02

Table 4 (Revised)
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Radionuclide	Activity	MDC
Cs-137	ND	5.593E-02
Eu-152	ND	1.992E-01
Eu-154	ND	1.330E-01
Eu-155	ND	3.115E-01
Nb-94	ND	6.104E-02
Sb-125	1.843E-01	1.579E-01
C-14	ND	1.840E-01
Cm-243	ND	3.340E-01
Fe-55	ND	2.500E+00
H-3	ND	1.200E+01
Nb-95	ND	2.680E-02
Ni-63	ND	2.630E+00
Pu-238	ND	1.070E-01
Pu-239	ND	1.070E-01
Pu-241	ND	1.720E+01
Sr-90	ND	4.270E-02
Tc-99	ND	3.180E-01
U-235	ND	2.480E-01
U-238	ND	2.120E+00
OOL-02-02-003-F		
Ag-108m	ND	5.218E-02
Am-241	ND	7.220E-01
Co-60	ND	6.277E-02
Cs-134	ND	4.594E-02
Cs-137	ND	5.741E-02
Eu-152	ND	1.868E-01
Eu-154	ND	1.220E-01
Eu-155	ND	2.582E-01
Nb-94	ND	5.148E-02
Sb-125	ND	1.176E-01
OOL-02-02-004-F		
Ag-108m	ND	3.190E-02
Am-241	ND	1.244E+00
Co-60	ND	3.523E-02
Cs-134	ND	3.679E-02
Cs-137	ND	4.249E-02
Eu-152	ND	1.374E-01
Eu-154	ND	8.655E-02
Eu-155	ND	2.426E-01
Nb-94	ND	3.662E-02
Sb-125	1.079E-01	1.032E-01
OOL-02-02-005-F		
Ag-108m	ND	6.299E-02
Am-241	ND	6.924E-01
Co-60	ND	6.280E-02
Cs-134	ND	4.156E-02
Cs-137	ND	6.199E-02
Eu-152	ND	1.752E-01
Eu-154	ND	1.339E-01
Eu-155	ND	2.358E-01
Nb-94	ND	4.728E-02
Sb-125	1.072E-01	1.039E-01
OOL-02-02-006-F		
Ag-108m	ND	4.870E-02
Am-241	ND	1.031E+00
Co-60	ND	3.869E-02
Cs-134	ND	3.665E-02
Cs-137	ND	4.069E-02
Eu-152	ND	1.445E-01
Eu-154	ND	1.085E-01
Eu-155	ND	2.504E-01
Nb-94	ND	3.555E-02
Sb-125	ND	1.032E-01
OOL-02-02-007-F		
Ag-108m	ND	6.454E-02
Am-241	ND	1.068E+00
Co-60	ND	3.495E-02
Cs-134	NA	6.978E-02
Cs-137	ND	3.637E-02
Eu-152	ND	1.501E-01
Eu-154	ND	1.034E-01
Eu-155	ND	2.408E-01

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Radionuclide	Activity	MDC
Nb-94	ND	3.022E-02
Sb-125	1.076E-01	1.019E-01
OOL-02-02-008-F		
Ag-108m	ND	6.599E-02
Am-241	ND	1.184E+00
Co-60	ND	3.532E-02
Cs-134	ND	4.292E-02
Cs-137	1.405E-01	3.996E-02
Eu-152	ND	1.472E-01
Eu-154	ND	1.083E-01
Eu-155	ND	2.522E-01
Nb-94	NA	3.069E-02
Sb-125	ND	1.124E-01
OOL-02-02-009-F		
Ag-108m	ND	5.328E-02
Am-241	ND	7.147E-01
Co-60	ND	6.926E-02
Cs-134	ND	4.107E-02
Cs-137	ND	5.385E-02
Eu-152	ND	1.856E-01
Eu-154	ND	1.356E-01
Eu-155	ND	2.830E-01
Nb-94	ND	3.987E-02
Sb-125	1.443E-01	1.292E-01
OOL-02-02-010-F		
Ag-108m	ND	3.133E-02
Am-241	ND	1.020E+00
Co-60	ND	3.652E-02
Cs-134	ND	3.755E-02
Cs-137	ND	4.123E-02
Eu-152	ND	1.530E-01
Eu-154	ND	1.038E-01
Eu-155	ND	2.396E-01
Nb-94	ND	3.162E-02
Sb-125	ND	1.093E-01
C-14	ND	1.860E-01
Cm-243	ND	1.580E-01
Fe-55	ND	2.090E+00
H-3	ND	8.780E+00
Nb-95	ND	3.080E-02
Ni-63	ND	2.530E+00
Pu-238	ND	1.500E-01
Pu-239	ND	1.020E-01
Pu-241	ND	1.020E+01
Sr-90	ND	4.270E-02
Tc-99	ND	3.200E-01
U-235	ND	2.630E-01
U-238	ND	2.850E+00
OOL-02-02-011-F		
Ag-108m	ND	4.131E-02
Am-241	ND	6.562E-01
Co-60	ND	6.681E-02
Cs-134	ND	4.372E-02
Cs-137	ND	4.693E-02
Eu-152	ND	1.789E-01
Eu-154	ND	1.282E-01
Eu-155	ND	2.016E-01
Nb-94	NA	3.154E-02
Sb-125	ND	1.348E-01
OOL-02-02-012-F		
Ag-108m	ND	3.978E-02
Am-241	ND	1.136E+00
Co-60	ND	3.369E-02
Cs-134	ND	3.825E-02
Cs-137	ND	3.683E-02
Eu-152	ND	1.431E-01
Eu-154	ND	1.038E-01
Eu-155	ND	2.379E-01
Nb-94	ND	2.642E-02
Ag-108m	ND	6.356E-02
Am-241	ND	6.261E-01
Co-60	ND	5.993E-02

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Radionuclide	Activity	MDC
Cs-134	ND	4.901E-02
Cs-137	ND	5.221E-02
Eu-152	ND	1.835E-01
Eu-154	ND	1.321E-01
Eu-155	ND	2.699E-01
Nb-94	ND	4.659E-02
Sb-125	ND	1.438E-01
OOL-02-02-014-F		
Ag-108m	ND	6.110E-02
Am-241	ND	7.117E-01
Co-60	ND	7.480E-02
Cs-134	ND	5.639E-02
Cs-137	ND	5.015E-02
Eu-152	ND	1.813E-01
Eu-154	ND	1.372E-01
Eu-155	ND	2.919E-01
Nb-94	ND	4.777E-02
Sb-125	ND	1.644E-01
OOL-02-02-015-F		
Ag-108m	ND	4.557E-02
Am-241	ND	9.569E-01
Co-60	ND	3.788E-02
Cs-134	ND	5.854E-02
Cs-137	ND	3.335E-02
Eu-152	ND	1.510E-01
Eu-154	ND	1.084E-01
Eu-155	ND	2.370E-01
Nb-94	ND	2.294E-02
Sb-125	ND	1.093E-01
OOL-02-02-016-F		
Ag-108m	ND	5.942E-02
Am-241	ND	7.293E-01
Co-60	ND	6.336E-02
Cs-134	ND	5.247E-02
Cs-137	ND	4.714E-02
Eu-152	ND	1.864E-01
Eu-154	ND	1.427E-01
Eu-155	ND	2.581E-01
Nb-94	ND	5.148E-02
Sb-125	ND	1.558E-01
OOL-02-02-017-F		
Ag-108m	ND	6.062E-02
Am-241	ND	5.321E-01
Co-60	ND	6.526E-02
Cs-134	ND	7.149E-02
Cs-137	NA	6.190E-02
Eu-152	ND	1.801E-01
Eu-154	ND	1.334E-01
Eu-155	ND	2.631E-01
Nb-94	NA	5.186E-02
Sb-125	ND	1.359E-01
OOL-02-02-018-F		
Ag-108m	ND	5.874E-02
Am-241	ND	6.203E-01
Co-60	ND	5.591E-02
Cs-134	ND	4.845E-02
Cs-137	ND	5.771E-02
Eu-152	ND	1.817E-01
Eu-154	ND	1.217E-01
Eu-155	ND	2.441E-01
Nb-94	ND	4.744E-02
Sb-125	ND	1.484E-01
OOL-02-02-019-F		
Ag-108m	ND	4.021E-02
Am-241	ND	1.148E+00
Co-60	ND	3.289E-02
Cs-134	2.810E-02	1.674E-02
Cs-137	ND	3.812E-02
Eu-152	ND	1.553E-01
Eu-154	ND	9.611E-02
Eu-155	ND	2.480E-01
Nb-94	ND	3.197E-02

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Radionuclide	Activity	MDC
Sb-125	ND	1.066E-01
OOL-02-02-020-F		
Ag-108m	ND	5.934E-02
Am-241	ND	6.986E-01
Co-60	ND	6.188E-02
Cs-134	ND	5.144E-02
Cs-137	ND	5.825E-02
Eu-152	ND	1.946E-01
Eu-154	ND	1.338E-01
Eu-155	ND	2.676E-01
Nb-94	ND	5.984E-02
Sb-125	ND	1.580E-01
OOL-02-04-001-F		
Ag-108m	ND	4.116E-02
Am-241	ND	1.112E+00
Co-60	ND	4.088E-02
Cs-134	ND	3.385E-02
Cs-137	4.281E-02	
Eu-152	ND	1.496E-01
Eu-154	ND	1.060E-01
Eu-155	ND	2.396E-01
Nb-94	ND	3.275E-02
Sb-125	1.039E-01	9.451E-02
OOL-02-04-002-F		
Ag-108m	ND	4.045E-02
Am-241	ND	1.115E+00
Co-60	ND	4.290E-02
Cs-134	ND	4.807E-02
Cs-137	ND	4.493E-02
Eu-152	ND	1.522E-01
Eu-154	ND	1.093E-01
Eu-155	ND	2.481E-01
Nb-94	ND	3.592E-02
Sb-125	8.366E-02	8.054E-02
OOL-02-04-003-F		
Ag-108m	ND	4.150E-02
Am-241	ND	2.143E-01
Co-60	ND	3.800E-02
Cs-134	ND	5.928E-02
Cs-137	ND	3.412E-02
Eu-152	ND	1.064E-01
Eu-154	ND	7.846E-02
Eu-155	ND	1.337E-01
Nb-94	ND	2.887E-02
Sb-125	8.125E-02	7.961E-02
OOL-02-04-004-F		
Ag-108m	ND	6.317E-02
Am-241	ND	6.597E-01
Co-60	ND	6.404E-02
Cs-134	ND	4.432E-02
Cs-137	ND	5.709E-02
Eu-152	ND	1.703E-01
Eu-154	ND	1.176E-01
Eu-155	ND	2.753E-01
Nb-94	ND	6.709E-02
Sb-125	ND	1.557E-01
OOL-02-04-005-F		
Ag-108m	ND	4.225E-02
Am-241	ND	2.216E-01
Co-60	ND	2.673E-02
Cs-134	ND	3.634E-02
Cs-137	4.595E-02	
Eu-152	ND	1.103E-01
Eu-154	ND	7.742E-02
Eu-155	ND	1.393E-01
Nb-94	ND	3.059E-02
Sb-125	9.115E-02	7.788E-02
OOL-02-04-006-F		
Ag-108m	ND	5.868E-02
Am-241	ND	3.006E-01
Co-60	ND	5.725E-02
Cs-134	ND	6.237E-02

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Radionuclide	Activity	MDC
Cs-137	ND	5.348E-02
Eu-152	ND	1.445E-01
Eu-154	ND	1.008E-01
Eu-155	ND	1.802E-01
Nb-94	ND	6.092E-02
Sb-125	ND	1.459E-01
OOL-02-04-007-F		
Ag-108m	ND	3.698E-02
Am-241	ND	1.958E-01
Co-60	ND	2.595E-02
Cs-134	ND	5.925E-02
Cs-137	ND	3.078E-02
Eu-152	ND	1.004E-01
Eu-154	ND	7.024E-02
Eu-155	ND	1.213E-01
Nb-94	ND	2.738E-02
Sb-125	8.504E-02	7.536E-02
OOL-02-04-008-F		
Ag-108m	ND	6.707E-02
Am-241	ND	9.915E-01
Co-60	ND	3.463E-02
Cs-134	ND	4.005E-02
Cs-137	ND	3.593E-02
Eu-152	ND	1.311E-01
Eu-154	ND	1.056E-01
Eu-155	ND	2.372E-01
Nb-94	ND	3.475E-02
Sb-125	ND	1.136E-01
OOL-02-04-009-F		
Ag-108m	ND	5.400E-02
Am-241	ND	2.329E-01
Co-60	ND	6.376E-02
Cs-134	ND	1.038E-01
Cs-137	ND	5.083E-02
Eu-152	ND	1.130E-01
Eu-154	ND	1.081E-01
Eu-155	ND	1.826E-01
Nb-94	ND	4.263E-02
Sb-125	ND	1.304E-01
OOL-02-04-010-F		
Ag-108m	ND	6.631E-02
Am-241	ND	3.028E-01
Co-60	ND	4.660E-02
Cs-134	ND	3.501E-02
Cs-137	ND	5.168E-02
Eu-152	ND	1.438E-01
Eu-154	ND	1.007E-01
Eu-155	ND	1.684E-01
Nb-94	ND	4.441E-02
Sb-125	ND	1.181E-01
OOL-02-04-011-F		
Ag-108m	ND	5.170E-02
Am-241	ND	1.231E+00
Co-60	ND	4.601E-02
Cs-134	ND	4.574E-02
Cs-137	ND	4.586E-02
Eu-152	ND	1.600E-01
Eu-154	ND	1.164E-01
Eu-155	ND	2.172E-01
Nb-94	ND	3.691E-02
Sb-125	ND	9.142E-02
OOL-02-04-012-F		
Ag-108m	ND	6.074E-02
Am-241	ND	5.507E-01
Co-60	ND	7.617E-02
Cs-134	ND	6.052E-02
Cs-137	ND	5.793E-02
Eu-152	ND	1.793E-01
Eu-154	ND	1.251E-01
Eu-155	ND	2.331E-01
Nb-94	ND	4.196E-02
Sb-125	ND	1.443E-01

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Radionuclide	Activity	MDC
OOL-02-04-013-F		
Ag-108m	ND	6.459E-02
Am-241	ND	6.941E-01
Co-60	ND	6.469E-02
Cs-134	ND	4.102E-02
Cs-137	ND	5.901E-02
Eu-152	ND	1.734E-01
Eu-154	ND	1.168E-01
Eu-155	ND	2.822E-01
Nb-94	ND	4.308E-02
Sb-125	ND	1.577E-01
OOL-02-04-014-F		
Ag-108m	ND	5.603E-02
Am-241	ND	7.447E-01
Co-60	ND	6.401E-02
Cs-134	ND	4.498E-02
Cs-137	ND	5.748E-02
Eu-152	ND	1.710E-01
Eu-154	ND	1.166E-01
Eu-155	ND	2.757E-01
Nb-94	ND	4.580E-02
Sb-125	1.549E-01	1.289E-01
OOL-02-04-015-F		
Ag-108m	ND	1.082E-01
Am-241	ND	3.313E-01
Co-60	ND	6.239E-02
Cs-134	ND	1.039E-01
Cs-137	ND	6.130E-02
Eu-152	ND	1.525E-01
Eu-154	ND	1.149E-01
Eu-155	ND	1.760E-01
Nb-94	ND	5.702E-02
Sb-125	ND	1.626E-01
OOL-02-04-016-F		
Ag-108m	ND	3.649E-02
Am-241	ND	1.092E+00
Co-60	ND	3.754E-02
Cs-134	ND	3.228E-02
Cs-137	ND	4.268E-02
Eu-152	ND	1.441E-01
Eu-154	ND	1.064E-01
Eu-155	ND	2.343E-01
Nb-94	ND	3.303E-02
Sb-125	ND	1.023E-01
OOL-02-04-017-F		
Ag-108m	ND	6.697E-02
Am-241	ND	2.956E-01
Co-60	ND	5.486E-02
Cs-134	ND	4.376E-02
Cs-137	ND	4.973E-02
Eu-152	ND	1.512E-01
Eu-154	ND	1.066E-01
Eu-155	ND	1.690E-01
Nb-94	ND	5.019E-02
Sb-125	ND	1.500E-01
OOL-02-04-018-F		
Ag-108m	ND	2.383E-02
Am-241	ND	2.095E-01
Co-60	ND	2.810E-02
Cs-134	ND	6.461E-02
Cs-137	ND	3.870E-02
Eu-152	ND	8.642E-02
Eu-154	ND	7.281E-02
Eu-155	ND	1.344E-01
Nb-94	ND	2.877E-02
Sb-125	ND	8.134E-02
OOL-02-04-019-F		
Ag-108m	ND	6.731E-02
Am-241	ND	6.946E-01
Co-60	ND	5.327E-02
Cs-134	ND	4.246E-02
Cs-137	ND	4.058E-02

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Radionuclide	Activity	MDC
Eu-152	ND	1.465E-01
Eu-154	ND	9.700E-02
Eu-155	ND	2.432E-01
Nb-94	ND	5.695E-02
Sb-125	ND	1.477E-01
OOL-02-04-020-F		
Ag-108m	ND	4.513E-02
Am-241	ND	1.190E+00
Co-60	ND	3.900E-02
Cs-134	3.559E-02	2.224E-02
Cs-137	3.060E-02	
Eu-152	ND	1.447E-01
Eu-154	ND	1.090E-01
Eu-155	ND	2.325E-01
Nb-94	ND	3.136E-02
Sb-125	1.192E-01	1.057E-01
OOL-10-03-001-F		
Ag-108m	ND	6.435E-02
Am-241	ND	1.146E+00
Co-60	ND	3.680E-02
Cs-134	ND	3.315E-02
Cs-137	ND	4.655E-02
Eu-152	ND	1.112E-01
Eu-154	ND	9.750E-02
Eu-155	ND	2.394E-01
Nb-94	ND	3.675E-02
Sb-125	1.045E-01	9.460E-02
OOL-10-03-002-F		
Ag-108m	ND	3.559E-02
Am-241	ND	2.099E-01
Co-60	ND	2.847E-02
Cs-134	ND	2.648E-02
Cs-137	ND	3.385E-02
Eu-152	ND	1.070E-01
Eu-154	ND	7.564E-02
Eu-155	1.733E-01	1.269E-01
Nb-94	ND	2.660E-02
Sb-125	ND	6.754E-02
C-14	ND	2.760E-01
Cm-243	ND	1.380E-01
Fe-55	ND	1.940E+01
H-3	ND	8.830E+00
Nb-95	ND	2.020E-02
Ni-63	ND	1.010E+01
Pu-238	ND	2.740E-01
Pu-239	ND	2.740E-01
Pu-241	ND	1.210E+01
Sr-90	ND	4.210E-02
Tc-99	ND	3.300E-01
U-235	ND	1.700E-01
U-238	ND	1.400E+00
OOL-10-03-003-F		
Ag-108m	ND	4.424E-02
Am-241	ND	1.154E+00
Co-60	ND	3.324E-02
Cs-134	ND	3.721E-02
Cs-137	ND	3.805E-02
Eu-152	ND	1.479E-01
Eu-154	ND	8.589E-02
Eu-155	ND	2.286E-01
Nb-94	ND	3.321E-02
Sb-125	1.169E-01	9.799E-02
OOL-10-03-004-F		
Ag-108m	ND	5.193E-02
Am-241	ND	6.861E-01
Co-60	ND	6.089E-02
Cs-134	ND	4.959E-02
Cs-137	ND	4.889E-02
Eu-152	ND	1.646E-01
Eu-154	ND	1.175E-01
Eu-155	ND	2.215E-01
Nb-94	ND	4.824E-02

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Radionuclide	Activity	MDC
Sb-125	ND	1.535E-01
OOL-10-03-005-F		
Ag-108m	ND	3.520E-02
Am-241	ND	8.452E-01
Co-60	ND	3.050E-02
Cs-134	ND	3.276E-02
Cs-137	ND	2.914E-02
Eu-152	ND	1.190E-01
Eu-154	ND	9.055E-02
Eu-155	ND	1.965E-01
Nb-94	ND	2.992E-02
Sb-125	ND	9.607E-02
OOL-10-03-006-F		
Ag-108m	ND	4.291E-02
Am-241	ND	1.033E+00
Co-60	ND	3.541E-02
Cs-134	ND	3.841E-02
Cs-137	ND	3.294E-02
Eu-152	ND	1.439E-01
Eu-154	ND	1.069E-01
Eu-155	ND	2.308E-01
Nb-94	ND	2.760E-02
Sb-125	9.591E-02	8.840E-02
OOL-10-03-007-F		
Ag-108m	ND	6.202E-02
Am-241	ND	2.823E-01
Co-60	ND	4.852E-02
Cs-134	ND	8.166E-02
Cs-137	ND	6.416E-02
Eu-152	ND	1.425E-01
Eu-154	ND	9.970E-02
Eu-155	ND	1.724E-01
Nb-94	ND	4.407E-02
Sb-125	ND	1.177E-01
OOL-10-03-008-F		
Ag-108m	ND	3.958E-02
Am-241	ND	2.218E-01
Co-60	ND	2.946E-02
Cs-134	ND	6.523E-02
Cs-137	ND	3.490E-02
Eu-152	ND	1.039E-01
Eu-154	ND	7.676E-02
Eu-155	ND	1.276E-01
Nb-94	ND	2.602E-02
Sb-125	9.862E-02	7.702E-02
OOL-10-03-009-F		
Ag-108m	ND	5.002E-02
Am-241	ND	6.125E-01
Co-60	ND	6.444E-02
Cs-134	ND	4.002E-02
Cs-137	ND	5.008E-02
Eu-152	ND	1.623E-01
Eu-154	ND	1.153E-01
Eu-155	ND	2.554E-01
Nb-94	ND	5.004E-02
Sb-125	ND	1.367E-01
OOL-10-03-010-F		
Ag-108m	ND	4.283E-02
Am-241	ND	2.068E-01
Co-60	ND	3.166E-02
Cs-134	ND	3.650E-02
Cs-137	ND	3.403E-02
Eu-152	ND	1.063E-01
Eu-154	ND	7.898E-02
Eu-155	ND	1.283E-01
Nb-94	ND	2.329E-02
Sb-125	8.863E-02	7.909E-02
C-14	ND	2.750E-01
Cm-243	ND	1.110E-01
Fe-55	ND	1.630E+01
H-3	ND	8.380E+00
Nb-95	ND	2.110E-02

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
Ni-63	ND	1.030E+01
Pu-238	ND	2.250E-01
Pu-239	ND	1.740E-01
Pu-241	ND	1.440E+01
Sr-90	ND	4.010E-02
Tc-99	ND	3.220E-01
U-235	ND	1.670E-01
U-238	ND	1.170E+00
OOL-10-03-011-F		
Ag-108m	ND	5.319E-02
Am-241	ND	6.681E-01
Co-60	ND	6.661E-02
Cs-134	ND	4.783E-02
Cs-137	ND	4.505E-02
Eu-152	ND	1.674E-01
Eu-154	ND	1.169E-01
Eu-155	ND	2.793E-01
Nb-94	ND	4.654E-02
Sb-125	ND	1.383E-01
Am-241	ND	6.152E-01
Co-60	ND	7.143E-02
Cs-134	ND	5.269E-02
Cs-137	ND	6.766E-02
Eu-152	ND	1.933E-01
Eu-154	ND	1.245E-01
Eu-155	ND	2.797E-01
Nb-94	ND	6.309E-02
Sb-125	1.678E-01	1.532E-01
OOL-10-03-013-F		
Ag-108m	ND	3.242E-02
Am-241	ND	8.507E-01
Co-60	ND	2.827E-02
Cs-134	ND	2.994E-02
Cs-137	ND	2.957E-02
Eu-152	ND	1.173E-01
Eu-154	ND	8.649E-02
Eu-155	ND	1.839E-01
Nb-94	ND	2.263E-02
Sb-125	ND	7.314E-02
Ag-108m	ND	9.834E-02
Am-241	ND	2.710E-01
Co-60	ND	4.405E-02
Cs-134	ND	4.709E-02
Cs-137	ND	4.486E-02
Eu-152	ND	1.467E-01
Eu-154	ND	8.916E-02
Eu-155	ND	1.650E-01
Nb-94	ND	4.303E-02
Sb-125	ND	1.318E-01
OOL-10-03-015-F		
Ag-108m	ND	2.881E-02
Am-241	ND	1.626E-01
Co-60	ND	2.856E-02
Cs-134	ND	3.362E-02
Cs-137	2.249E-02	
Eu-152	ND	1.080E-01
Eu-154	ND	7.546E-02
Eu-155	1.303E-01	1.298E-01
Nb-94	ND	2.178E-02
Sb-125	1.021E-01	7.327E-02
OOL-10-03-016-F		
Ag-108m	ND	5.749E-02
Am-241	ND	3.309E-01
Co-60	ND	6.287E-02
Cs-134	ND	4.369E-02
Cs-137	ND	5.010E-02
Eu-152	ND	1.209E-01
Eu-154	ND	1.176E-01
Eu-155	ND	1.816E-01
Nb-94	ND	4.702E-02
Sb-125	ND	1.291E-01
OOL-10-03-017-F		

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
Ag-108m	ND	2.201E-02
Am-241	ND	1.885E-01
Co-60	ND	2.988E-02
Cs-134	ND	3.242E-02
Cs-137	ND	2.816E-02
Eu-152	ND	7.809E-02
Eu-154	ND	6.643E-02
Eu-155	ND	1.187E-01
Nb-94	ND	2.327E-02
Sb-125	1.002E-01	6.840E-02
OOL-10-03-018-F		
Ag-108m	ND	2.962E-02
Am-241	ND	9.310E-01
Co-60	ND	3.549E-02
Cs-134	ND	3.678E-02
Cs-137	ND	3.723E-02
Eu-152	ND	1.336E-01
Eu-154	ND	9.737E-02
Eu-155	ND	1.733E-01
Nb-94	ND	3.585E-02
Sb-125	ND	8.180E-02
OOL-10-03-019-F		
Ag-108m	ND	6.040E-02
Am-241	ND	7.110E-01
Co-60	ND	7.057E-02
Cs-134	ND	5.268E-02
Cs-137	ND	6.590E-02
Eu-152	ND	1.668E-01
Eu-154	ND	1.087E-01
Eu-155	ND	2.914E-01
Nb-94	ND	5.458E-02
Sb-125	ND	1.514E-01
OOL-10-03-020-F		
Ag-108m	ND	5.119E-02
Am-241	ND	2.741E-01
Co-60	ND	5.309E-02
Cs-134	ND	4.769E-02
Cs-137	ND	5.195E-02
Eu-152	ND	1.478E-01
Eu-154	ND	1.007E-01
Eu-155	ND	1.674E-01
Nb-94	ND	4.078E-02
Sb-125	ND	1.310E-01
OOL-12-01-001-F		
Ag-108m	ND	4.848E-02
Am-241	ND	6.391E-01
Co-60	ND	5.983E-02
Cs-134	ND	4.147E-02
Cs-137	7.054E-02	
Eu-152	ND	1.676E-01
Eu-154	ND	1.155E-01
Eu-155	ND	2.544E-01
Nb-94	ND	5.379E-02
Sb-125	ND	1.338E-01
OOL-12-01-002-F		
Ag-108m	ND	6.556E-02
Am-241	ND	3.293E-01
Co-60	2.886E-01	
Cs-134	ND	6.136E-02
Cs-137	7.797E-01	
Eu-152	ND	1.574E-01
Eu-154	ND	1.136E-01
Eu-155	ND	1.703E-01
Nb-94	ND	4.680E-02
Sb-125	ND	1.609E-01
OOL-12-01-003-F		
Ag-108m	ND	3.816E-02
Am-241	ND	2.147E-01
Co-60	ND	3.581E-02
Cs-134	ND	3.460E-02
Cs-137	ND	3.440E-02
Eu-152	ND	1.079E-01

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
Eu-154	ND	7.417E-02
Eu-155	ND	1.296E-01
Nb-94	ND	3.026E-02
Sb-125	ND	8.002E-02
OOL-12-01-004-F		
Ag-108m	ND	6.914E-02
Am-241	ND	6.967E-01
Co-60	ND	7.222E-02
Cs-134	ND	6.131E-02
Cs-137	1.963E-01	
Eu-152	ND	2.009E-01
Eu-154	ND	1.361E-01
Eu-155	ND	2.896E-01
Nb-94	ND	5.278E-02
Sb-125	ND	1.721E-01
OOL-12-01-005-F		
Ag-108m	ND	4.082E-02
Am-241	ND	1.086E+00
Co-60	ND	3.341E-02
Cs-134	ND	5.901E-02
Cs-137	1.171E-01	
Eu-152	ND	1.449E-01
Eu-154	ND	1.034E-01
Eu-155	ND	2.161E-01
Nb-94	ND	3.361E-02
Sb-125	ND	1.023E-01
OOL-12-01-006-F		
Ag-108m	ND	4.505E-02
Am-241	ND	1.052E+00
Co-60	ND	3.165E-02
Cs-134	ND	4.013E-02
Cs-137	ND	4.277E-02
Eu-152	ND	1.400E-01
Eu-154	ND	1.060E-01
Eu-155	ND	2.244E-01
Nb-94	ND	3.421E-02
Sb-125	ND	1.035E-01
OOL-12-01-007-F		
Ag-108m	ND	5.577E-02
Am-241	ND	2.103E-01
Co-60	ND	3.077E-02
Cs-134	ND	2.019E-02
Cs-137	8.138E-02	
Eu-152	ND	1.065E-01
Eu-154	ND	7.366E-02
Eu-155	ND	1.326E-01
Nb-94	ND	2.539E-02
Sb-125	1.099E-01	7.717E-02
OOL-12-01-008-F		
Ag-108m	ND	5.606E-02
Am-241	ND	2.045E-01
Co-60	ND	5.319E-02
Cs-134	ND	1.059E-01
Cs-137	1.125E-01	
Eu-152	ND	1.112E-01
Eu-154	ND	9.825E-02
Eu-155	ND	1.609E-01
Nb-94	ND	4.278E-02
Sb-125	ND	1.287E-01
OOL-12-01-009-F		
Ag-108m	ND	4.624E-02
Am-241	ND	5.778E-01
Co-60	ND	6.988E-02
Cs-134	ND	4.808E-02
Cs-137	ND	6.238E-02
Eu-152	ND	1.263E-01
Eu-154	ND	1.076E-01
Eu-155	ND	2.599E-01
Nb-94	ND	3.736E-02
Sb-125	ND	1.320E-01
OOL-12-01-010-F		
Ag-108m	ND	2.680E-02

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
Am-241	ND	1.876E-01
Co-60	ND	2.706E-02
Cs-134	ND	5.302E-02
Cs-137	6.331E-02	
Eu-152	ND	9.007E-02
Eu-154	ND	5.863E-02
Eu-155	ND	1.134E-01
Nb-94	ND	2.710E-02
Sb-125	ND	7.173E-02
OOL-12-01-011-F		
Ag-108m	ND	6.137E-02
Am-241	ND	3.267E-01
Co-60	ND	5.941E-02
Cs-134	ND	5.181E-02
Cs-137	ND	5.016E-02
Eu-152	ND	1.574E-01
Eu-154	ND	1.138E-01
Eu-155	2.118E-01	1.784E-01
Nb-94	ND	4.548E-02
Sb-125	1.376E-01	1.199E-01
OOL-12-01-012-F		
Ag-108m	ND	5.910E-02
Am-241	ND	9.986E-01
Co-60	ND	3.618E-02
Cs-134	ND	3.048E-02
Cs-137	3.396E-02	
Eu-152	ND	1.388E-01
Eu-154	ND	1.036E-01
Eu-155	ND	2.305E-01
Nb-94	ND	2.382E-02
Sb-125	1.100E-01	9.082E-02
OOL-12-01-013-F		
Ag-108m	ND	5.348E-02
Am-241	ND	6.835E-01
Co-60	ND	6.710E-02
Cs-134	ND	4.231E-02
Cs-137	ND	5.803E-02
Eu-152	ND	1.581E-01
Eu-154	ND	1.144E-01
Eu-155	ND	2.613E-01
Nb-94	ND	5.116E-02
Sb-125	ND	1.314E-01
OOL-12-01-014-F		
Ag-108m	ND	3.542E-02
Am-241	ND	1.870E-01
Co-60	ND	2.943E-02
Cs-134	ND	5.500E-02
Cs-137	6.355E-02	
Eu-152	ND	9.496E-02
Eu-154	ND	6.561E-02
Eu-155	ND	1.214E-01
Nb-94	ND	2.778E-02
Sb-125	ND	7.963E-02
OOL-12-01-015-F		
Ag-108m	ND	6.385E-02
Am-241	ND	2.956E-01
Co-60	ND	5.182E-02
Cs-134	ND	4.280E-02
Cs-137	ND	4.540E-02
Eu-152	ND	1.393E-01
Eu-154	ND	9.918E-02
Eu-155	ND	1.155E-01
Nb-94	ND	4.834E-02
Sb-125	ND	1.255E-01
OOL-12-01-016-F		
Ag-108m	ND	4.898E-02
Am-241	ND	1.146E+00
Co-60	ND	3.922E-02
Cs-134	ND	3.699E-02
Cs-137	ND	4.436E-02
Eu-152	ND	1.559E-01
Eu-154	ND	1.104E-01

Table 4 (Revised)
Summary of Radiological
Analytical Results for Soil
Yankee Nuclear Power Station
Rowe, MA

Radionuclide	Activity	MDC
Eu-155	ND	2.382E-01
Nb-94	ND	2.750E-02
Sb-125	1.153E-01	9.934E-02
OOL-12-01-017-F		
Ag-108m	ND	9.122E-02
Am-241	ND	2.540E-01
Co-60	ND	4.937E-02
Cs-134	ND	5.983E-02
Cs-137	ND	5.740E-02
Eu-152	ND	1.450E-01
Eu-154	ND	1.016E-01
Eu-155	ND	1.661E-01
Nb-94	ND	4.740E-02
Sb-125	ND	1.441E-01
OOL-12-01-018-F		
Ag-108m	ND	4.843E-02
Am-241	ND	1.080E+00
Co-60	ND	4.380E-02
Cs-134	ND	5.765E-02
Cs-137	9.470E-02	
Eu-152	ND	1.397E-01
Eu-154	ND	9.348E-02
Eu-155	ND	2.075E-01
Nb-94	ND	2.905E-02
Sb-125	ND	9.168E-02
OOL-12-01-019-F		
Ag-108m	ND	5.918E-02
Am-241	ND	6.617E-01
Co-60	ND	5.241E-02
Cs-134	ND	4.569E-02
Cs-137	ND	5.970E-02
Eu-152	ND	1.561E-01
Eu-154	ND	1.230E-01
Eu-155	ND	2.275E-01
Nb-94	ND	4.867E-02
Sb-125	ND	1.650E-01
OOL-12-01-020-F		
Ag-108m	ND	5.142E-02
Am-241	ND	7.197E-01
Co-60	ND	6.190E-02
Cs-134	ND	5.473E-02
Cs-137	ND	7.134E-02
Eu-152	ND	1.786E-01
Eu-154	ND	1.285E-01
Eu-155	ND	2.677E-01
Nb-94	ND	6.207E-02
Sb-125	ND	1.435E-01
OOL-12-01-023-F		
Ag-108m	ND	3.663E-02
Am-241	ND	2.157E-01
Co-60	ND	3.092E-02
Cs-134	ND	6.533E-02
Cs-137	1.049E-01	
Eu-152	ND	1.085E-01
Eu-154	ND	6.854E-02
Eu-155	1.456E-01	1.324E-01
Nb-94	ND	2.776E-02
Sb-125	ND	8.902E-02

Notes:
Units in picocuries per Liter (pCi/L)
ND = Non-detect

Table 8-1 (Revised)
Summary of Radiological Analytical Results for Upstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006											
	MDC	SD-407		SD-408		SD-409		SD-410		SD-411		SD-412	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs													
H-3	1.30E+01	ND	8.73E+00	NA		ND	9.82E+00	NA		NA		NA	
C-14	1.90E-01	ND	1.68E-01	NA		ND	1.64E-01	NA		NA		NA	
Fe-55	1.00E+03	3.23E+02	1.47E+01	NA		ND	1.46E+01	NA		NA		NA	
Ni-63	2.80E+01	ND	7.99E+00	NA		ND	8.77E+00	NA		NA		NA	
Sr-90	5.90E-02	ND	4.60E-02	NA		ND	4.42E-02	NA		NA		NA	
Tc-99	4.80E-01	ND	3.54E-01	NA		ND	3.82E-01	NA		NA		NA	
Pu-241	3.40E+01	ND	1.72E+01	NA		ND	1.88E+01	NA		NA		NA	
Pu-238	1.10E+00	1.70E-01	1.60E-01	NA		6.11E-01	2.25E-01	NA		NA		NA	
Pu-239/240	1.00E+00	ND	8.68E-02	NA		ND	2.24E-01	NA		NA		NA	
Am-241	1.00E+00	ND	2.31E-01	NA		ND	2.48E-01	NA		NA		NA	
Cm-242	1.10E+00	ND	2.57E-01	NA		ND	1.26E-01	NA		NA		NA	
Cm-243/244	1.10E+00	ND	2.75E-01	NA		ND	2.79E-01	NA		NA		NA	
Gammas													
Co-60	1.40E-01	ND	5.17E-02	ND	5.84E-02	ND	0.0388	ND	5.02E-02	ND	4.14E-02	ND	4.74E-02
Nb-94	2.50E-01	ND	4.32E-02	ND	4.13E-02	ND	0.034	ND	4.05E-02	ND	3.92E-02	ND	3.89E-02
Ag-108m	2.50E-01	ND	4.24E-02	ND	3.90E-02	ND	0.0373	ND	4.30E-02	ND	3.89E-02	ND	3.89E-02
Cs-134	1.70E-01	ND	6.77E-02	ND	5.39E-02	ND	0.0545	ND	6.55E-02	ND	5.35E-02	ND	5.59E-02
Cs-137	3.00E-01	8.07E-02	4.46E-02	1.03E-01	5.74E-02	1.22E-01	0.0377	ND	4.98E-02	9.72E-02	4.17E-02	8.19E-02	3.97E-02
Eu-152	3.50E-01	ND	1.25E-01	ND	1.10E-01	ND	0.109	ND	1.17E-01	ND	1.01E-01	ND	1.14E-01
Eu-154	3.30E-01	ND	1.70E-01	ND	1.29E-01	ND	0.131	ND	1.60E-01	ND	1.48E-01	ND	1.41E-01
Eu-155	1.40E+01	ND	1.32E-01	ND	1.27E-01	ND	0.115	ND	1.37E-01	ND	1.23E-01	ND	1.38E-01

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

Table 8-2 (Revised)
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006													
	MDC	SD-220		SD-221		SD-222		SD-223		SD-224		SD-225		SD-226	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs															
H-3	1.30E+01	ND	8.73E+00	ND	9.28E+00	ND	9.43E+00	NA		ND	9.99E+00	ND	8.86E+00	ND	9.41E+00
C-14	1.90E-01	ND	1.77E-01	ND	1.69E-01	ND	1.66E-01	NA		ND	1.41E-01	NA		ND	1.71E-01
Fe-55	1.00E+03	ND	1.50E+01	ND	1.42E+01	ND	1.48E+01	NA		ND	1.57E+01	NA		ND	1.63E+01
Ni-63	2.80E+01	ND	7.89E+00	ND	1.36E+01	ND	7.23E+00	NA		ND	8.20E+00	NA		ND	5.64E+00
Sr-90	5.90E-02	ND	3.80E-02	ND	5.43E-02	ND	5.42E-02	NA		ND	3.10E-02	NA		ND	3.23E-02
Tc-99	4.80E-01	ND	3.87E-01	ND	3.50E-01	ND	3.96E-01	NA		ND	4.24E-01	NA		ND	2.73E-01
Pu-241	3.40E+01	ND	1.82E+01	ND	1.50E+01	ND	1.78E+01	NA		ND	2.59E+01	NA		ND	1.41E+01
Pu-238	1.10E+00	3.92E-01	2.09E-01	ND	2.20E-01	5.19E-01	2.48E-01	NA		ND	1.66E-01	NA		ND	1.12E+01
Pu-239/240	1.00E+00	ND	2.09E-01	ND	3.39E-01	2.90E-01	1.86E-02	NA		ND	7.57E-02	NA		ND	3.43E-01
Am-241	1.00E+00	ND	8.79E-02	ND	9.09E-02	ND	1.06E-01	NA		ND	4.59E-01	NA		ND	1.56E-01
Cm-242	1.10E+00	ND	9.83E-02	ND	1.02E-01	ND	1.18E-01	NA		ND	3.32E-01	NA		ND	1.67E-01
Cm-243/244	1.10E+00	ND	8.80E-01	ND	1.68E-01	ND	1.06E-01	NA		ND	6.84E-01	NA		ND	8.48E-02
Gammas															
Co-60	1.40E-01	ND	4.93E-02	ND	5.06E-02	ND	5.41E-02	ND	5.20E-02	ND	3.13E-02	ND	4.47E-02	ND	5.42E-02
Nb-94	2.50E-01	ND	4.08E-02	ND	4.06E-02	ND	5.46E-02	ND	4.34E-02	ND	2.67E-02	ND	4.41E-02	ND	5.47E-02
Ag-108m	2.50E-01	ND	3.72E-02	ND	4.03E-02	ND	4.27E-02	ND	4.48E-02	ND	2.64E-02	ND	4.59E-02	ND	4.17E-02
Cs-134	1.70E-01	ND	5.97E-02	ND	6.86E-02	ND	7.86E-02	ND	6.38E-02	ND	3.00E-02	ND	6.76E-02	ND	6.90E-02
Cs-137	3.00E-01	6.73E-02	4.52E-02	8.57E-02	4.06E-02	7.52E-02	5.81E-02	2.55E-01	5.54E-02	1.75E-01	2.70E-02	2.34E-01	4.79E-02	1.01E-01	4.71E-02
Eu-152	3.50E-01	ND	1.10E-01	ND	1.17E-01	ND	1.24E-01	ND	1.26E-01	ND	7.56E-02	ND	1.32E-01	ND	1.17E-01
Eu-154	3.30E-01	ND	1.49E-01	ND	1.62E-01	ND	1.80E-01	ND	1.68E-01	ND	9.59E-02	ND	1.17E-01	ND	1.92E-01
Eu-155	1.40E+01	ND	1.40E-01	ND	1.44E-01	ND	1.51E-01	ND	1.60E-01	ND	9.66E-02	ND	1.36E-01	ND	1.51E-01

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

Table 8-2 (Revised)
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006													
	MDC	SD-227		SD-228		SD-229		SD-230		SD-231		SD-232		SD-233	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs															
H-3	1.30E+01	ND	9.39E+00	NA		ND	9.87E+00	NA		NA		ND	1.08E+01	NA	
C-14	1.90E-01	ND	1.64E-01	NA		ND	1.41E-01	NA		NA		ND	1.41E-01	NA	
Fe-55	1.00E+03	ND	1.50E+01	NA		ND	1.72E+01	NA		NA		ND	1.56E+01	NA	
Ni-63	2.80E+01	ND	7.58E+00	NA		ND	9.43E+00	NA		NA		ND	8.42E+00	NA	
Sr-90	5.90E-02	4.17E-02	3.49E-02	NA		ND	4.23E-02	NA		NA		ND	3.63E-02	NA	
Tc-99	4.80E-01	3.56E-01	3.34E-01	NA		ND	4.61E-01	NA		NA		ND	4.19E-01	NA	
Pu-241	3.40E+01	ND	1.49E+01	NA		ND	2.45E+01	NA		NA		ND	2.93E+01	NA	
Pu-238	1.10E+00	ND	1.45E-01	NA		ND	1.62E-01	NA		NA		ND	1.50E-01	NA	
Pu-239/240	1.00E+00	8.74E-02	7.90E-02	NA		ND	1.82E-01	NA		NA		ND	2.49E-01	NA	
Am-241	1.00E+00	ND	2.22E-01	NA		ND	5.05E-01	NA		NA		ND	3.78E-01	NA	
Cm-242	1.10E+00	ND	9.72E-02	NA		ND	3.31E-01	NA		NA		ND	9.82E-02	NA	
Cm-243/244	1.10E+00	ND	3.06E-01	NA		ND	5.48E-01	NA		NA		ND	3.78E-01	NA	
Gammas															
Co-60	1.40E-01	ND	4.04E-02	ND	3.79E-02	ND	5.79E-02	ND	4.19E-02	ND	4.13E-02	ND	7.45E-02	1.76E-01	4.18E-02
Nb-94	2.50E-01	ND	3.60E-02	ND	3.41E-02	ND	5.09E-02	ND	3.37E-02	ND	3.36E-02	ND	4.78E-02	ND	4.21E-02
Ag-108m	2.50E-01	ND	3.38E-02	ND	2.76E-02	ND	4.33E-02	ND	3.27E-02	ND	3.38E-02	ND	4.85E-02	ND	4.11E-02
Cs-134	1.70E-01	ND	5.88E-02	ND	4.61E-02	ND	6.24E-02	ND	5.01E-02	ND	4.72E-02	ND	8.46E-02	ND	6.66E-02
Cs-137	3.00E-01	4.12E-01	3.81E-02	8.81E-02	3.57E-02	2.52E-01	5.27E-02	2.05E-01	3.72E-02	3.75E-01	3.82E-02	4.56E-01	6.16E-02	4.18E-01	4.57E-02
Eu-152	3.50E-01	ND	9.66E-02	ND	8.72E-02	ND	1.18E-01	ND	9.61E-02	ND	9.10E-02	ND	1.57E-01	ND	1.17E-01
Eu-154	3.30E-01	ND	1.13E-01	ND	1.01E-01	ND	1.60E-01	ND	1.09E-01	ND	1.14E-01	ND	2.14E-01	ND	1.43E-01
Eu-155	1.40E+01	ND	1.09E-01	ND	9.37E-02	ND	1.02E-01	ND	1.17E-01	ND	1.04E-01	ND	1.60E-01	ND	1.27E-01

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

Table 8-2 (Revised)
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006													
	MDC	SD-234		SD-235		SD-236		SD-237		SD-238		SD-239		SD-240	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs															
H-3	1.30E+01	NA		ND	1.02E+01	NA		NA		ND	1.01E+01	NA		NA	
C-14	1.90E-01	NA		ND	1.38E-01	NA		NA		ND	1.37E-01	NA		NA	
Fe-55	1.00E+03	NA		ND	1.67E+01	NA		NA		ND	2.36E+01	NA		NA	
Ni-63	2.80E+01	NA		ND	8.86E+00	NA		NA		ND	5.35E+00	NA		NA	
Sr-90	5.90E-02	NA		ND	4.18E-02	NA		NA		ND	2.21E-02	NA		NA	
Tc-99	4.80E-01	NA		ND	4.47E-01	NA		NA		ND	3.32E-01	NA		NA	
Pu-241	3.40E+01	NA		ND	2.74E+01	NA		NA		ND	1.55E+01	NA		NA	
Pu-238	1.10E+00	NA		ND	1.76E-01	NA		NA		ND	2.18E-01	NA		NA	
Pu-239/240	1.00E+00	NA		ND	1.97E-01	NA		NA		ND	2.67E-01	NA		NA	
Am-241	1.00E+00	NA		ND	2.29E-01	NA		NA		ND	1.67E-01	NA		NA	
Cm-242	1.10E+00	NA		ND	4.45E-02	NA		NA		ND	9.53E-02	NA		NA	
Cm-243/244	1.10E+00	NA		ND	2.29E-01	NA		NA		ND	9.07E-02	NA		NA	
Gammas															
Co-60	1.40E-01	ND	4.70E-02	ND	7.17E-02	ND	3.19E-02	ND	3.44E-02	ND	3.69E-02	ND	2.56E-02	ND	3.07E-02
Nb-94	2.50E-01	ND	3.97E-02	ND	5.84E-02	ND	2.69E-02	ND	3.29E-02	ND	3.49E-02	ND	2.08E-02	ND	3.26E-02
Ag-108m	2.50E-01	ND	4.01E-02	ND	5.15E-02	ND	2.39E-02	ND	2.94E-02	ND	3.03E-02	ND	2.04E-02	ND	3.01E-02
Cs-134	1.70E-01	ND	5.71E-02	ND	6.94E-02	ND	3.57E-02	ND	4.73E-02	ND	5.20E-02	ND	3.25E-02	ND	4.64E-02
Cs-137	3.00E-01	3.07E-01	4.37E-02	1.81E-01	5.73E-02	6.78E-02	2.59E-02	ND	3.88E-02	9.89E-02	3.71E-02	4.12E-02	2.37E-02	1.53E-01	3.53E-02
Eu-152	3.50E-01	ND	1.12E-01	ND	1.62E-01	ND	7.57E-02	ND	8.60E-02	ND	9.62E-02	ND	6.45E-02	ND	9.13E-02
Eu-154	3.30E-01	ND	1.55E-01	ND	2.08E-01	ND	8.96E-02	ND	1.20E-01	ND	1.27E-01	ND	8.10E-02	ND	1.06E-01
Eu-155	1.40E+01	ND	1.22E-01	ND	1.40E-01	ND	8.47E-02	ND	1.01E-01	ND	1.13E-01	ND	8.21E-02	ND	9.96E-02

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

Table 8-2 (Revised)
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006													
	MDC	SD-241		SD-243		SD-244		SD-245		SD-246		SD-247		SD-248	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs															
H-3	1.30E+01	ND	8.96E+00	NA		ND	5.36E+00	NA		NA		ND	5.89E+00	ND	5.16E+00
C-14	1.90E-01	ND	1.75E-01	NA		ND	1.66E-01	NA		NA		NA		NA	
Fe-55	1.00E+03	ND	1.70E+01	NA		ND	1.51E+01	NA		NA		NA		NA	
Ni-63	2.80E+01	ND	1.74E+01	NA		ND	5.54E+00	NA		NA		NA		NA	
Sr-90	5.90E-02	ND	3.55E-02	NA		ND	3.54E-02	NA		NA		NA		NA	
Tc-99	4.80E-01	ND	2.92E-01	NA		ND	2.56E-01	NA		NA		NA		NA	
Pu-241	3.40E+01	ND	1.55E+01	NA		ND	1.47E+01	NA		NA		NA		NA	
Pu-238	1.10E+00	ND	8.78E-02	NA		ND	8.82E-02	NA		NA		NA		NA	
Pu-239/240	1.00E+00	ND	1.92E-01	NA		ND	8.82E-02	NA		NA		NA		NA	
Am-241	1.00E+00	ND	8.49E-02	NA		ND	2.19E-01	NA		NA		NA		NA	
Cm-242	1.10E+00	ND	9.08E-02	NA		ND	1.07E-01	NA		NA		NA		NA	
Cm-243/244	1.10E+00	ND	8.50E-02	NA		ND	1.00E-01	NA		NA		NA		NA	
Gammas															
Co-60	1.40E-01	ND	3.45E-02	ND	2.21E-02	ND	3.22E-02	ND	2.70E-02	ND	4.01E-02	ND	4.88E-02	NA	
Nb-94	2.50E-01	ND	2.64E-02	ND	1.92E-02	ND	2.83E-02	ND	2.84E-02	ND	3.65E-02	ND	4.63E-02	NA	
Ag-108m	2.50E-01	ND	2.56E-02	ND	1.69E-02	ND	2.86E-02	ND	2.55E-02	ND	2.99E-02	ND	4.19E-02	NA	
Cs-134	1.70E-01	ND	3.54E-02	ND	2.51E-02	ND	3.91E-02	ND	3.63E-02	ND	4.55E-02	ND	6.89E-02	NA	
Cs-137	3.00E-01	9.87E-02	2.80E-02	2.15E-01	2.17E-02	ND	3.06E-02	5.31E-02	2.79E-02	6.92E-02	3.92E-02	1.23E-01	4.99E-02	NA	
Eu-152	3.50E-01	ND	7.02E-02	ND	5.28E-02	ND	8.16E-02	ND	6.97E-02	ND	9.66E-02	ND	1.16E-01	NA	
Eu-154	3.30E-01	ND	9.80E-02	ND	6.25E-02	ND	1.01E-01	ND	9.01E-02	ND	1.26E-01	ND	1.55E-01	NA	
Eu-155	1.40E+01	ND	8.02E-02	ND	6.84E-02	ND	9.47E-02	ND	8.27E-02	ND	1.03E-01	ND	1.23E-01	NA	

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

Table 8-2 (Revised)
Summary of Radiological Analytical Results for Downstream Sediment Samples
Yankee Nuclear Power Station
Rowe, MA

		Spring 2006									
	MDC	SD-249		SD-250		SD-251		SD-252		SD-304R	
Radionuclide	Requested	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC	Activity	MDC
Tritium and HTDs											
H-3	1.30E+01	ND	6.41E+00	ND	8.33E+00	ND	9.50E+00	ND	9.36E+00	ND	8.57E+00
C-14	1.90E-01	NA		NA		NA		NA		ND	1.62E-01
Fe-55	1.00E+03	NA		NA		NA		NA		ND	1.37E+01
Ni-63	2.80E+01	NA		NA		NA		NA		ND	1.03E+01
Sr-90	5.90E-02	NA		NA		NA		NA		ND	5.55E-02
Tc-99	4.80E-01	NA		NA		NA		NA		ND	3.96E-01
Pu-241	3.40E+01	NA		NA		NA		NA		ND	1.66E+01
Pu-238	1.10E+00	NA		NA		NA		NA		3.00E-01	2.02E-01
Pu-239/240	1.00E+00	NA		NA		NA		NA		ND	2.70E-01
Am-241	1.00E+00	NA		NA		NA		NA		ND	1.79E-01
Cm-242	1.10E+00	NA		NA		NA		NA		ND	1.09E-01
Cm-243/244	1.10E+00	NA		NA		NA		NA		ND	1.79E-01
Gammas											
Co-60	1.40E-01	NA		ND	7.97E-02	NA		NA		8.58E-02	4.45E-02
Nb-94	2.50E-01	NA		ND	7.70E-02	NA		NA		ND	3.65E-02
Ag-108m	2.50E-01	NA		ND	7.00E-02	NA		NA		ND	3.47E-02
Cs-134	1.70E-01	NA		ND	1.08E-01	NA		NA		ND	5.77E-02
Cs-137	3.00E-01	NA		1.36E-01	8.23E-02	NA		NA		1.91E-01	3.70E-02
Eu-152	3.50E-01	NA		ND	2.01E-01	NA		NA		ND	1.01E-01
Eu-154	3.30E-01	NA		ND	2.35E-01	NA		NA		ND	1.05E-01
Eu-155	1.40E+01	NA		ND	1.71E-01	NA		NA		ND	1.29E-01

Notes:
Units in picocuries per gram (pCi/g)
ND = Non-detect
NA = Not Analyzed

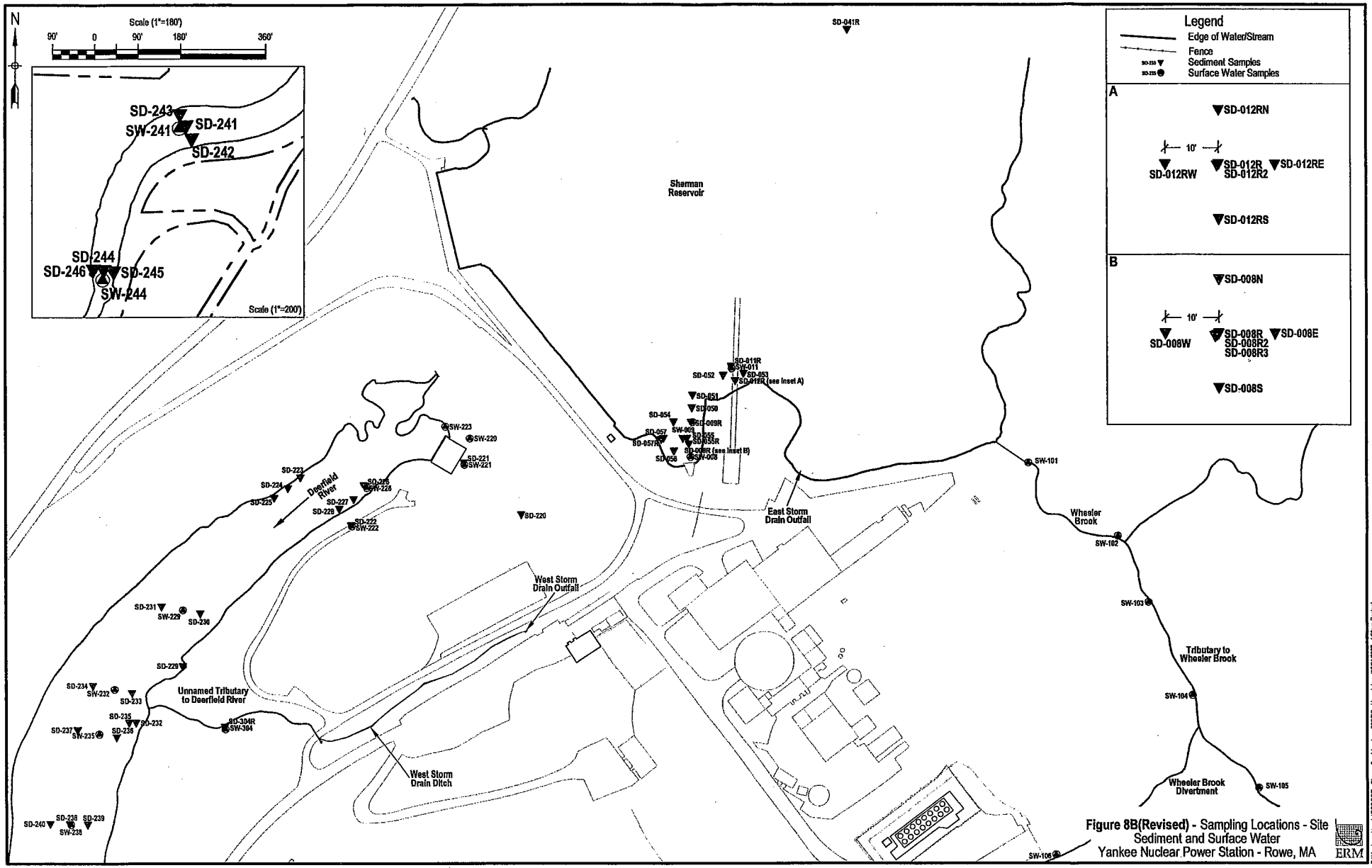

Figure 8B(Revised) - Sampling Locations - Site Sediment and Surface Water
Yankee Nuclear Power Station - Rowe, MA

ERM

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BUD	Beneficial Use Determination
CMR	Code of Massachusetts Regulations
DCE	1,1-dichloroethene
DCGL	Derived Concentration Guideline Level
DEHP	bis(2-ethylhexyl)phthalate
DRO	Diesel Range Organics
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbon
ERM	Environmental Resources Management
FSS	Final Status Survey
GERG	Geochemical & Environmental Research Group
GMP-MCP	Groundwater Monitoring Plan to Support Closure under the Massachusetts Contingency Plan
HSA	Historical Site Assessment
HSSR	Hydrogeochemical and Stream Sediment Reconnaissance Program
IAEA	International Atomic Energy Agency
ISFSI	Independent Spent Fuel Storage Installation
IX	Ion Exchange
LTP	License Termination Plan
MADEP	Massachusetts Department of Environmental Protection
MCL	Maximum Contaminant Level
MCP	Massachusetts Contingency Plan
MDL	Method Detection Level
MW	Monitoring Well
NRC	Nuclear Regulatory Commission
NURE	National Uranium Resource Evaluation
OHM	Oil and Hazardous Materials
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
pCi/L	picocuries per liter
pCi/g	picocuries per gram
PP13	Priority Pollutant 13 Metals
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAO	Response Action Outcome Statement
ROS	Remedy Operation Status
RCs	Reportable Concentrations
REMP	Radiological Environmental Monitoring Program
RSCS	Radiation Safety Control Services

SCM	Site Conceptual Model
SFP	Spent Fuel Pool
SRL	Savannah River Laboratory
SVOC	Semi-Volatile Organic Compound
TCA	1,1,1-trichloroethane
TSCA	Toxic Substance Control Act
UIC	Underground Injection Control
VOC	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbon
YAEC	Yankee Atomic Electric Company
YNPS	Yankee Nuclear Power Station

Introduction

Yankee Atomic Electric Company (YAEC) retained Environmental Resources Management (ERM) to prepare a Supplemental Phase II Comprehensive Site Assessment Report for the Yankee Nuclear Power Station, which is located in Rowe, Massachusetts. YAEC ceased commercial power generation activities at the site in 1992 and is in the final stages of site decommissioning.

A Phase II Comprehensive Site Assessment for the YNPS site was submitted to the Massachusetts Department of Environmental Protection (MADEP) in January 2005. On 7 October 2005, the MADEP provided YAEC with a review of the Phase II Report (Phase II Approval Letter) and stated that the Phase II Report was acceptable, subject to certain conditions. This Supplemental Phase II was prepared to address the conditions in the Phase II Approval Letter.

Supplemental Activities

This Supplemental Phase II report provides a summary of the following activities:

- Supplemental soil sampling to further characterize site conditions and to evaluate the effectiveness of closure activities in over 25 areas at the site;
- Implementation of a soil gas survey in the vicinity of the former solvent usage area;
- Installation of 19 additional groundwater monitoring wells and three replacement wells;
- Multiple groundwater sampling rounds and analysis of samples for radiological, as well as oil and hazardous material (OHM) parameters;
- Collection of 23 surface water and 50 sediment samples for analysis of radiological, as well as OHM parameters; and
- Collection of fish for analysis of radiological parameters.

Conclusions

The conclusions of the Supplemental Phase II Comprehensive Site Assessment for YNPS are presented below:

- The sources, nature and extent of impacts to the environment at YNPS have been defined. Additional investigation activities have addressed the conditions of approval stipulated by MADEP in the Phase II Approval Letter. No new or additional impacts were identified.

- Impacted soil and sediment have been adequately remediated. A limited program of confirmatory sampling and remediation is on-going to complete the decommissioning program.

- Areas of groundwater impact that exceed applicable or suitably analogous drinking water standards will continue to be monitored until impacts naturally attenuate (via dilution, dispersion, bio-transformation, radioactive decay) below drinking water standards.

- Portions of the site where residual concentrations of OHM in subsurface soil could pose a potential future risk of harm to human health, safety or public welfare will be subject to land use restrictions (e.g., Activity & Use Limitation or similar deed restriction) that will prohibit activities and uses that could result in adverse exposure and require the maintenance of controls (e.g., soil cover, 24-hour security) to prevent adverse exposure.

- Cumulative human health and environmental risk characterizations will be prepared to confirm and document that residual impacts remaining at the site will not pose a significant risk based on the planned land use restrictions. The risk assessment will be submitted to the Department under separate cover.

1.0 INTRODUCTION

1.1 BACKGROUND

The Yankee Nuclear Power Station (YNPS) is located on an approximately 1,800-acre property at 49 Yankee Road in Rowe, Massachusetts (Figure 1). Yankee Atomic Electric Company (YAEC), owner and operator of YNPS, ceased commercial power generation activities in 1992 and is in the final stages of decommissioning the plant.

On behalf of Yankee Atomic Electric Company (YAEC), Environmental Resources Management (ERM), in coordination with Gradient Corporation (Gradient), Radiation Safety Control Services (RSCS) and C.N. Associates, prepared a Phase II Comprehensive Site Assessment (Phase II) Report for the YNPS site, dated 28 January 2005. The report, which was prepared at the request of the Massachusetts Department of Environmental Protection (MADEP/Department), presented data generated through December 2004 and included a summary of:

- Likely and known sources of release of radioactivity, oil, and/or hazardous materials (OHM) to the environment;
- YAEC's rationale for selection of radioactive/OHM constituents/contaminants of concern and areas/media targeted for investigation;
- Results of investigation and testing to identify the nature and extent of contamination in potentially affected media (soil, groundwater, surface water, sediment, air, fish and food stocks such as syrup and milk); and
- Ongoing/scheduled investigations and/or remedial actions.

On 7 October 2005, the Department provided YAEC with a review of the Phase II Report (Phase II Approval Letter) and stated that the Phase II Report was acceptable, subject to certain conditions (see Appendix A). The conditions included requirements to conduct additional sampling of soil, groundwater, sediment, surface water and fish, along with requests for other information related to the nature and extent of impacts at YNPS. The Department's letter established a deadline of 15 July 2006 for the submittal of the requested information. Following discussions between Mr. Joseph Lynch (YAEC) and Mr. David Howland (MADEP), the

deadline for submittal of the report was extended to allow for the compilation and review of data collected in Spring and Summer 2006.

1.2 *PURPOSE & SCOPE*

The purpose of the Supplemental Phase II Report is to address the conditions outlined in the Phase II Approval Letter and to further document the source, nature, and extent of impacts associated with the construction, operation, and decommissioning of YNPS. A summary of the conditions outlined in the Phase II Approval Letter, along with YAEC's response to the conditions, is provided in Table 1.

As with the Phase II Report, the Supplemental Phase II is intended to be a summary document and thereby relies on more detailed supporting characterization documentation. The Phase II is applicable to the entire "YNPS site" defined, for the purposes of this report, as that location in the environment where plant-related radioactivity and/or OHM have come to be located in the environment (i.e., at levels exceeding those naturally occurring, or background, including anthropogenic influences).

This Supplemental Phase II is submitted in partial fulfillment of the requirements of the Massachusetts Contingency Plan (MCP), Code of Massachusetts Regulations (310 CMR 40.0000) for a Phase II Report pursuant to 310 CMR 40.0883. A risk characterization will be prepared following completion of remedial actions to document that residual radioactivity and/or OHM remaining at the site meet applicable risk management criteria for protection of human health, safety, public welfare and the environment.

1.3 *STATUS OF DECOMMISSIONING ACTIVITIES*

Decommissioning activities have been substantially completed as of September 2006. All structures at the site, except for the guardhouse and Independent Spent Fuel Storage Installation (ISFSI) have been demolished (see Figure 2). Remedial activities, consisting of soil and sediment excavation and on-site thermal treatment or off-site disposal, have been completed in a variety of areas to support site closure. In addition, polychlorinated biphenyls (PCB) impacted soil in the former Southeast Construction Fill Area has been substantially removed. Closure samples were taken during the course of all remedial activities to determine the adequacy of the cleanup and to document post-remedial conditions. The site is in the process of being re-graded and the crest of Sherman Dam is

being extended onto the site to replace former flood control structures that were part of YNPS. The Final Status Survey (FSS), which is necessary to satisfy the requirements of the License Termination Plan (LTP) for radiological issues, is substantially complete with data analysis and report generation currently underway.

YAEC anticipates that site decommissioning will be completed in 2006 and that groundwater sampling and monitoring of site conditions will be performed in 2007 and beyond. YAEC anticipates that the final risk characterization being conducted as part of this Phase II and in support of site closure will be completed in early 2007 and that a Response Action Outcome Statement (RAO) or Remedy Operation Status (ROS) will be filed by the end of 2007.

The ISFSI will continue to be guarded and monitored continually until the fuel is permanently removed.

2.0 SUMMARY OF SUPPLEMENTAL PHASE II ACTIVITIES

2.1 SOIL

2.1.1 Radiological Sampling

Soil samples along with other survey data are being collected during the FSS in accordance with the FSS Quality Assurance Project Plan (QAPP) and approved procedures. The results from these samples will comprise the final record of radioactivity in soils at the site and will be used to demonstrate compliance with applicable Derived-Concentration Guideline Levels (DCGLs) for Nuclear Regulatory Commission (NRC) license termination and risk assessment. Both surface (top 6 inches of soil) and subsurface (top 3 meters of soil in limited areas) samples are being collected in support of FSS, in addition to scans of open land areas (see Figure 3).

2.1.2 OHM Sampling

Supplemental soil sampling was performed between January 2005 and August 2006 to address the Department's comments in the Phase II Approval Letter, to further characterize site conditions, and to evaluate the effectiveness of closure activities the site. Based on discussions with the MADEP, ERM, on behalf of YAEC, submitted a letter to the MADEP , dated 31 March 2006 (see Appendix B), that outlined YAEC's proposed approach for evaluating exceedances of Reportable Concentrations (RCs), which varied from the approach described in the Department's Phase II Approval Letter. The adopted approach was designed to ensure adequate characterization of soil in areas where data indicated OHM at levels in excess of RCs and to eliminate collection of repetitive or unnecessarily duplicative data.

The soil sampling locations are shown in Figures 4A and 4B. Soil samples were collected for one or more of the following non-radiological parameters:

- Extractable Petroleum Hydrocarbons (EPH) - Standard/Volatile Petroleum Hydrocarbons (VPH) - Standard by MADEP Methods MADEP-EPH-98-1 and MADEP-VPH-98-1 (standard analysis excludes target analytes).

- Volatile Organic Compounds (VOCs) by GC/MS, SW-846 Method 8260B;
- Semi-Volatile Organic Compounds (SVOCs) by GC/MS, SW-846 Method 8270C;
- Dioxin;
- Herbicides by SW-846 Method 8151;
- Polychlorinated Biphenyls (PCBs) by GC, SW-846 Method 8082; and
- Priority Pollutant 13 Metals (PP13) Metals by SW-846 6010B.

In addition to the soil sampling activities described above, YAEC collected over 600 excavation closure samples to satisfy Environmental Protection Agency (EPA) requirements of the Toxic Substance Control Act (TSCA) associated with remediation of PCBs in soil in both the central portion of the site and at the former Southeast Construction Fill Area. The closure samples were collected following the excavation of soils impacted by the historic release of PCB-containing paint chips. A final TSCA Soil Report and a Phase IV Final Inspection Report, which will describe the remedial activities and closure sampling, will be provided under separate cover.

2.2 *SOIL GAS*

From April to June 2005, a passive soil gas sampling event was conducted in the footprint of the former Service Building and Turbine Building (see Figure 4B). Sampling was conducted to investigate the former usage of solvents in the machine shop of the Service Building and the oil room in the Turbine Building. Samples were analyzed for VOCs by GC/MS, SW-846 Method 8260B.

2.3 *GROUNDWATER*

2.3.1 *Monitoring Well Network*

Groundwater investigations began at YNPS in 1977 with the installation of the first monitoring well. Since 1977, a total of 80 monitoring wells have been installed, along with three replacement wells. Although 25 of these wells were abandoned during site decommissioning, the remaining 55 wells support ongoing monitoring of site groundwater quality (see Table 2 and Figure 5). A brief summary of primary well installation/ abandonment events is provided below:

- Prior to 2003, 34 monitoring wells were installed at various times to investigate the shallow outwash aquifer.

- In 2003 and 2004, a comprehensive subsurface investigation program was initiated to evaluate groundwater quality deeper in the overburden beneath the shallow outwash deposits and into the underlying bedrock aquifer. This program included collection of continuous soil and rock cores and installation of 27 wells as a single, couplet or triplet monitoring point, including:

    - Four wells in the shallow outwash aquifer;

    - 13 wells in sand lenses interlayered within a lodgment till underlying the bedrock; and

    - 10 wells into the bedrock.

- In 2006, an additional 22 wells were installed to further define the extent of groundwater impacts detected in previous events. The wells were installed by D.L. Maher Company in accordance with the Department's *Standard References for Monitoring Wells* (WSC-310-91). This investigation focused on further characterization of groundwater quality in and around the Ion Exchange (IX) Pit and the Spent Fuel Pool (SFP) as the suspected source of tritium in groundwater as well as the down-gradient extent of impact, including:

    - Nine wells in three wells clusters to investigate the IX Pit, the SFP, and the Septic System Leach Field;

    - Five shallow wells to bound the highest shallow tritium groundwater concentration;

    - Three wells to investigate the highest deep tritium groundwater concentration;

    - Three shallow wells to replace wells that were destroyed during decommissioning;

    - One shallow well to investigate non-radiological impacts down-gradient of the former Service Building; and

    - One additional well at the MW-104 cluster to characterize an intermediate sand lens.

Plant decommissioning activities necessitated the closure/abandonment of a total of 26 monitoring wells. These were generally older, shallow wells that were either damaged with questionable integrity, duplicative of the current monitoring well network or not worth maintaining during site re-grading, including:

- In July 2004, the following six wells were closed: B-1, CB-10, CB-11A, CW-11, CW-8, and MW-1;
- In November 2004, the following 16 wells were closed: CB-1, CB-12, CB-5, CB-7, CB-9, CFW-2, CFW-3, CFW-4, CFW-7, CW-3, CW-4, CW-5, MW-2, MW-5, MW-6, and OSR-1;
- In August 2005, the following three wells were closed: CB-2, CW-6, and CW-7; and
- In August 2006, CB-3 was closed.

2.3.2 *Water Supply Wells*

Two fresh water supply wells served the YNPS site: the Furlon House Water Supply Well (DW002) and the Plant Water Supply Well (DW001). The Furlon House Water Supply Well is in the process of being abandoned, as its associated structure has been demolished. No additional sampling will occur from this well location.

2.3.3 *Sherman Spring*

Sherman Spring is located approximately 0.2 miles northwest of the former footprint of the operating plant. It continues to be routinely sampled as a part of the groundwater monitoring program and was sampled in conjunction with the surface water sampling program conducted as part of the Supplemental Phase II activities.

2.3.4 *Radiological Sampling Program*

Monitoring Wells

As discussed in Section 2.3.1, additional monitoring wells have been installed at YNPS, and those wells have been incorporated into the site groundwater sampling program. Table 3 provides a matrix of the wells sampled, in the Winter 2005, Spring 2006, Summer 2006, and Fall 2006 quarterly sampling campaigns. Table 3 also provides the analytical suites for each monitoring period.

In the fourth quarter of 2005, increases in the tritium concentrations were observed in three of the shallow-aquifer wells (MW-106A, CB-6, CB-4) and the groundwater seep at Sherman Spring (SP-1). These wells previously had low or non-detectable concentrations of tritium. The increase in concentrations was attributed to flushing of groundwater through the source area following the removal of slabs and foundations in that portion of the site. As a result, supplemental tritium sampling of these wells was performed in January/February, May/June, and August of 2006.

Two of the wells and the surface water seep (MW-106A, CB-6 and SP-1) are down-gradient of the former foot-print of the operating plant. The increased concentrations of tritium detected down-gradient of the former plant are consistent with the migration of tritium via advective flow of groundwater in the shallow outwash deposits from defined areas of tritium impact to groundwater at the former plant. These locations will continue to be sampled as part of the LTP groundwater monitoring program.

Water Supply Wells

The on-site potable water supply wells have been historically included in the site groundwater sampling plans. Table 3 summarizes the analyses performed (or to be performed) for the Furlon House and Site Water Supply Wells for the Winter 2005, Spring 2006, Summer 2006, and Fall 2006. As the Furlon House Water Supply Well is being abandoned, it is no longer available for sampling.

Sherman Spring

Sherman Spring continues to be included in the groundwater monitoring program. Tritium has been the only plant-related radionuclide identified in sampling and analysis. Table 3 provides a matrix of the analyses performed during the Winter 2005, Spring 2006, Summer 2006, and Fall 2006 quarterly sampling campaigns.

2.3.5 *OHM Sampling Program*

Monitoring Wells

As part of the site closure process, YAEC has been conducting groundwater sampling on a periodic basis. The following table summarizes groundwater sampling activities conducted since the submittal of the Phase II Report:

Date	Comment
November 2004	Phase II Report provided historical data, but had not yet been validated. The validated data are presented in this report.
March 2005	Sampled select wells that previously exceeded RCs.
November 2005	Sampled select wells that previously exceeded RCs.
April/May 2006	Comprehensive sampling round to address conditions of Phase II Approval Letter. Data have not yet been validated.
June/July 2006	Sampled select wells that exceeded RCs in April/May. Data have not yet been validated.
September 2006	Sampling has been conducted, but the results are not yet available.

Groundwater samples were collected using low-flow sampling techniques in accordance with YAEC's procedure *Ground Water Level Measurement and Sample Collection in Observation Wells* (DP-9734) and USEPA's *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*, dated 30 July 1996.

During these sampling events, monitoring wells were analyzed for one or more of the following non-radiological parameters:

- EPH/VPH by MADEP Methods MADEP-EPH-98-1 and MADEP-VPH-98-1;
- VOCs by GC/MS, SW-846 Method 8260B; (with Tentatively Identified Compounds in specified samples);
- SVOCs by GC/MS, SW-846 Method 8270C SVOCs, SIM analysis;
- Alcohols by FID Method ASTM D3695;
- Chlorinated Herbicides by GC, SW-846 Method 8151;
- PCBs - total and dissolved by GC, SW-846 Method 8082; and
- PP13 Metals plus boron and lithium by SW-846 Method 6010B.

As with the soil sampling program, ERM submitted a letter to the Department on 31 March 2006 that outlined YAEC's proposed approach for evaluating exceedances of RCs in groundwater. Appendix B provides a summary of the approach that was adopted at the site.

On 1 September 2006, YAEC submitted to the Department a *Groundwater Monitoring Plan to Support Closure under the Massachusetts Contingency Plan*

(GMP-MCP) that outlined long-term monitoring proposed to support site closure under the MCP. The *Groundwater Compliance Plan for License Termination for the Yankee Nuclear Power Station,* which outlines groundwater monitoring being conducted to satisfy the License Termination Plan for review and approval by the NRC, was included as an appendix to the GMP-MCP.

Water Supply Wells

Since January 2005, the Facility Supply Well (DW001) has been sampled twice for non-radiological parameters and the Furlon House (Visitor's Center) Water Supply Well (DW002) has been sampled once for non-radiological parameters.

Sherman Spring

Since January 2005, Sherman Spring has been sampled once for non-radiological parameters. Sampling of surface water from Sherman Spring is addressed in Section 2.4 below.

2.4 SEDIMENT & SURFACE WATER

2.4.1 Sampling Program

Sediment and surface water sampling was conducted between May and August 2006 to address the Department's comments in the Phase II Approval Letter. As requested by the Department, sediment and/or surface water samples were collected at the following locations:

- Background/Deerfield River: Three surface water and six sediment samples were collected from locations in the Deerfield River, upstream of the Harriman Station outfall (SW-407 to 409, SD-407 to 412).

- Sherman Reservoir: Three surface water and 13 sediment samples were collected in the vicinity of the Intake Structure, Discharge Structure, and East Storm Drain Outfall. The following samples were collected to further evaluate locations where inorganic elements were detected at concentrations more than five times background levels (SD-008R, 009R, 011R, 012R, 041R). The remaining samples in Sherman Reservoir were collected to further assess potential impacts to sediment (SD-050 to 057) and surface water (SW-008, -009 and -011).

- Wheeler Brook: Six surface water samples were collected from Wheeler Brook (SW-101 through SW-106), consistent with sampling locations used for annual monitoring of the former Southeast Construction Fill Area.

- West Storm Drain Ditch: One surface water and one sediment sample were collected in the West Storm Drain Ditch. The sediment sample was collected to further evaluate locations where inorganic elements were detected at concentrations more than five times background levels (SD-304R). The surface water sample was co-located with the sediment sample (SW-304).

- Surface Springs: One surface water and one sediment sample were collected at each of the following locations: along the true seep line of Sherman Spring (SD-220, SW-220), at the historic "Sherman Spring" sampling location (SD-221, SW-221); and at the seep area of the "second spring" south of Sherman Spring (SD-222, SW-222).

- Deerfield River below Sherman Dam: Ten surface water samples and 30 sediment samples were collected from the Deerfield River downstream of Sherman Dam. The sampling locations are described below:
  - At the outfall location of Sherman Spring (SW-223; SD-223 to -225)
  - At the outfall location of the "second spring" (SW-226; SD-226 to -228)
  - In the river between Sherman Dam and the West Storm Drain Ditch (SW-229; SD-229 to -231)
  - In two areas near the West Storm Drain Ditch outfall to the river (SW-232; SD-232 to -234) and (SW-235; SD-235 to -237)
  - Three areas between the West Storm Drain Ditch and the Monroe Bridge Dam, upstream of the former, capped Monroe Sludge Landfill (SW-238; SD-238 to -240), (SW-241; SD-241 to -243) and (SW-244; SD-244 to -246)
  - Behind the Bear Swamp (Fife Brook) dam (SW-247; SD-247 to -249)
  - Behind the No. 4 dam in Charlemont (SW-250; SD-250 to -252)

Sediment grab samples were collected either manually using a core tube or by boat using a Ponar or torpedo dredge.

Sediment samples from the West Storm Drain, Bear Swamp, No. 4 Dam, and background were collected manually. A 2-in diameter, clear PVC

core tube, capped at one end, was pushed by hand approximately four inches into the sediment to obtain a sample. Generally, multiple core samples collected adjacent to one another were required to fill the requisite number of containers. Samples were collected from downstream to upstream locations to reduce the potential for suspended sediments to impact the sample results.

Deerfield River samples were collected both manually and with a Ponar dredge. Manual collections were made for samples SD-220 through SD-236, as described above. In Sherman Reservoir samples were collected either manually, with a Ponar dredge, or with a K-B corer. Manual samples were collected by divers. In some cases the divers collected the sediments in a capped gallon jug and brought the jug to the boat, where the sample was placed into containers. At other locations, the divers took the sample containers directly to fill them.

Surface water samples were collected into the sample containers by lowering the sample container into the surface water without disturbing the sediments.

2.4.2 *Radiological Analyses*

Sediment samples were analyzed for tritium, hard-to-detects, or gamma-emitting radionuclides (or combinations thereof) as requested by the DEP.

2.4.3 *OHM Analyses*

Sediment and surface water samples were collected for one or more of the following non-radiological parameters:

- EPH/VPH by MADEP Methods MADEP-EPH-98-1 and MADEP VPH-98-1;
- VOCs by GC/MS, SW-846 Method 8260B;
- SVOCs by GC/MS, SW-846 Method 8270C SVOCs;
- PCBs by GC, SW-846 Method 8082;
- PP13 Metals by SW-846 6010B;
- Boron and lithium by SW-846 Method 6010B; and
- Total uranium by ICP Trace.

2.4.4 *Remedial Activities*

Sediment remediation activities to address the release of paint chips containing PCBs were performed in November 2004 and wetland restoration activities continued through 2005. Detailed descriptions of the remedial activities and the closure sampling were presented in the TSCA Sediment Final Report (ERM, 2006).

2.5 *FISH*

2.5.1 *Radiological Sampling Program*

Fish tissue sampling was conducted in June and July 2006 to address the Department's comments in the Phase II Approval Letter. As requested by the Department, fish samples were collected at the following locations:

- Harriman Reservoir, consistent with historic background sampling locations;
- Southern end of Sherman Reservoir, near YNPS; and
- Deerfield River, between the outfall of the West Storm Drain Ditch and the Monroe Bridge Dam.

On Harriman and Sherman Reservoirs, trot lines and a boat electrofisher were used to collect fish. Two trot lines, each approximately 12-feet long with approximately eight baited hooks were fished for two days (pulled every 24 hours), with little success. Therefore, electrofishing was performed with a boat-mounted Smith Root Model GPP electrofisher; most of the samples were collected with this equipment.

On the Deerfield River, the fish sample was collected with the same boat electrofisher that was used on Harriman and Sherman Reservoirs. Other collection methods were attempted before the electrofisher was used because boat access was not readily available. A backpack electrofisher, trot lines, gill net, and trap nets were all used unsuccessfully. The boat electrofisher was eventually put in the river with the back-up support of a tow truck.

In accordance with "Radioassay Procedures for Environmental Samples," Environmental Health Series: Radiological Health, Public Health Service, United States Department of Health, Education, and Welfare, the edible portions of the fish samples were submitted for radiological analyses of gamma-emitting radionuclides and tritium. Because of the absence of

plant-related hard-to-detect radionuclides in sediment, it is unlikely that hard-to-detect radionuclides will be identified in the edible portions of fish, and these radionuclides were not included in the original analyses performed. YAEC has subsequently requested that analyses for hard-to-detect radionuclides be performed, as requested in the Phase II Approval Letter. The results of these analyses will be provided to the DEP under separate cover, upon their receipt and review.

2.5.2 *OHM Sampling Program*

No additional analysis of fish samples for OHM has been conducted since submittal of the Phase II Report.

3.0 EVALUATION OF NON-INDUSTRIAL PORTION OF SITE

3.1 OVERVIEW

YAEC intends to retain the plant parcel to serve as a buffer around the ISFSI (the Retained Parcel, see Figure 1). YAEC intends to divest the remainder of the property, which consists of the following two parcels:

- Rowe Parcel - Approximately 1,648 acres located in the northwest corner of Rowe, Massachusetts, to the east of the Deerfield River
- Monroe Parcel – Approximately 89 acres located in Monroe, Massachusetts, to the west of the Deerfield River

A Phase I Environmental Site Assessment (Phase I), dated 22 February 2006 (see Appendix C), was prepared in support of YAEC divestiture of the Rowe and Monroe Parcels. The overall objective of the environmental assessment was to provide an independent, professional opinion regarding recognized environmental conditions (as defined by *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-02)), if any, associated with the Rowe and Monroe Parcels.

YAEC retained Stratex, LLC to conduct a site walkover as a supplement to the Phase I to evaluate potential disposal areas. The findings of the site walkover were presented to YAEC in a letter report, dated 25 May 2006 (see Appendix D).

The findings of the Phase I Environmental Site Assessment and the site walkover are described below. The Department reviewed a number of the sites identified in the Stratex Report during a site visit on 21 June 2006.

3.2 ROWE PARCEL

3.2.1 *Phase I Findings*

The following is a summary of the findings for the Rowe Parcel:

- The Rowe Parcel is approximately 1,648 acres of land located in Rowe, Massachusetts.

- YAEC intends to retain ownership of the ISFSI and a buffer around it, which includes the footprint of the former YNPS (the Retained Parcel).
- Prior to the construction of the YNPS, the Rowe Parcel was primarily used for agricultural activities.
- Brick and grout generated during the redevelopment of the No. 5 hydroelectric station were placed on a portion of the Rowe Parcel in accordance with a DEP approval (the ABC Permitted Area).
- Miscellaneous construction debris (concrete and metal) were observed in wooded areas in the vicinity of the Furlon House and West Parking Areas.
- A heating oil underground storage tank was removed from the Furlon House Parking Area in 2003. There was no evidence of a release. Petroleum was detected above screening values in one soil sample collected in the Furlon House Parking Area, but sampling conducted after the preparation of the Phase I Report indicated that the prior results were attributable to an organic layer at the parking lot (see Section 4.2.2.3). No further investigations are planned in this area.
- Chemicals related to environmental sampling activities are stored in the Furlon House. Corrosion was present on some empty drums.
- Pesticides have been used within the transmission line easements.
- Lead was detected above screening values in a soil sample from the ABC Permitted Area, but sampling conducted after the preparation of the Phase I Report indicated that the prior results were anomalous (see Section 4.2.2.3). No further investigations are planned in this area.
- No significant impacts to groundwater were identified on the Rowe Parcel based on data from a water supply well at the Furlon House.
- The majority of the Rowe Parcel has been classified as a non-impacted area with respect to potential radiological impacts associated with the former YNPS. Three Class 3 areas are present on the Rowe Parcel - the Furlon House, the Furlon House Parking Area and the West Parking Area. Class 3 areas are defined as having the possibility of containing residual site radioactivity in excess of natural background or fallout levels and that may contain levels of residual radioactivity at a small fraction of the DCGL.
- No potential off-site sources of impact to the Rowe Parcel were identified. The Rowe Parcel is up-gradient of the former Hoosac Tunnel & Wilmington Railroad bed, the former YNPS, and the Sherman Hydroelectric Development.

3.2.2 *Site Walkover*

A total of 15 areas were identified on the Rowe Parcel that warrant further evaluation and/or removal of small quantities of debris. A variety of debris was found in the areas, such as containers for motor oil, brake fluid and antifreeze, kerosene lanterns, paint cans, gas cans, glass bottles, enamel pots and pans, roof shingles, small appliances, railroad ties, scrap metal, and drums.

YAEC has evaluated and removed the identified debris. Upon completion of removal actions, soil samples were collected in areas where OHM were suspected.

3.2.3 *Conclusions*

The assessment of the Rowe Parcel revealed no evidence of recognized environmental conditions except for the following:

- Potential radiological impacts associated with the Furlon House, Furlon House Parking Area, and West Parking Area, which were surveyed during the FSS to ensure compliance with the LTP, with no issues identified; and

- 15 waste disposal areas identified during the site walkover, all of which have been evaluated by YAEC and some of which were inspected by Department personnel during the June 2006 site visit. Based upon these investigations, two areas were selected for sampling to validate the absence of impact (see Section 4.2.2.3 for further details on sampling activities). Sample results indicated no further actions are required.

3.3 *MONROE PARCEL*

3.3.1 *Findings*

The following is a summary of the findings for the Monroe Parcel:

- The Monroe Parcel is approximately 89 acres of land located in Monroe, Massachusetts.

- The only documented current or past activity on the Monroe Parcel is logging. A portion of the parcel consists of old growth forest.

- The western boundary of the Monroe Parcel is Phelps Brook, which is designated as a surface water supply for the Town of Monroe.
- There was no evidence of past or current disposal activities on the Monroe Parcel based on a review of available aerial photographs, site walkovers conducted as part of the archeological and natural resources surveys, and interviews conducted as part of the Phase I.
- The Monroe Parcel has been classified as a non-impacted area with respect to potential radiological impacts associated with the former YNPS.
- No potential off-site sources of impact to the Monroe Parcel were identified.

3.3.2 *Site Walkover*

One area was identified during the Phase I walkover on the Monroe Parcel that warranted further evaluation and/or removal of small quantities of debris. The area was located in the vicinity of an old homestead in the northwest portion of the Monroe Parcel. Debris and trash, including glass, roofing shingles, wire, cable, enamel pots, glass and metal were observed. A 5-gallon can labeled as "Mobil Oil" was observed in the area.

YAEC has evaluated this area and has determined that no additional actions are required.

3.3.3 *Conclusions*

The assessment of the Monroe Parcel revealed no evidence of recognized environmental conditions except for the following:

- One waste disposal area identified during the site walkover has been evaluated by YAEC. Based upon these investigations, no further actions are required.

4.0 SUMMARY OF THE NATURE & EXTENT OF CONTAMINATION

4.1 OVERVIEW

This section provides a summary of the nature and extent of impact identified from radionuclides and OHM in the environment by media, i.e., soil, groundwater, sediment, surface water and fish. This summary is based on the results of past and ongoing investigations focusing on results generated since filing of the Phase II Report in January 2005. Once decommissioning, remedial and restoration actions are complete, an assessment of the level of risk to human health and the environment posed by residual impacts will be completed to support closure and restrictions on future use of the site.

4.2 SOIL

4.2.1 Radiological

Soil samples were collected in accordance with the FSS QAPP and approved procedures. These samples were routinely analyzed for tritium and gamma-emitting radionuclides. In addition, at least five percent of the samples underwent analysis for hard-to-detect radionuclides.

Table 4 provides the results for the FSS surface samples (top 6 inches of soil) collected in the area covered by the Beneficial Use Determination (BUD) prior to backfilling activities. This area encompasses the locations of major excavations, such as the SFP/IX Pit excavation, as well as minor excavations resulting from remediation and regrading. Subsurface samples addressing depths to three meters are currently being collected in a portion of the Industrial Area and are being analyzed as a part of ongoing FSS activities. The results of these analyses will be provided to the DEP as a part of the FSS report for the associated survey area.

During the data assessment phase of the FSS, the data are evaluated to determine whether the survey area has met the LTP criteria. Part of this assessment is a comparison of the radiological results for the samples against the DCGL. The DCGLs used for FSS at YNPS are included in the following table.

Radionuclide	Soil DCGL (pCi/g)
H-3	1.3E+02
C-14	1.9E+00
Fe-55	1.0E+04
Co-60	1.4E+00
Ni-63	2.8E+02
Sr-90	6.0E-01
Nb-94	2.5E+00
Tc-99	4.8E+00
Ag-108m	2.5E+00
Sb-125	1.1E+01
Cs-134	1.7E+00
Cs-137	3.0E+00
Eu-152	3.5E+00
Eu-154	3.3E+00
Eu-155	1.4E+02
Pu-238	1.1E+01
Pu-239/240	1.0E+01
Pu-241	3.4E+02
Am-241	1.0E+01
Cm-243/244	1.1E+01

Other evaluations are required if limits (either individual radionuclide or sum-of-fractions) are exceeded. The FSS reports for the individual survey units, which are being submitted to the Department under separate cover, may be referenced for this data review and interpretation.

4.2.2 *Oil and/or Hazardous Materials*

4.2.2.1 *Background Areas*

Eight additional background soil samples were collected to supplement the 2004 background soil dataset. Background soil sample results are presented in Table 5-1 and locations are shown on Figure 4A. None of the background samples exhibited OHM at levels exceeding Reportable Concentration S-1 (RCS-1) Standards.

4.2.2.2 *Industrial Area*

The following provides a summary of the investigation and remediation activities conducted in the Industrial Area at the site between January 2005 and August 2006:

- Baffle Tank Area - Discolored soils were noted during installation of a baffle tank in 2005. Two borings were advanced and soil samples were collected to investigate visual observations made during the installation of the baffle tank. The sample results are presented in Table 5-2 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. No issues were noted during removal of the baffle tank. Confirmatory samples taken at that time also were below RCS-1 standards. Therefore, no further action is planned.

- Bulldozer Spill Area – On 27 June 2006, approximate five gallons of hydraulic fluid was released when a hydraulic seal broke on a bulldozer. Approximately 9 cubic yards of soil were excavated and shipped off-site for disposal. The limit of excavation was inspected, and one composite sample was collected for EPH. The sample results are presented in Table 5-3 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Dioxin Area - Prior sampling indicated that dioxins were present above the RCS-1 Standards. In September 2005, approximately 300 cubic yards of soil were excavated. Five confirmatory samples were collected from the limits of the excavation. The sample results are presented in Table 5-4 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Firewater Pumphouse Drywell Area - A drywell associated with the firewater pumphouse was investigated in compliance with Underground Injection Control (UIC) program requirements. Approximately 25 cubic yards of soil were excavated in September 2005 and April 2006. Five samples were collected from the limits of the excavation. The sample results are presented in Table 5-5 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Firewater Tank (Tank 55) Area – During the decommissioning of the Firewater Tank, petroleum impacts were observed and

approximately 220 cubic yards of soil were excavated and treated on-site in the thermal desorption unit. Six soil samples were collected in September 2005 at the limits of the excavation. The results at two of the locations exceeded the RCS-1 Standards for EPH. In November 2005, approximately 55 cubic yards of impacted material were excavated and shipped off-site. Three confirmatory soil samples were collected at the limits of the excavation. The sample results are presented in Table 5-6 and the sample locations are presented in Figure 4B. All final closure results were below RCS-1 Standards. Therefore, no further action is planned.

- Fuel Oil Tank Area - Petroleum was detected in the area of a former aboveground fuel oil storage tank berm during sampling in October 2004. Approximately 180 cubic yards of soil were excavated for treatment in August 2005 and five samples were collected from the limits of the excavation. One soil sample was collected following the removal of the fuel oil pumphouse in August 2005. The fuel oil line was removed in October 2005. During the course of removal activities, less than 10 gallons of fuel oil was released from the piping onto the ground surface. The fuel oil and approximately 5 cubic yards of soil were excavated and three confirmatory samples were collected along the length of the fuel line excavation. One additional soil sample was collected in December 2005 in response to visual observation of discolored soils near the former fuel line. The sample results are presented in Table 5-7 and the sample locations are presented in Figure 4B. $C_{11} - C_{22}$ aromatics were detected in three soil samples slightly above RCS-1 Standard. However, the average concentration was below the RCS-1 Standards. Therefore, no further action is planned.

- Fuel Spill 164 Area – During Spring 2005, a small petroleum spill was observed to the south of the former Turbine Building. Approximately 2 cubic yards of soil were excavated in February 2006 and closure samples were collected for VPH. A sample was collected for EPH in March 2006. The sample results are presented in Table 5-8 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Old Shooting Range - Sampling in October 2003 indicated the presence of lead above RCS-1 Standards. In July 2005, a total of 80 cubic yards of soil were removed during two rounds of soil excavation. A total of 12 composite samples were collected during the course of remediation. The samples results are presented in

Table 5-9 and the sample locations are presented in Figure 4B. All the final lead results were below RCS-1 Standards. PCBs were detected in closure samples above the RCS-1 Standards, but below the PCB cleanup goal for the area (25,000 ug/kg). Therefore, no further action is planned.

- Peninsula Sand Blast Grit Area - During the excavation of utilities on the peninsula during Fall 2005, sand blast grit was observed and found to contain lead. Excavation activities were conducted in November 2005 and again in June and July 2006 to excavate impacted soil. Approximately 430 cubic yards of soil were removed and confirmatory samples were collected at 120 locations. The samples results are presented in Table 5-10 and the sample locations are presented in Figure 4B. Residual concentrations of lead were below the RCS-1 Standard. Therefore, no further action is planned.

- Potable Water Tank Area - In May 2006, soil samples were collected from beneath the administration building potable water tank for EPH and VPH deluxe to investigate for a possible layer of petroleum-impacted sand. The sample results are presented in Table 5-11 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Railroad Ties Area - From June through September 2005, eight soil samples, including one duplicate, were collected from excavation areas where railroad ties had been buried. Samples were analyzed for SVOCs. The sample results are presented in Table 5-12 and the sample locations are presented in Figure 4B. Benzo(a)pyrene was detected above the RCS-1 Standard in two samples. However, the samples were collected from within the footprint of the proposed deed restriction; therefore, no further action is planned.

- Railroad Tracks Area - Sample results from October 2003 and July 2004 indicated polycyclic aromatic hydrocarbons (PAHs) were present above RCS-1 Standards in proximity to a former railroad line. Seven additional borings were advanced between January and June 2005 to evaluate the nature of impact. In June 2006, two soil borings and one test pit were advanced to further determine the nature of the impact. The sample results are presented in Table 5-13 and the sample locations are presented in Figure 4B. A variety of PAHs were detected above the RCS-1 Standards. However, the PAHs appeared to be associated with creosote railroad ties from

the former abandoned railroad bed and the underlying fill material. The PAHs did not appear to be associated with a site-related release condition. Therefore, the PAHs will be evaluated in the risk assessment, and no further investigation is planned.

- South Yard Sand Blast Grit Area - During removal of the south road, sand blast grit was observed and sampled for metals and PCBs. Analytical results for the sand blast grit indicated that lead and cadmium exceeded the RCS-1 Standard while PCBs were below the clean-up goal of 1,000 ug/kg. Exploratory test pits were excavated to determine approximate limits of the impact area; while testing was conducted, these data were ultimately replaced with sidewall confirmation testing. During removal activities, petroleum impacts were also observed and EPH was detected above the RCS-1 Standard in one area. In July 2006, approximately 180 cubic yards of material were excavated and shipped off-site and 42 samples were collected from the limits of the excavation. The sample results are presented in Table 5-14 and the sample locations are presented in Figure 4B. All closure results were below the RCS-1 Standards for lead and EPH. Therefore, no further action is planned.

- Turbine Building Office Area - During excavation activities associated with the Sherman Dam extension in August 2006, a gray soil with petroleum odors was observed. Field observations and screening indicated possible petroleum impacts. Approximately 265 cubic yards of soil were excavated and shipped off-site for disposal. Ten samples were collected from the limits of the excavation. The sample results are presented in Table 5-15 and the sample locations are presented in Figure 4B. All closure results were below the method detection limits for EPH. Therefore, no further action is planned.

- Warehouse Garage Area - In April 2005, three samples were collected near the former Warehouse Garage to evaluate potential soil impacts in the vicinity of where the floor drain system exited the building. Samples were analyzed for VPH/EPH, PCBs and PP13 metals. The sample results are presented in Table 5-16 and the sample locations are presented in Figure 4B. All results were below RCS-1 Standards. Therefore, no further action is planned.

4.2.2.3 *Non-Industrial Area*

The following provides a summary of the investigation and remediation activities conducted in the Non-Industrial Area of the site between January 2005 and August 2006:

- ABC Lot Concrete Blocks Area – Sampling was conducted in October 2005 after removal of painted concrete blocks to evaluate potential for PCB-containing paint to impact soil. Six sample locations were targeted. The samples results are presented in Table 5-17 and the sample locations are presented in Figure 4A. All results were below the clean-up goal of 1,000 ug/kg. Therefore, no further action is planned.

- Concrete Block Forming Area – An area where concrete blocks were formed and painted during construction of the plant was evaluated for potential residual paint chips containing PCBs. Eight soil borings were advanced in January 2005 and samples were collected to a depth of 10 feet below grade. The samples results are presented in Table 5-18 and the sample locations are presented in Figure 4A. All results were below the clean-up goal of 1,000 ug/kg. Therefore, no further action is planned.

- Drum in Woods - A drum was discovered in the woods near the Industrial Area during decommissioning. The drum was removed and soil removal activities were conducted in 2004. VPH was detected in the 2004 confirmatory sample above the screening criteria. In 2005, less than 1 cubic yard of soil was manually excavated from the area and sampling was performed at the limits of the excavation to evaluate potential residual impacts. The sample results are presented in Table 5-19 and the sample locations are presented in Figure 4A. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Furlon House Basement - A release of a small quantity of fuel oil (less than 10 gallons) occurred during the removal of a household fuel oil tank (above ground in the basement) in April 2006. Soil excavation activities were conducted. Approximately 15 cubic yards of soil were excavated from inside the basement and 25 cubic yards were excavated outside, adjacent to the foundation wall. The samples results are presented in Table 5-20 and the sample locations are presented in Figure 4A. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Furlon House Parking Area - Prior sampling in October 2003 indicated the potential for petroleum in soil above RCs based on a Diesel Range Organics (DRO) analysis and observation of a dark layer of soil beneath the parking lot at the Furlon House. Four additional borings were advanced in the Furlon House Parking area in January 2005 and samples were collected for EPH and VPH. The samples results are presented in Table 5-21 and the sample locations are presented in Figure 4A. All results were below RCS-1 Standards. Historic exceedances of RCs for DRO were not reproducible. Two additional borings (SB-156R and SB-156RS) were advanced in April 2006 and field observations indicated that historic readings were attributed to organics (peat) observed in borings. Therefore, no further action is planned.

- Hair Pin Turn Area - Lead was detected above RCS-1 Standards during sampling in October 2003. A shallow test pit was advanced to investigate the anomalous lead results in June 2006. Samples were taken from the limits of the test pit. In addition, test pits were advanced for visual observations at four other locations in the area where debris associated with the historic disposal area during Dam #4 repairs was placed. A sample was collected from one of these pits for laboratory analysis. The samples results are presented in Table 5-22 and the sample locations are presented in Figure 4A. All results were below RCS-1 Standards. The historic lead sampling result was not reproducible and is considered to be anomalous. Therefore, no further action is planned.

- Mid-Lot West Debris Pile Area – Sampling of painted blocks from a debris pile at the west end of the Mid-Lot indicated the presence of PCB-containing paint. After the removal and off-site disposal of approximately 135 cubic yards of soil material in May 2006, four soil samples were collected from the limits of the disturbed area. The samples results are presented in Table 5-23 and the sample locations are presented in Figure 4A. All results were below the PCB clean-up goal of 1,000 ug/kg. Therefore, no further action is planned.

- Painted Concrete Blocks along Deerfield River – Removal of concrete blocks with PCB-containing paint along the Deerfield River was conducted in November 2005 and August 2006. After removal of the painted blocks and shallow underlying soils, seven closure samples were collected. The post-removal closure sample results are presented in Table 5-24 and the sample locations are

presented in Figure 4A. All results were below the PCB clean-up goal of 1,000 ug/kg. Therefore, no further action is planned.

- Relic Dumps - As described in Section 3.2.2. a site walkover of the non-industrial area was performed to identify historic land use of concern. Five areas described as relic dumps were reported as well as a logging yard and a few areas along Monroe Hill Road where minor amounts of trash disposal were observed. Yankee inspected each area and in a few areas removed waste items that posed potential environmental threats, such as old oil filters, empty oil jugs, and two rusted steel drums. Samples were collected under the drums and in an area where a significant collection of empty oil containers was found. The sample results are presented on Table 5-25 and the sample locations are shown on Figure 4A. All results were below RCS-1 Standards. Therefore, no further action is planned.

- Septic System - From January to July 2005, 13 borings were advanced to evaluate potential releases associated with septic system/leachfields. The sample results are presented in Table 5-26 and the sample locations are presented in Figure 4A. With the exception of benzo(a)pyrene at one location, all results were below RCS-1 Standards. The source of the PAHs was attributed to vehicle emissions since the area is actively used for parking. Therefore, the PAHs will be evaluated in the risk assessment, and no further investigation is planned.

- Snow Piles Area - From June to July 2005, areas where snow piles had been placed during winter road clearance were evaluated for potential residual paint chips containing PCBs. A total of 42 samples were collected in six areas at the site. The samples results are presented in Table 5-27 and the sample locations are presented in Figure 4A. All results were below the clean-up goal of 1,000 ug/kg. Therefore, no further action is planned.

4.3 *SOIL GAS*

A passive soil gas survey was performed between 20 April and 7 June 2005 at six locations using Goresorber devices. The sampling locations are shown in Figure 4B and the sample results are summarized below:

	SG001	SG002	SG003	SG005	SG008	SG013
1,1,1-trichloroethane	0.86	0.04	0.3	0.23	0.88	0.8
Chloroform	0.04	0.2	<0.03	<0.03	0.05	<0.03
Tetrachloroethene	0.21	<0.03	0.04	<0.03	0.11	<0.03

Note: Soil gas results are in units of micrograms

The soil gas survey results indicated the potential presence of residual solvents under the former Service Building and Turbine Building foundations. 1,1,1-Trichloroethane (TCA) was detected in all six samples, tetrachloroethene (PCE) was detected in three samples, and chloroform was detected in three samples. The passive soil gas results only indicate relative concentrations and are not comparable to regulatory standards. The detection of TCA, PCE, and chloroform will be further evaluated by the installation and sampling of newly installed monitoring well MW-112A.

4.4 *GROUNDWATER*

4.4.1 *Updated Site Conceptual Model*

The results of subsurface investigations were used in the development of a Site Conceptual Model (SCM) that summarizes the site geology and hydrogeology. The SCM describes the site as being comprised of the following four hydrogeologic units:

- Glaciofluvial - a relatively permeable sand/stratified drift ranging in thickness from zero to 40 feet that contains the water table at depths ranging from 4 to 20 feet below ground surface in the central portion of the Site.

- Upper Till - a relatively impermeable mix of sand, silt and clay that is very dense and compact underlying the stratified drift. Till has been encountered from zero to 210 feet below ground surface across the site. Groundwater within this unit is confined/semi-confined to silty sand lenses that are up to a few feet in thickness and laterally discontinuous. A contour map of the top of the till unit is provided in Figure 6A.

- Lower Till/Glaciolacustrine - an alternating sequence of fine silt and clay that is laminated (glaciolacustrine deposits) underlying the till at a depth of 100 feet below ground surface in the northern portion of the site. A contour map of the top of the glaciolacustrine unit is provided in Figure 6B.

- Bedrock - an albite gneiss encountered at depths ranging from zero to 210 feet below ground surface. The upper surface of the bedrock appears to be moderately fractured and capable of yielding a few gallons per minute. A contour map of the top of the bedrock is provided in Figure 6C.

Groundwater contour maps were prepared for the June 2006 groundwater sampling event. The contour maps for water levels in the glaciofluvial deposits, the upper till deposits, the lower till/glaciolacustrine deposits, and bedrock are presented in Figures 7A to 7D. The rate and direction of groundwater flow beneath the site varies depending on location and hydrogeologic unit, but is generally northwest to west toward the Deerfield River. The rate of flow is greatest in the glacioflucial deposits. Groundwater flow in the underlying till, glaciolacustrine and bedrock is subject to both confined and semi-confined flow conditions due to the dense and laterally heterogeneous nature of these units. Flow in these units is estimated to be substantially slower than the glaciolfuvial deposits, but is generally toward the Deerfield River. The Deerfield River is estimated to represent the western, down-gradient extent of groundwater flow, which eventually discharges to surface water.

4.4.2 *Radiological Impacts to Site Groundwater*

Tritium

A significant source of tritium for groundwater at the site was the former SFP and IX Pit. Two significant historical release events were identified during the Historical Site Assessment. The first event involved leakage from the IX Pit as a result of an operator failing to close the fill valve, after filling the IX Pit to its normal operating level. Water continued to flow into the pit from the Primary Water Storage Tank by gravity feed and subsequently seeped through the blacktop on the west side of the pit, at which time the operator noticed the water, diagnosed the cause, and closed the valve. The second event involved a leak at the construction joint at the common wall between the SFP and the IX Pit. Information indicates that the leak existed for about one year before it was successfully repaired in 1965. Additionally, YAEC believes the SFP leaked periodically before a steel liner was installed in 1979, based upon cracks observed in

the pit's walls; however, the amount of leakage is estimated to be minimal based on water level records and make-up rates.

The tritium results for groundwater samples collected between November 2005 and August 2006 are presented in Table 6 and the sample locations are shown in Figure 5. A tritium plume has been identified in the shallow glaciofluvial deposits originating from beneath the former footprint of the plant and extending northwest/west toward the Deerfield River. The highest concentrations of tritium detected in this shallow plume are 16,900 pCi/L (based on April 2006 result at MW-101A) at the plant and decreasing to 7,620 pCi/L (at MW-106A in July 2006) near the Deerfield River. Tritium levels in the glaciofluvial deposits continue to be below the EPA Maximum Contaminant Level (MCL) for tritium in drinking water of 20,000 pCi/L.

Tritium has been confirmed at a concentration above the EPA MCL in only one monitoring well location, MW-107C, located within a sand lens in the till just below the outwash. The highest level of tritium detected at MW-107C was 48,000 pCi/L in September 2003 and has decreased to 34,700 pCi/L (August 2006). Detected impacts at all other wells remain below the EPA MCL. The concentration of tritium is expected to continue to decrease via dilution, dispersion and radioactive decay (the half-life of tritium is approximately 12 years).

The distribution of tritium in the shallow stratified drift is consistent with the advective flow of groundwater down-gradient to the northwest/west of the plant. Concentrations tend to decrease down-gradient due to dilution and dispersion with increasing distance from the plant. Tritium in the underlying till is limited to confined/semi-confined sand lenses that appear to be laterally discontinuous, thereby limiting down-gradient transport, dilution or dispersion and resulting in concentrations remaining above the EPA MCL at one monitoring point (MW-107C). The laterally discontinuous, disconnected nature of these lenses within very tight till limits dilution or dispersion resulting in minimal dilution of tritium over time. While groundwater within these lenses may eventually migrate to surface water, it is likely that decay of tritium would have reduced the concentrations to negligible levels prior to discharging to surface water.

Low levels of tritium (i.e., under 5,000 pCi/L) have been identified in only one of the bedrock wells (MW-105B).

Although tritium is the only plant-related radionuclide consistently detected in the groundwater, low levels of Cs-137, Sr-90, and Co-60 have

been identified sporadically during analysis of groundwater; however, these instances were investigated and found to be caused by one of three reasons:

1. Intrusion of surface water, which had been in contact with contaminated soil, into damaged well heads or roadboxes in adjacent areas.
2. False positive detections from expected statistical variations in laboratory analyses.
3. Improper on-site laboratory practices that introduced contamination into the sample being analyzed (e.g., lab cross-contamination events).

Gross Alpha and Gross Beta

YAEC has also monitored gross alpha and gross beta activity in site groundwater. A technical report summarizing the gross alpha and gross beta data from 2004 is provided in Appendix E. As discussed in the report, the mapping of gross alpha and gross beta activity concentrations indicates that there are no consistent spatial or temporal correlations that would suggest the presence of a plume of gross alpha or gross beta activity from a plant-related source. The source of the measured gross alpha and gross beta activity in groundwater at YNPS is naturally-occurring radionuclides in the soil and bedrock (the uranium and thorium decay series).

4.4.3 *Oil and/or Hazardous Material Impacts to Groundwater*

4.4.3.1 *OHM Parameters*

Groundwater analytical results from November 2004 to present are summarized on Table 7. The results were compared to RCGW-1 standards and results above the standards are described below:

- Pentachlorophenol was detected as an estimated value in one sample from MW-108B (March 2005) above the RCGW-1 Standard. Pentachlorophenol was not detected in three subsequent sampling events. Therefore, no further sampling is planned to evaluate this issue.

- 2-Butanone (methyl ethyl ketone) was detected in MW-110C at a concentration of 1,310 ug/L and in MW-111B at a concentration of 2,320 ug/L, which exceeded the RCGW-1 Standard of 400 ug/L. The

elevated concentrations were detected in April 2006, during the first sampling round after the wells were installed. During the May/June 2006 sampling event, the highest concentration of 2-butanone in either well was 14 ug/L. These results suggest that the detection of 2-butanone was an artifact of the well installation process. Further monitoring is planned to determine whether the reported concentrations are representative of groundwater quality at those locations.

- Acetone was detected in MW-101C at a concentration of 3,400 ug/L, which exceeded the RCGW-1 Standard of 3,000 ug/L. Since 2004, MW-101C has been inaccessible and has not been sampled. Further monitoring is planned to determine whether the reported concentrations of acetone is representative of groundwater quality at this location.

- Antimony was detected in CB-3 at a concentration of 6.2 ug/L, which exceeded the RCGW-1 Standard of 6 ug/L. However, the average of the sample result with the duplicate sample from that well (2.6 ug/L) is below the RCGW-1. Therefore, no further sampling is planned to evaluate antimony at CB-3.

- Arsenic was detected in MW-101A at a concentration of 14.1 ug/L and in MW-107A at a concentration of 14.4 ug/L, which exceed the RCGW-1 standard of 10 ug/L. There is no known source for the arsenic impacts and the detections appear to be sporadic. Further monitoring is planned to determine whether the reported concentrations of arsenic are representative of groundwater quality at those locations.

- Silver was detected in MW-107A at a concentration of 7.8 ug/L, which exceeded the RCGW-1 Standard of 7 ug/L. Silver was not detected during one subsequent sampling event. As with arsenic, there is no known source for the silver impacts and the detection appears to be sporadic. Further monitoring is planned to determine whether the reported concentrations of silver are representative of groundwater quality at those locations.

Sampling results from 2003 and 2004 were also compared to RCGW-1 Standards (the Phase II Report compared groundwater results to either RCGW-1 or RCGW-2 Standards, depending on the location of the well relative to the boundaries of the Interim Wellhead Protection Area; however, based on subsequent discussions with the Department, all groundwater at the site is being considered as a potential source of drinking water and compared to RCGW-1 Standards). Therefore, a

discussion of historic results that exceeded RCGW-1 Standards is provided below.

- VPH (i.e., C_5-C_8 Aliphatics) was reported in the Phase II Report at MW-101C at a concentration of 1,830 ug/L in November 2004, which exceeded the RCGW-1 Standard of 400 ug/L. However, the data was rejected during the data validation process because the detection was attributed to interference by either acetone or isopropyl alcohol. Additional sampling is planned to further evaluate this issue.

- EPH (i.e., C_{11}-C_{22} aromatics) was detected at MW-6 at a concentration of 229 ug/L in March 2004 and at MW-101B at a concentration of 408 ug/L in May 2004, which exceeded the RCGW-1 Standard of 200 ug/L. EPH was not detected during one supplemental sampling round at each well. At least two additional sampling rounds are planned to further evaluate this issue.

- 1,1-dichloroethene (DCE) was detected in MW-105C at a concentration of 2.6 ug/L in November 2004, which exceeded the pre-April 2006 RCGW-1 Standard of 1 ug/L. Although the RCGW-1 Standard was changed to 7 ug/L in April 2006, additional sampling is planned based on the prior exceedance of the RCGW-1 Standard.

- Pentachlorophenol was detected in three wells (MW-109B, MW-109C, and MW-109D) at concentrations ranging from 2.1 to 14 ug/L in September 2004, which exceeded the RCGW-1 Standard of 1 ug/L. Additional sampling is planned to further evaluate this issue.

- Bis (2-ethylhexyl) phthalate (DEHP) was detected at MW-108B at a concentration of 36 ug/L in September 2004, which exceeded the RCGW-1 Standard of 6 ug/L. DEHP was also detected in the associated blank. DEHP was not detected during sampling in March 2005, November 2004 and May 2006. Therefore, no further sampling is planned.

- DEHP was detected at CW-10 at a concentration of 12 ug/L in July 2003, which exceeded the RCGW-1 Standard of 6 ug/L. DEHP was not detected during one subsequent sampling round. At least two additional sampling rounds are planned to further evaluate this issue.

- DEHP was detected at MW-105B at a concentration of 7.9 ug/L in September 2003, which exceeded the RCGW-1 Standard of 6 ug/L. DEHP was not detected during one subsequent sampling round. At

least two additional sampling rounds are planned to further evaluate this issue.

- PCBs were detected at MW-107D at a concentration of 0.45 ug/L (filtered) in August 2004 and at MW-107B at a concentration of 0.38 ug/L (total) in April 2004, which exceeded the RCGW-1 Standard of 0.3 ug/L. At that time, the detection was attributed to the presence of particulate paint chips. PCBs were not detected during sampling in November 2004 and April 2006. Therefore, no further sampling is planned to evaluate that issue.

- PCBs were detected in MW-5 above RCGW-1 Standard prior to being closed in November 2004. The historic detections of PCBs at MW-5 were generally attributed to the presence of particulate paint chips in the well. YAEC intends to utilize MW-110A as a replacement well for MW-5 and to monitor PCB concentrations at that location.

4.4.3.2 *Water Supply Wells*

YAEC currently has one water supply well. The Facility Water Supply well is located in the undeveloped portion of the site and is located hydraulically up-gradient of all known sources. The water supply well for the Furlon House (Visitor's Center) is currently being abandoned, as the Visitor's Center was demolished in July 2006.

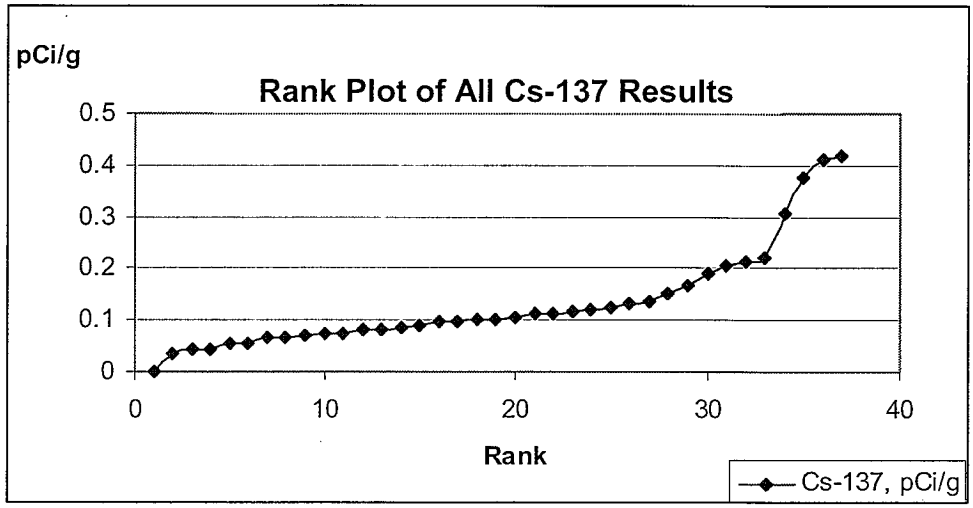
In 2005 and 2006, no compounds were detected above applicable RCs for either the Facility Water Supply Well or the Visitor Center Water Supply Well (Table 7).

4.5 *SEDIMENT*

4.5.1 *Radiological*

The Sherman Reservoir has been used as a source of cooling water and discharge (including stormwater discharge) for YNPS. These uses resulted in the introduction of small amounts of plant-related radioactivity into the reservoir and subsequently into the sediments.

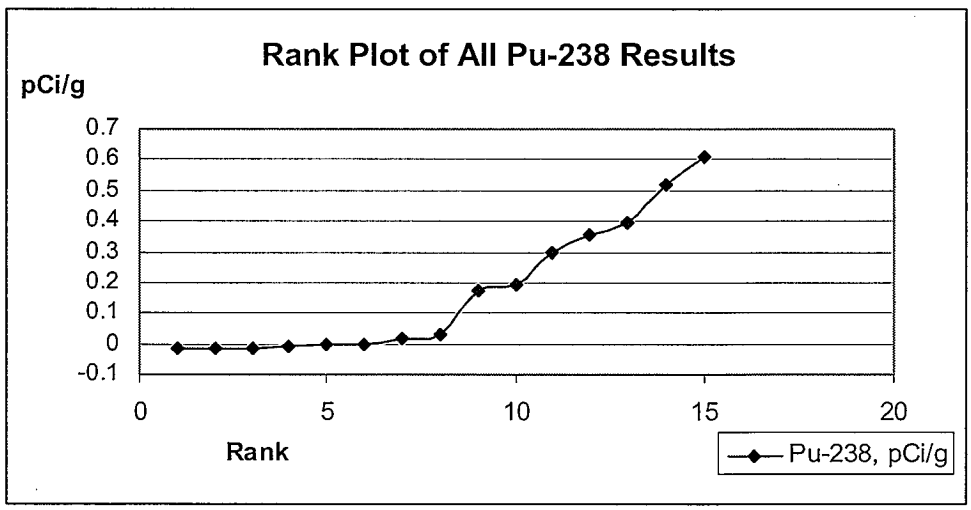
The sediment sample results are presented in Table 8-1 (upstream) and 8-2 (downstream) and sample locations are shown in Figures 8A, 8B and 8C. Gamma spectrometric results for the sediment samples had Cs-137 concentrations above their respective MDC values for all but three samples. The plot of these results is shown below.



A clear background distribution of results is seen between 0.0 and 0.22 pCi/g. Background levels of Cs-137 are expected as a result of fallout due to nuclear testing. The four samples that had values greater than this concentration were: SD-227 (0.412 pCi/g), SD-231 (0.375 pCi/g), SD-233 (0.418 pCi/g), SD-234 (0.307 pCi/g). These samples were all collected in the Deerfield River. Several other naturally-occurring radionuclides, such as those from the Ra-226 decay series (alpha, beta and gamma emitting radionuclides) and K-40, were also found in these samples.

Tritium analysis for sediment samples identified no positive results.

Analysis of hard-to-detect radionuclides resulted in some values for Pu-238 that were above the critical level. The distribution of these results is seen in the following graph:



The plot has a clear break point for background distribution at approximately 0.02 pCi/g. The two samples between 0.02 and 0.3 pCi/g did not have values that exceeded their sample specific critical levels. The samples with positive values were: SD-304R (0.3 pCi/g), SD-420 (0.39 pCi/g), SD-222 (0.519 pCi/g), SD-FD003 (0.354 pCi/g), and SD-409 (0.611 pCi/g).

The mean of these values is statistically different from that of the remainder of the data set; however, based upon the following conditions, these positive Pu-238 detects are believed to be invalid:

1. SD-FD003 is the field duplicate sample for SD-407. Sample SD-407 had no detectable transuranic radionuclides (this sample was analyzed twice and in both instance the transuranic concentration was not detectable).

2. Other radionuclides (fission products, transuranic and gamma emitters) would be identified as being present, if Pu-238 was actually present in samples.

Additional evaluations of these results are ongoing to further investigate these indications of the presence of Pu-238.

Pu-239/240 in sample SD-222 (0.29 pCi/g) was above its critical level (0.24 pCi/g), and SD-252 had Sr-90 and Tc-99 at their critical levels. Based on the remainder of the sample results for these radionuclides it appears that these three results are part of the background distribution of measurements made at the laboratory for these radionuclides.

4.5.2 *Oil and/or Hazardous Materials*

Sediment sample results are presented in Table 9 and sample locations are shown in Figures 8A, 8B and 8C. Sediment sampling results for Sherman Reservoir, West Storm Drain, Deerfield River, and Wheeler Brook were compared to background sediment results (the background data set includes samples collected in November 2002, August 2003 and June 2006). As shown in Table 10, summary statistics for the sediment results from the site were compared to background. Results were then compared to screening values defined in the Ecological Risk Assessment Work Plan. A summary of the values that exceeded background (based on comparison of median and maximum values) and the screening value is provided below:

- Acetone and a variety of PAHs, including anthracene, benzo(a) pyrene, fluorine, phenanthrene and pyrene, were detected in the background sediment samples above screening values.

- PAHs, including benzo(a)anthracene, benzo(a)fluoranthene, chrysene, fluoranthene, pyrene, and naphthalene, were detected in three sampling locations near the cooling water discharge structure at concentrations exceeding background and above the screening criteria. The PAH results will be further evaluated in the risk assessment.

- PCBs were detected in two sample locations in Sherman Reservoir above the screening value of 60 ug/kg. PCBs were detected at SD-008R at a concentration of 770 ug/kg; however, PCBs were non-detect in the associated duplicate sample. A second sample was collected from that location and PCBs were detected at a concentration of 1,911 ug/kg. Sample location SD-008 was re-occupied and four additional samples were collected to further evaluate the result. All results were non-detect in the subsequent samples. PCBs were detected at SD-012R at a concentration of 2,582 ug/kg. The sample location was re-occupied and four additional samples were collected to further evaluate the result. The maximum detected PCB concentration during the resampling was 663.5 ug/kg. The PCB results will be further evaluated in the risk characterization.

- Arsenic was detected at SD-056 (in Sherman Reservoir near discharge structure) at a concentration of 17.2 mg/kg and at SD-220 (along the seep line of Sherman Spring) at a concentration of 24.5 mg/kg, which exceeded the screening value of 9.79 mg/kg. The arsenic results will be further evaluated in the risk characterization.

- Cadmium was detected at SD-057 (in Sherman Reservoir near discharge structure) at a concentration of 6.22 mg/kg, which exceeded the screening value of 5 mg/kg. The cadmium results will be further evaluated in the risk characterization.

- Copper was detected in seven samples collected in Sherman Reservoir near the discharge structure at concentrations above the screening value of 150 mg/kg. The maximum copper concentration was 282 mg/kg at SD-008. The copper results will be further evaluated in the risk characterization.

- Mercury was detected in seven samples collected in Sherman Reservoir near the discharge structure and in one sample along the seep line of Sherman Spring at concentrations above the screening

value of 0.18 mg/kg. The maximum mercury concentration was 1.11 mg/kg at SD-056. The mercury results will be further evaluated in the risk characterization.

- Nickel was detected at SD-057 at a concentration of 54.1 mg/kg, which exceeded the screening value of 49 mg/kg. The nickel results will be further evaluated in the risk characterization.

- Zinc was detected at SD-057 at a concentration of 479 mg/kg, which exceeded the screening value of 460 mg/kg. The zinc results will be further evaluated in the risk characterization.

As shown in Table 10, screening values were not available for all OHM in sediment. For a number of compounds, the site maximum and/or median value exceeded the background data site maximum and/or median. The following compounds, which fall into this category, will be evaluated in the risk characterization:

- C_5-C_8 Aliphatics
- C_9-C_{10} Aromatics
- C_9-C_{12} Aliphatics
- Xylenes
- Methyl-t-butyl ether
- 2,6-Dinitrotoluene
- 2,4-Methylphenol
- Beryllium
- Boron
- Lithium
- Thallium

4.5.3 *Total Uranium*

Sediment samples underwent analysis for total uranium in response to the DEP's request, and a comparison between those results and established literature values for total uranium in background was made.

Sediment samples from 43 locations in the vicinity of the YNPS were collected and analyzed for total uranium content. Duplicate samples were also collected from selected sites, and some samples were analyzed more than once, yielding duplicate results. In comparing the uranium results to available ambient data, duplicate results were excluded. Seventeen of the YNPS results were detected above the Method Detection Level (MDL). The rest of the results were reported at concentrations at the MDL. The YNPS data are used in this comparison as reported, and are shown in Table 9.

The average concentration of natural uranium in soil given by the International Atomic Energy Agency (IAEA) [IAEA, 2006] is about 2 mg/kg of soil. Background levels of natural uranium in sediments, used for this comparison, were obtained from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance Program (HSSR), via the National Geochemical Database (NGD) [Smith, S.M., 1997]. The NURE program was initiated in 1973 with a primary goal of identifying uranium resources in the United States. The Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) program (initiated in 1975) was one component of the NURE. Planned systematic sampling of the entire United States began in 1976 under the responsibility of four Department of Energy National Laboratories: Lawrence Livermore Laboratory, Los Alamos Scientific Laboratory, Oak Ridge Gaseous Diffusion Plant, and Savannah River Laboratory (SRL). SRL, located in South Carolina, was initially assigned 25 states in the eastern United States. SRL collected about 400,000 water and sediment samples. A portion of these samples was sent to subcontractor laboratories for supplemental analyses.

The data selected for use in this comparison consisted of sediment samples obtained in Franklin County, MA. The NGD contains 142 results for uranium measured by delayed neutron analysis and 138 supplemental results analyzed by unspecified methods. Eleven samples were collected in the town of Rowe. Exact sampling locations can be reviewed by accessing the referenced IAEA website.

The following table presents the minimum, mean, and maximum values for each data set along with the standard deviation in the mean value.

Data Set	Region	No. of Data Points	Min.	Max.	Mean	STD (Mean)
YNPS	N/A	43	1.07	7.18	2.24	1.42
NGD: Delayed Neutron Analysis	Franklin County	142	1.00	112.60	4.14	9.65
NGD: Alternate Analysis	Franklin County	138	-0.10	16.60	2.67	2.19
NGD: Delayed Neutron Analysis	Rowe Only	11	1.70	4.80	2.98	1.02
NGD: Alternate Analysis	Rowe Only	11	-0.10	13.40	2.85	3.65

Note: Results are in units of mg/kg

It should be noted that the mean value for the sediments collected by YNPS is less than the mean value obtained from any other data set. Also of note is the fact that the maximum value associated with the YNPS data set (not detected above the MDL, see Table 9) is also lower than the maximum value from three of the four NGD data sets. Based on this data, uranium in sediments collected in the vicinity of YNPS is not elevated compared to those areas not impacted by plant operation.

4.6 *SURFACE WATER*

4.6.1 *Radiological*

Sample location for surface water were co-located with sediment sample locations (see Figure 8A, 8B and 8C) and were analyzed for tritium and gamma-emitting radionuclides. The results are listed in Table 11. The presence of some naturally-occurring radionuclides was detected in the surface waters of the reservoirs and the Deerfield River; however, no tritium was detected.

Tritium was detected in Sherman Spring and the West Storm Drain.

4.6.2 *Oil and/or Hazardous Materials*

Surface water sample OHM results are presented in Table 12 and the sampling locations are shown in Figures 8A, 8B and 8C. Cadmium was the only OHM detected in surface water above the screening values. The

concentration of cadmium was above the screening value in a sample at Sherman Spring and in three samples collected from the Deerfield River, downstream of Sherman Dam. It should be noted that the detection limit for several of the samples, including the background samples, were approximately 10 times higher than the screening value. Cadmium will be further evaluated in the risk assessment.

As with sediment, screening values were not available for all OHM in surface water (see Table 13). For a number of compounds without screening values, the site maximum and/or median value exceeded the background data site maximum and/or median. The following compounds, which fall into this category, will be evaluated in the risk characterization:

- Adjusted TPH
- C_9-C_{12} Aliphatics
- Xylenes
- Methyl-t-butyl ether
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Benzene
- Carbon disulfide
- Ethylbenzene
- t-Amyl methyl ether
- 1-Methylnaphthalene
- Lithium

4.7 FISH

4.7.1 Radiological Assessment

Radiological assessments of fish in Sherman Reservoir and the Deerfield River and at a control location, Harriman Reservoir, were performed for Phase II. Samples were prepared for analysis by boning and using only the flesh for analysis. Results of the analyses performed are provided in Table 14. The results of gamma spectrometry analysis had no detectable gamma emitting radionuclides in the fish samples except naturally occurring K-40. Tritium analysis for Harriman and Sherman Reservoir fish samples had concentrations of 0.173 and 0.504 pCi/g, respectively. The critical level for these results was 0.119 and 0.155 pCi/g, respectively. Tritium concentration in the Deerfield River fish was not detectable. Based upon the lack of detection of tritium in surface water and sediments, YAEC has concluded that the identification of tritium above the critical level in fish samples is due to naturally occurring variations and not plant operations.

4.7.2 *OHM Assessment*

As requested in the Phase II Approval Letter, this report includes a summary of the PCB analytical data from the fish sampling performed in November 2002. Fish were collected from three locations: near YAEC's East Storm Drain Outfall, at the northern end of Sherman Reservoir and a reference/background location in Harriman Reservoir. Yellow Perch (*Perca flavescens*) and White Sucker (*Catostomus commersoni*) were collected at all three locations.

Samples were analyzed for PCB Aroclors by Severn Trent Laboratories using EPA Method 8082 (see Table 15). Congener analyses of selected fish tissue were performed by the Geochemical & Environmental Research Group (GERG) at Texas A&M University using high-resolution gas chromatography with a low-resolution mass spectrometer (see Table 16). A total of eight composite fish samples were analyzed, representing two species (Yellow Perch and White Sucker) from two locations in Sherman Reservoir (East Storm Drain and North Sherman Reservoir) and a reference location in Harriman Reservoir. Aroclor results were presented in the PCB Phase II Report (ERM, 2003) and congener results were presented in the PCB Phase IV Report (ERM, 2004).

PCBs (both Aroclor 1254 and Aroclor 1260) were detected in some of the fish samples collected near the East Storm Drain Outfall. Three of the four fish samples taken from the east storm drain area contained Aroclor 1254 at concentrations ranging from 0.010 mg/kg to 0.067 mg/kg. Aroclor 1260 was also present in one fish sample at a concentration of 0.017 mg/kg. Of the six fish samples taken from the northern end of Sherman Pond, PCBs were detected in one sample at a concentration of 0.012 mg/kg (Aroclor 1260). PCBs were not detected in the six Harriman Reservoir samples collected to evaluate regional background concentrations.

The only significant change in total PCB results from the GERG method compared with the Aroclor analysis was the reported detection of PCBs by GERG in samples previously reported as non-detect, and reflects the greater sensitivity of the congener analytical method. The congener analysis demonstrates that PCBs occur in background samples in the range of 0.001 to 0.010 mg/kg. Overall, the congener results did not deviate significantly from the Aroclor results in the quantitative estimation for total PCB concentrations in fish tissue.

The observed congener composition of PCBs in fish was consistent with the expectation that congeners with higher levels of chlorination are more persistent and more likely to bioaccumulate in fish tissues.

4.8 *HISTORIC RADIOLOGICAL MONITORING DATA*

Radiological environmental monitoring was initiated in 1958, approximately two years before YNPS began commercial power production. The Phase II Report included a summary of the Radiological Environmental Monitoring Program (REMP) data generated between 1983 to 2003.

In response to a condition of the Phase II Approval Letter, the REMP data from 1958 to 1970 is provided in Appendix F. YAEC has monitored gross alpha and gross beta activity in well and surface water samples as a part of the environmental monitoring program since before plant operations began. Evaluations of gross alpha and gross beta concentration data indicate that there are no consistent spatial or temporal correlations that suggest the presence of gross alpha or gross beta activities resulting from plant operations. The source of the measured gross alpha and gross beta activity is naturally-occurring radionuclides, such as those found in the soil and bedrock. This issue is addressed in more detail in the technical report provided in Appendix E.

As described in previous sections of this report, YAEC is conducting a comprehensive environmental closure program for both radionuclides and OHM. The goal of the program is to ensure that the site poses no adverse risks to human health or the environment. YAEC will be performing a cumulative risk assessment to evaluate the combined risk from both radionuclides and OHM. The cumulative risk assessment will be conducted adhering to MADEP and USEPA guidelines for both ecological and human health risk.

The cumulative risk assessment work plans for human health and the environment were transmitted to the Department by a letter from YAEC, dated 7 September 2006. The overall goal of the cumulative risk assessment is to establish whether post-closure site conditions (*e.g.*, existing structures removed, remediation of radionuclides and OHM as necessary, and site restoration including a final soil grading plan over the former industrial area) pose a significant risk to human health or the environment. The cumulative risk assessment will evaluate only those constituents that exceed local "background" conditions. This is particularly important for naturally occurring radionuclides, inorganic constituents (*e.g.*, metals), and other OHM associated with ubiquitous anthropogenic sources. Should the cumulative risk assessment identify potential risks above risk guidelines established by MADEP and USEPA, this will serve as the basis for identifying additional remedial measures or controls to reduce these potential risks.

An extensive environmental sampling program has been conducted at the site to support the site closure and risk assessments. Groundwater, soils, sediments, and fish have been sampled. The data have been evaluated pursuant to a QAPP, and have been assembled into a site database. The cumulative risk assessment will utilize the OHM data that have been collected since 2000, which was when the first sampling and notification occurred under the MCP. Radionuclide data have been collected following NRC protocols to support the LTP. Under this program, the FSS is nearing completion. The data collected for the FSS include soil, sediment, and groundwater samples, in addition to samples of concrete and other materials. As presented in Section 4.0, additional radiological samples were collected in 2006 specifically in response to requests by the MADEP. Radionuclide data collected for the FSS, the MADEP requested

sampling, and prior data from the HSA will be used to support the cumulative risk assessments.[i] All of the OHM and radionuclide data supporting the cumulative risk assessments will be tabulated and presented on maps in the risk assessment reports.

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i In particular, data collected at background locations collected for the HSA will be used. In addition, HSA data for the industrial area may be used to augment the FSS data.

6.0 CONCLUSIONS

The conclusions of the Supplemental Phase II Comprehensive Site Assessment for YNPS are presented below:

- The sources, nature and extent of impacts to the environment at YNPS have been defined. Additional investigation activities have addressed the conditions of approval stipulated by MADEP in the Phase II Approval Letter. No new or additional impacts were identified.

- Impacted soil and sediment have been adequately remediated. A limited program of confirmatory sampling and remediation is on-going to complete the decommissioning program.

- Areas of groundwater impact that exceed applicable or suitably analogous drinking water standards will continue to be monitored until impacts naturally attenuate (via dilution, dispersion, bio-transformation, radioactive decay) below drinking water standards.

- Portions of the site where residual concentrations of OHM in subsurface soil could pose a potential future risk of harm to human health, safety or public welfare will be subject to land use restrictions (e.g., Activity & Use Limitation or similar deed restriction) that will prohibit activities and uses that could result in adverse exposure and require the maintenance of controls (e.g., soil cover, 24-hour security) to prevent adverse exposure.

- Cumulative human health and environmental risk characterizations will be prepared to confirm and document that residual impacts remaining at the site will not pose a significant risk based on the planned land use restrictions. The risk assessment will be submitted to the Department under separate cover.

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